

**Underground Storage Tank Removal,
Site Characterization, and Site Cleanup Report
19804 and 19806 Aurora Avenue North
Shoreline, Washington**

**Environmental Report Tracking System (ERTS)
#660148**

January 18, 2016

Prepared for

City of Shoreline
Shoreline, Washington



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1.0 INTRODUCTION

This underground storage tank (UST) removal, site characterization, and site cleanup report has been prepared on behalf of the City of Shoreline (City) for the Gunderson-Aurora Property located at 19804 and 19806 Aurora Avenue North in Shoreline, Washington (subject property). Work at the subject property is associated with the City's Aurora Avenue North widening project that is currently in progress. Figure 1 shows the location of the subject property. Pertinent site features, including the former UST locations, are shown on Figure 2. The UST removal, site characterization, and site cleanup activities were conducted in accordance with the scope of services submitted to the City's engineer for the project, Paul Ferrier of HDR Engineering, Inc. (HDR), on July 28, 2015. Any modifications from the original scope of work were agreed to based on subsequent conversations with HDR.

1.1 Purpose of Report

The UST removal work was conducted on behalf of the City as an independent action consistent with the requirements of the Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Cleanup Regulation [Chapter 173-340 Washington Administrative Code (WAC)], and the Ecology UST regulations (Chapter 173-360 WAC, including WAC 173-360-385). The purpose of this report is to document activities associated with the removal of six USTs from the subject property, and subsequent site assessment, characterization sampling, and cleanup activities.

1.2 Site Information

The following sections provide information pertaining to the physical, geologic, and hydrogeologic setting of the subject property.

1.2.1 Physical Setting

The subject property is approximately 0.6 acres in size, and is bordered to the west by Aurora Avenue North, to the south by North 198th Street, to the east by residential properties, and to the north by a commercial property. The subject property slopes downward to the east, with the western half of the property about level with Aurora Avenue North and the eastern half of the property approximately 10 feet (ft) lower in elevation than Aurora Avenue North. Four 2,000- to 3,000-gallon gasoline USTs, one 2,800-gallon diesel UST, and one 300-gallon waste oil UST, all of which were not in use by the current property owner, were located in the western portion of the subject property, approximately 50 ft east of Aurora Avenue North. Records documenting the installation, use, or initial decommissioning of the USTs were not available. Prior to the work associated with the Aurora Avenue North widening project, the areas surrounding the USTs were covered with asphalt. The existing buildings were demolished in 2013, prior to the UST removal work. Project work in the western half of the subject property, in addition to the UST removal, has included removal of asphalt and debris from the upper 2 ft of soil.

1.2.2 Geologic and Hydrogeologic Setting

The subject property is located on the east slope of a north-south trending ridge between Puget Sound and the north end of Lake Washington. The geology at the subject property is mapped as glacial till (Minard 1983¹) associated with the Vashon Stade of the Fraser Glaciation. During removal of the USTs, Landau Associates observed up to 10 ft of fill; the native glacial till was not observed. The fill consisted of brown, fine to coarse sand with gravel and occasional debris including brick and concrete chunks. The underlying glacial till material is typically a dense, poorly sorted mixture of clay, sand, gravel, and cobbles with occasional boulders.

Groundwater was not encountered during the UST removals. Based on topography, the general direction of shallow groundwater flow in the area of the subject property is to the east toward Echo Lake, which is located approximately 500 ft east of the subject property. Perched groundwater may also be seasonally present on top of the glacial till; as noted above, groundwater was not observed during the UST removal.

¹ Minard, J.P. 1975. *Geologic Map of the Edmonds East and Part of the Edmonds West Quadrangles, Washington*. Miscellaneous Field Studies Map MF-1541. U.S. Geological Survey.

2.0 UNDERGROUND STORAGE TANK DECOMMISSIONING AND REMOVAL

The following sections of this report describe the UST decommissioning and closure methods used at the subject property.

2.1 Site Reconnaissance

On September 1, 2015, Landau Associates, HDR (for the City), and Gary Merlino Construction (contractor) representatives conducted a reconnaissance of the subject property as part of planning for UST removal. Observed site features associated with the USTs included six concrete patches at the south end of the subject property, where at least three USTs were assumed to be present. Vertical pipes, assumed to be fill pipes, were observed in two of the concrete patches. Several inches of product (i.e., residual of the fuel previously stored in the tanks) and/or water were detected in the USTs beneath the two fill pipes. Evidence of the three additional USTs assumed to be present was not identified. Underground utilities that would prevent or affect the removal of the USTs were not observed. No evidence of a release was observed during the site reconnaissance.

2.2 Underground Storage Tank Information

The approximate locations of the six USTs prior to removal are shown on Figures 2 and 3. The USTs were located during the site reconnaissance (see above), and during asphalt removal and grading work at the site associated with the Aurora Avenue North widening project. The capacity and condition of the six USTs at the time of removal were as follows:

UST ID	Approximate Capacity (gallons)	Contents	Condition
UST-1	2,000	Gasoline	Approximately 1 inch of gasoline and 3 inches of water in the tank; tank was in good condition with no holes and no evidence of staining in surrounding soil.
UST-2	2,800	Diesel	Approximately ¼ inch of brown petroleum-like liquid and 1 inch of water in the tank; several small holes in bottom of tank and minimal brown staining on soil near holes below tank.
UST-3	2,800	Gasoline	Approximately 1 inch of water in the tank; tank was in good condition with no holes and no evidence of staining in surrounding soil.
UST-4	2,800	Gasoline	Tank filled with controlled density fill (CDF)-like material; tank was in good condition with no holes and no evidence of staining in surrounding soil.
UST-5	3,000	Gasoline	Approximately 8 inches of water in the tank (likely less, this was an estimate made after rinsing); tank was in good condition with no holes and no evidence of staining in surrounding soil
UST-6	300	Waste Oil	Approximately 2 inches of product in tank; corrosion observed at seams on the ends of tank, some dark staining of soil beneath the tank.

2.3 Notifications

Prior to removing the six USTs from the subject property, the contractor submitted a 30-Day Notice of Intent to Decommission USTs to Ecology, as required by WAC 173-360-385. A copy of this notice is provided in Appendix A.

2.4 Underground Storage Tank Closure and Removal

The City's contractor, Gary Merlino Construction Co. (Merlino), contracted with Diane's Tank Removal Services LLC (DTR) for the UST decommissioning, which included cleaning, rendering inert, and removing the USTs, removing the underground piping, and excavating and disposing of petroleum-contaminated soil (PCS), as necessary. Merlino assisted with excavation and removal of PCS, as needed.

The tank decommissioning was conducted sequentially as site demolition and grading progressed at the subject property. Landau Associates field staff, certified as UST Site Assessors, were on site during all UST decommissioning, UST removal, and follow-up excavation of PCS. UST-1, UST-2, and UST-3 were decommissioned by removal on September 28, 2015. Follow-up soil excavation and confirmation sampling associated with these USTs continued until September 30, 2015. UST-4 and UST-5 were decommissioned by removal on October 7, 2015. UST-6 was decommissioned by removal on October 16, 2015, and follow-up soil excavation and confirmation sampling continued until October 23, 2015. Piping associated with the USTs was observed and removed during the decommissioning of UST-1, -2, and -3. Piping was also observed and removed from the overburden above UST-4 and UST-5; this piping did not extend outside of the UST excavation area. No additional UST piping was observed at the subject property during UST decommissioning or site demolition or grading work. No fuel dispensers were present at the subject property. Prior to removal, all of the tanks were emptied, rendered inert, cleaned, and inspected by DTR personnel. All removed materials, including the USTs, piping, and soil, were placed on plastic sheeting to prevent any residual fuel from coming into contact with the ground surface. The USTs were removed, inspected, and placed on asphalt or plastic sheeting. The tanks were removed from the subject property on the same day they were excavated. Liquids from the tanks, including residual product and water, were removed from the subject property and disposed of by DTR. Decommissioning certificates, provided by DTR, are provided in Appendix B. Selected site photographs taken during decommissioning are provided in Appendix C.

Field screening indicated the likely presence of PCS around the tanks during the decommissioning of UST-1, -2, -3, and -6. Characterization and confirmation sampling, discussed below, confirmed the presence of PCS and guided the follow-up cleanup/removal of the PCS.

Ecology UST Program representative Anette Ademasu visited the subject property on October 7, 2015. Ms. Ademasu observed the removal of UST-4 and UST-5, and the associated confirmation sampling. A formal notice of a release associated with UST-1, UST-2, UST-3, and UST-6 was sent by Landau Associates to Ecology on October 19, 2015. The assigned facility ID for the site is #4848, and the

environmental report tracking system (ERTS) number is #660148. Follow-up conversations with Ms. Ademasu and Ecology representative Gayle Garbush indicated a site assessment, characterization, and cleanup report submitted to Ecology within 90 days of the formal notice of release would satisfy the applicable Ecology reporting requirements and keep the subject property from being added to the Ecology Hazardous Sites List.

3.0 CHARACTERIZATION SAMPLING, SOIL CLEANUP, AND CONFIRMATION SOIL SAMPLING

The following sections describe the procedures used for characterization and confirmation sampling soil cleanup, and backfilling in the areas where the USTs were removed.

3.1 Applicable Soil Cleanup Levels

To allow for unrestricted future land use, the MTCA Method A soil cleanup levels (cleanup levels) for unrestricted land uses were used to evaluate the analytical data generated during the UST removal activities. Groundwater was not encountered during the excavation activities; therefore, a discussion of groundwater sampling and associated cleanup levels is not warranted.

3.2 UST-1, UST-2, and UST-3 Characterization Sampling, Soil Cleanup, Confirmation Sampling, and Analytical Results

The following section describes the characterization sampling, soil cleanup, confirmation sampling, and analytical results associated with the decommissioning and removal of UST-1 (gasoline), UST-2 (diesel), and UST-3 (gasoline).

3.2.1 Field Screening and Characterization Sampling

Because UST-1, UST-2, and UST-3 were located next to each other, only one excavation was needed to remove the three USTs. Soil excavated during the UST removal activities was observed by Landau Associates for physical signs of contamination and monitored for the presence of volatile organic compounds (VOCs) with a photoionization detector (PID). A PID reading of 20 parts per million (ppm) was established as the threshold to identify the excavated soil as likely PCS.

Field screening during excavation found evidence of PCS associated with the USTs in the upper 4 ft of overburden soil above the USTs. A characterization sample (S1) was collected by Landau Associates to verify the field-screening observations. Based on the former contents of the tanks in this area, which included gasoline and diesel, this characterization sample was submitted to ALS Laboratory (ALS) in Everett, Washington and analyzed for TPH-G by Method NWTPH-Gx, and TPH-D and TPH-O by Method NWTPH-Dx. Analytical results for this sample indicated TPH-G concentrations in soil greater than the cleanup levels. Analytical results for characterization sample S1 are summarized in Table 1 and on Figure 4.

3.2.2 Soil Cleanup and Confirmation Sampling

Based on the analytical results for the characterization sample, a cleanup of PCS in the UST-1, -2, and -3 excavation area was completed by soil removal. The excavation for the removal of the USTs and the surrounding soil resulted in an excavation approximately 18 ft by 30 ft, and approximately 10 ft deep. Excavated soil from above and around the three USTs was loaded directly onto trucks and removed as PCS for offsite disposal.

After the removal of the three USTs and associated excavation and removal of PCS, confirmation soil samples were collected by Landau Associates to document soil quality at the limits of the excavation, to evaluate the extent, if any, of remaining PCS, and to identify if areas existed where additional excavation would be required to remove soil with contaminant concentrations greater than the cleanup levels. Confirmation soil samples were collected directly from the sidewalls and base of the excavation, or from the center of the excavator bucket when access to the excavation was not permitted because of safety concerns. Additional confirmation samples were collected from below the UST system piping that was removed from west of the northwest corner of the excavation. Confirmation samples for VOC analysis [TPH-G and benzene, toluene, ethylbenzene, and xylenes (BTEX)] were collected using US Environmental Protection Agency (EPA) Method 5035A soil sampling procedures.

Six sidewall (SW-1, SW-2, SW-3, SW-4, SW-5, and SW-6), three base (BS-1, BS-2, and BS-3; one beneath each UST), and one piping (P-1) confirmation soil samples were collected from the excavation area following tank and piping removal. No PCS was observed or identified based on field screening beneath or around any of the removed USTs.

The extent of the excavation associated with removal of the diesel and gasoline USTs and the characterization and confirmation sample locations are shown on Figure 4.

3.2.3 Confirmation Sample Analysis and Results

Confirmation soil samples were collected by Landau Associates and analyzed by ALS. The samples were selectively analyzed for TPH-D and TPH-O using Method NWTPH-Dx, TPH-G by Method NWTPH-G, BTEX by Method 8021, and total lead by Method SW6020. The confirmation soil analytical results are summarized in Table 1 and on Figure 4. Copies of the laboratory data reports are provided in Appendix D. The approximate locations of where the confirmation samples were collected are shown on Figure 4.

The analytical results for all of the confirmation samples indicated TPH-D, TPH-O, TPH-G, BTEX, and total lead concentrations less than their respective MTCA Method A soil cleanup levels.

3.3 UST-4 and UST-5 Confirmation Sampling and Analytical Results

The following section describes characterization sampling, soil cleanup, confirmation sampling, and analytical results associated with the decommissioning and removal of UST-4 (gasoline) and UST-5 (gasoline).

3.3.1 Field Screening and Confirmation Sampling

Because UST-4 and UST-5 were located next to each other, only one excavation was needed to remove the two USTs. The excavation for removal of the USTs and surrounding soil resulted in an excavation approximately 18 ft by 22 ft, and approximately 10 ft deep. Soil excavated during the UST

removal activities was observed by Landau Associates for physical signs of contamination and monitored for the presence of VOCs with a PID. A PID reading of 20 ppm was established as the threshold to identify the excavated soil as likely PCS. Excavated soil with field-screening results greater than 20 ppm or visual indications of contamination was segregated as “impacted” soil and temporarily stockpiled on the subject property. Soil with no indications of being impacted by the UST system would be temporarily stockpiled on the subject property as “non-impacted” soil for possible future use as “clean” backfill.

Field screening during excavation found no evidence of PCS associated with UST-4 and UST-5. Therefore, excavated soil from above and around the two USTs was stockpiled in a “non-impacted” stockpile to potentially be used as backfill after receipt of the stockpile confirmation sample results, discussed below.

After the removal of the two USTs, confirmation soil samples were collected by Landau Associates to document soil quality at the limits of the excavation, to evaluate the extent, if any, of PCS, and to identify if areas existed where additional excavation would be required to remove soil with contaminant concentrations greater than the cleanup levels. Confirmation soil samples were collected directly from the sidewalls and base of the excavation, or from the center of the excavator bucket when access to the excavation was not permitted because of safety concerns. Confirmation samples for VOC analysis (TPH-G and BTEX) were collected using EPA Method 5035A soil sampling procedures.

Two sidewall (SW-7 and SW-8), two base (BS-4 and BS-5; one beneath each UST), and three stockpile (SP-1, SP-2, and SP-3) confirmation soil samples were collected from the excavation following tank and soil removal. No PCS was observed or identified based on field screening beneath or around either of the removed USTs.

The extent of the excavation associated with removal of the USTs and confirmation sample locations are shown on Figure 5.

3.3.2 Confirmation Sample Analysis and Results

Confirmation soil samples were collected by Landau Associates and analyzed by ALS. The samples were selectively analyzed for TPH-D and TPH-O using Method NWTPH-Dx, TPH-G by Method NWTPH-G, BTEX by Method 8021 and total lead by Method SW6020. The confirmation soil analytical results are summarized in Table 1 and on Figure 5. Copies of the laboratory data reports are provided in Appendix D. The approximate locations of where the confirmation samples were collected are shown on Figure 5.

The analytical results for all of the confirmation samples, including the stockpile samples, indicated TPH-D, TPH-O, TPH-G, BTEX, and total lead concentrations less than their respective MTCA Method A soil cleanup levels. After the receipt of the analytical data, stockpiled soil was used to backfill the UST-4 and UST-5 excavation.

3.4 UST-6 Characterization Sampling, Soil Cleanup, Confirmation Sampling, and Analytical Results

The following section describes characterization sampling, soil cleanup, confirmation sampling, and analytical results associated with the decommissioning and removal of UST-6 (waste oil).

3.4.1 Field Screening and Characterization Sampling

Soil excavated during the UST removal activities was observed by Landau Associates for physical signs of contamination and monitored for the presence of VOCs with a PID. A PID reading of 20 ppm was established as the threshold to identify the excavated soil as PCS.

Field screening during initial excavation found evidence of PCS associated with UST-6 including dark staining of soil and a heavy oil-like odor in the soil. These indications of PCS were observed below and to the south of the UST; no staining or other evidence of contamination was observed in soils to the west or north, or on the concrete wall to the east. A characterization sample (UST-6) was collected by Landau Associates to verify the field-screening observations. This characterization sample was submitted to ALS for analysis for TPH-G by Method NWTPH-Gx, TPH-D and TPH-O by Method NWTPH-Dx, BTEX by EPA Method 8021, and total lead by Method SW6020. Based on the former use of this tank for storage of waste oil, the sample was also analyzed for VOCs by EPA Methods 8260 and 8260-SIM, carcinogenic and non-carcinogenic polycyclic aromatic hydrocarbons (cPAHs and PAHs) by EPA Method 8270-SIM, and polychlorinated biphenyls (PCBs) by EPA Method 8082. Analytical results for this sample indicated concentrations of TPH-O, TPH-G, benzene, total xylenes, and total naphthalenes greater than the soil cleanup levels. VOCs and PCBs were not detected at concentrations greater than the laboratory reporting limits. Analytical results for characterization sample UST-6 are summarized in Table 1 and on Figure 6.

3.4.2 Soil Cleanup and Confirmation Sampling

Based on the results of the characterization sample, a cleanup of PCS in the UST-6 excavation area was completed by soil removal. The excavation resulting from the removal of UST-6 and the surrounding PCS was approximately 8 ft by 15 ft, and approximately 9 ft deep. The east sidewall of the excavation was an existing concrete wall that extended from approximately 2 ft below ground surface to the bottom of the excavation. As discussed above, field screening during the excavation found evidence of PCS associated with the UST along the south side of the removed UST-6. Therefore, the cleanup excavation to the south extended to another east-west section of concrete wall. Excavated soil from above and around the UST was loaded directly onto trucks and removed as PCS for offsite disposal.

After the removal of the USTs and PCS, confirmation soil samples were collected by Landau Associates to document soil quality at the limits of the excavation, to evaluate the extent, if any, of remaining PCS, and to identify if areas existed where additional excavation would be required to remove soil with contaminant concentrations greater than the cleanup levels. Confirmation soil samples were

collected directly from the sidewalls and base of the excavation, or from the center of the excavator bucket when access to the excavation was not permitted because of safety concerns. Confirmation samples for VOC analysis (TPH-G and BTEX) were collected using EPA Method 5035A soil sampling procedures.

Three sidewall (SW-9, SW-10, and SW-11) and one base (BS-6) confirmation soil samples were collected from the excavation following tank and soil removal. Soil from the south sidewall sample (SW-9) was collected from the south concrete wall. Field screening of soil at the SW-9 sample location indicated potential contamination but at a lesser degree than previously observed in excavated soils. No PCS was observed or identified based on field screening beneath or at the east, north, or west sidewalls of the removed UST. Based on the analytical results (discussed below), additional excavation in the area of SW-9 was completed to the south before collecting an additional sidewall confirmation sample (SW-12).

3.4.3 Confirmation Sample Analysis and Results

Confirmation soil samples were collected by Landau Associates and analyzed by ALS for TPH-D and TPH-O by Method NWTPH-Dx, TPH-G by Method NWTPH-G, BTEX by Method 8021, total lead by Method SW6020, and cPAHs by Method 8270-SIM. VOCs and PCBs were not detected at concentrations greater than the laboratory reporting limits in characterization sample UST-6; therefore, the confirmation samples were not analyzed for these chemicals. The confirmation soil analytical results are summarized in Table 1 and on Figure 6. Copies of the laboratory data reports are provided in Appendix D. The approximate locations of where the confirmation samples were collected are shown on Figure 6.

The analytical results for all of the final confirmation samples (SW-10, SW-11, SW-12, and BS-6) indicated TPH-D, TPH-O, TPH-G, BTEX, total lead, PAH, and cPAH concentrations less than their respective MTCA Method A soil cleanup levels.

3.5 Waste Disposal

As referenced above, the impacted soil excavated from the UST-1, UST-2, and UST-3 excavation area and the UST-6 excavation area was loaded directly onto trucks and removed from the subject property as PCS for offsite disposal at the Cemex facility in Everett, Washington. Approximately 142.5 tons of soil was removed from the UST-1, UST-2, and UST-3 excavation area, and approximately 65.5 tons of soil was removed from the UST-6 excavation area. Soil disposal documentation is provided in Appendix E. The former USTs were removed from the subject property for recycling. No additional waste was generated during the UST removal activities. Wastes generated during decommissioning of the tanks, which included removed product, washwater, and removed CDF-like material from UST-4, was all disposed of at an appropriate facility approved by the City.

3.6 Washington State Department of Ecology Closure Notice and Site Assessment Checklist

Copies of the completed Ecology UST Closure and Site Assessment Notice and completed UST Site Assessment Checklist are provided in Appendices F and G, respectively.

4.0 SUMMARY AND CONCLUSIONS

This report documents the decommissioning by removal of six USTs from the subject property consistent with the requirements of WAC 173-360-385. The results of the UST system removal activities included the following:

- Six USTs (four formerly containing gasoline, one formerly containing diesel, and one formerly containing waste oil) were removed from the subject property by Merlino and DTR. Two of the USTs (UST-2 and UST-6) were in poor condition, with corrosion holes and evidence of leakage. Additional field evidence of PCS was observed in the overburden above UST-1, UST-2, and UST-3.
- Based on field-screening observations, characterization soil samples were collected from the excavation areas associated with UST-1, UST-2, and UST-3, and with UST-6. These characterization samples confirmed releases associated with the USTs and the presence of PCS during the UST removal activities.
- Soil cleanup was completed in the UST-1, -2, and -3 and the UST-6 areas by excavation and offsite disposal of the PCS.
- No contaminants were detected at concentrations greater than the MTCA Method A soil cleanup levels for unrestricted land uses in the final confirmation soil samples collected from the limits of the UST-1, UST-2 and UST-3 excavation after soil cleanup, or in the piping sample collected from under the UST-associated piping northwest of the excavation area.
- No contaminants were detected at concentrations greater than the MTCA Method A soil cleanup levels for unrestricted land uses in the final confirmation soil samples collected from the limits of the UST-4 and UST-5 excavation or in the samples collected from the stockpiled soil. Therefore, the stockpiled soil was used to backfill the UST-4 and UST-5 excavation.
- Only the initial confirmation sample collected from the south sidewall of the UST-6 area indicated a contaminant concentration (TPH-O) greater than the MTCA Method A soil cleanup level. Additional soil was subsequently excavated from the south side of the UST-6 area, and an additional soil confirmation sample was collected for laboratory analysis. The final soil confirmation sample from the south sidewall of the UST-6 area indicated that the contaminant concentrations at the sidewall of the overexcavated area were less than the MTCA Method A soil cleanup levels.
- The PCS excavated from the UST-1, UST-2, and UST-3 and the UST-6 areas was disposed of at an appropriate offsite disposal facility.

The results of the UST decommissioning/removal activities, which included site characterization, soil cleanup, and collection of confirmation soil samples, did not identify concentrations of fuel constituents greater than the MTCA Method A soil cleanup levels in the final soil confirmation samples collected at the subject property. Therefore, there is no evidence of a potential threat to human health or the environment, and the UST decommissioning and site cleanup are complete. Based on the UST decommissioning and cleanup activities, the City is requesting that Ecology issue a No Further Action determination for the subject property.

5.0 USE OF THIS REPORT

This UST Site Assessment, Characterization, and Cleanup Report has been prepared by Landau Associates for the exclusive use of the City of Shoreline (City) for specific application to the subject property, as that term is defined herein. Services for this project were conducted in accordance with the contract between the City's contractor, HDR Engineering, Inc., and Landau Associates. Landau Associates has performed these services in accordance with generally accepted engineering and consulting standards for environmental work in Washington State at the time these services were performed. The reuse of the information, conclusions, and recommendations set forth herein by the City or others in connection with any site other than the subject property without Landau Associates' written permission shall be at the sole risk of user and without liability to Landau Associates.

This document has been prepared under the supervision and direction of the following key staff.

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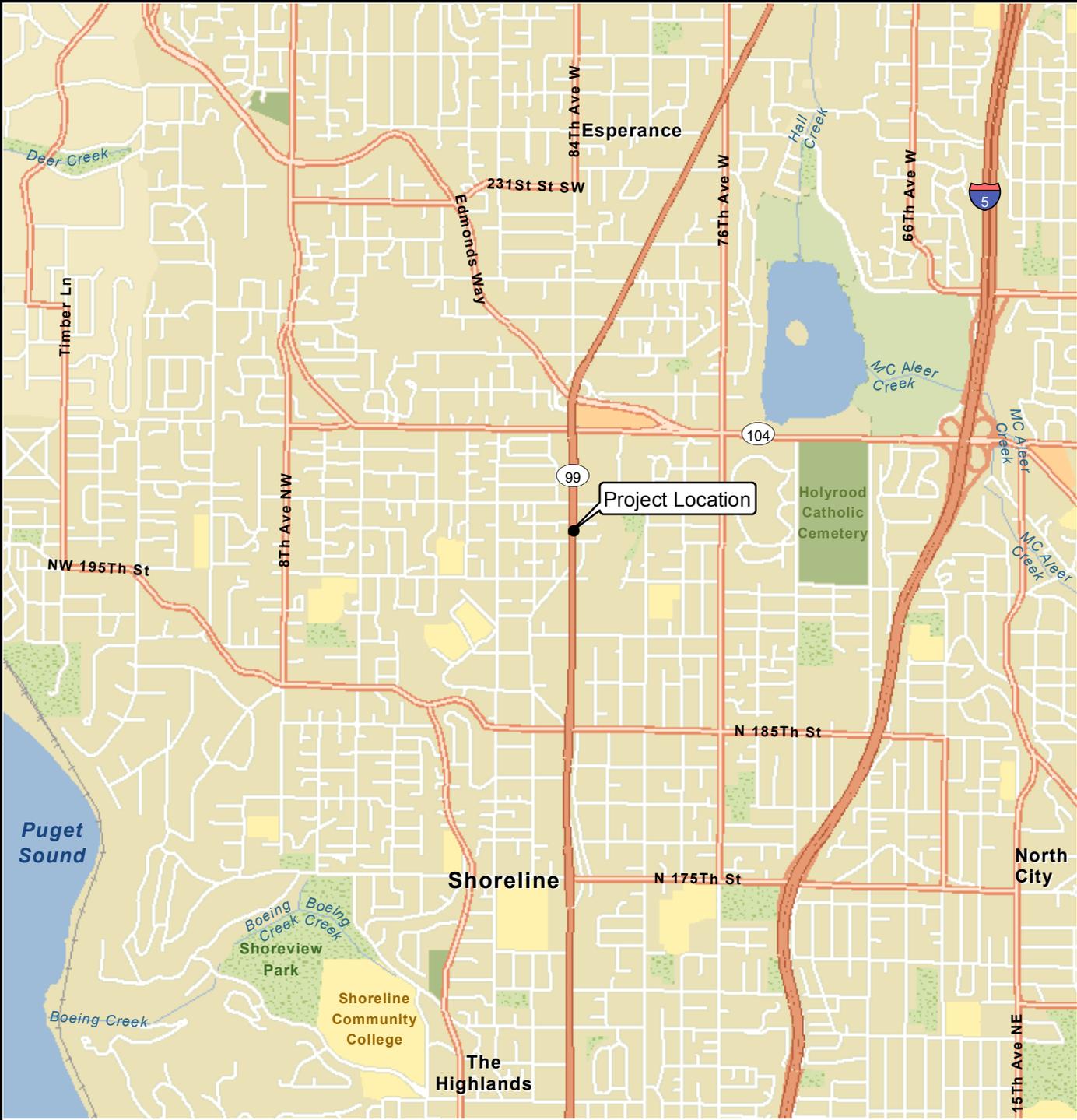


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G:\Projects\122023070\F01VicinityMap.mxd 12/4/2015 NAD 1983 StatePlane Washington North FIPS 4601 Feet



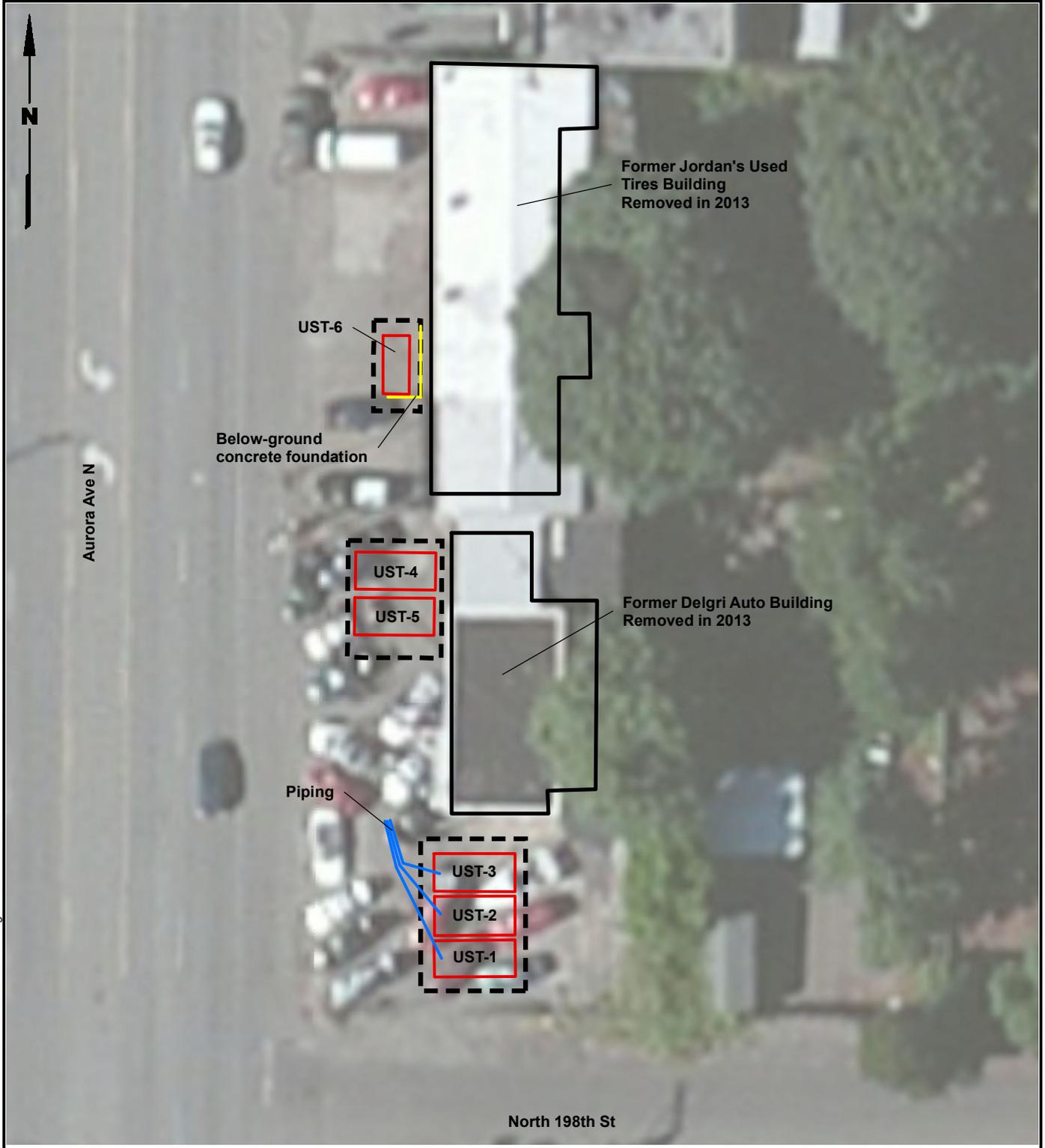
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Aurora-Gunderson Property
Shoreline, Washington

Vicinity Map

Figure
1



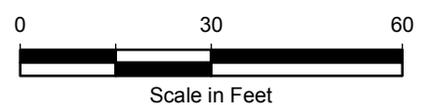
G:\Projects\1220203\070\F02SitePlan.mxd 1/7/2016 NAD 1983 StatePlane Washington North FIPS 4601 Feet

Legend

- Former Building
- Excavation Area
- UST

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

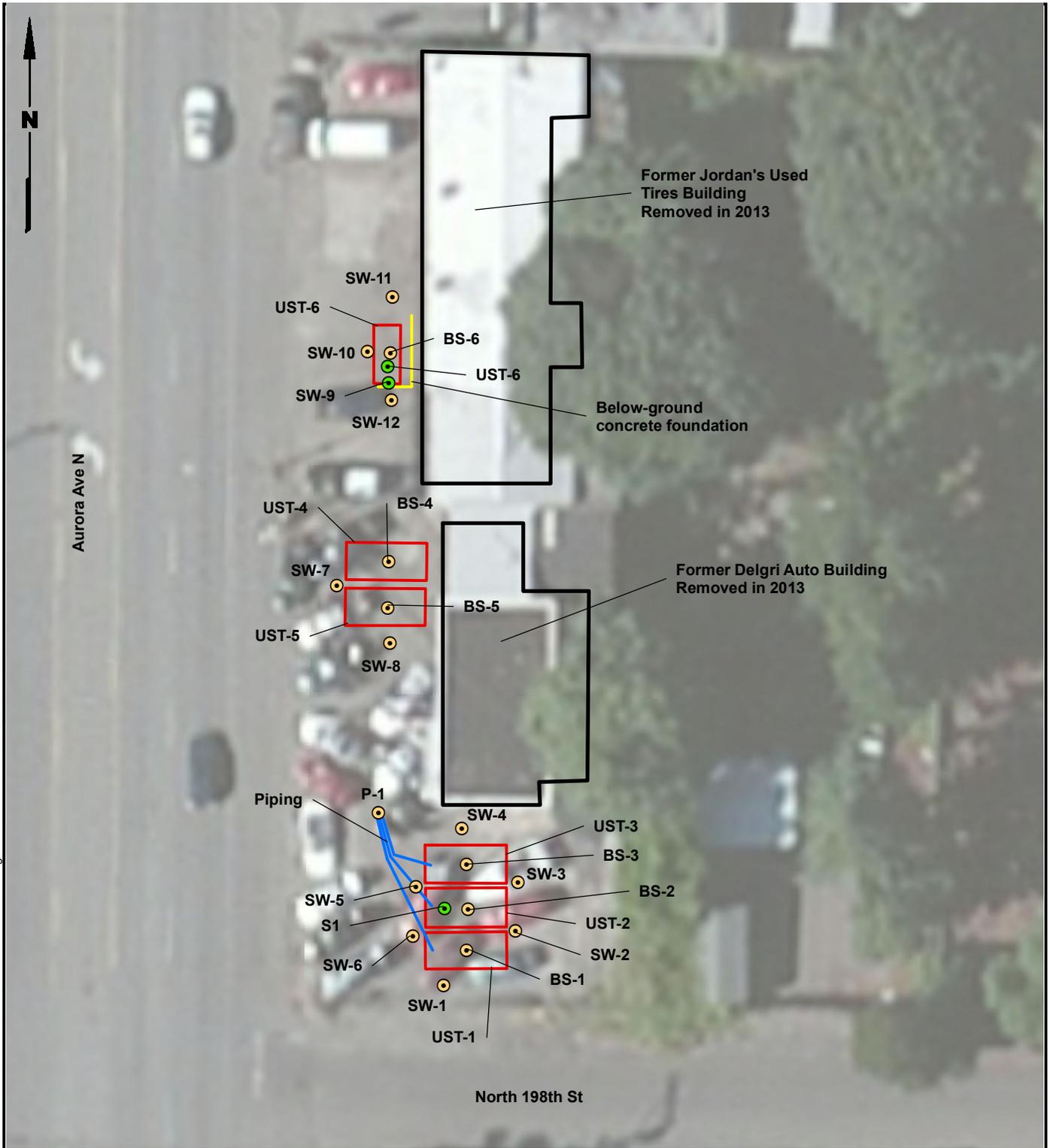


Data Source: Esri World Imagery



Aurora-Gunderson Property Shoreline, Washington	Site Plan	Figure 2
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G:\Projects\122\023\070\F03\USTSiteAssessment.mxd 1/7/2016 NAD 1983 StatePlane Washington North FIPS 4601 Feet



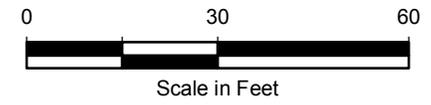
Legend

- Confirmation Sample Location, Contaminant Concentrations below CUL's; Final Confirmation Sample
- Confirmation Sample Location, Contaminant Concentrations above CUL's
- Former Building
- Excavation Area
- UST

Data Source: Esri World Imagery

Note

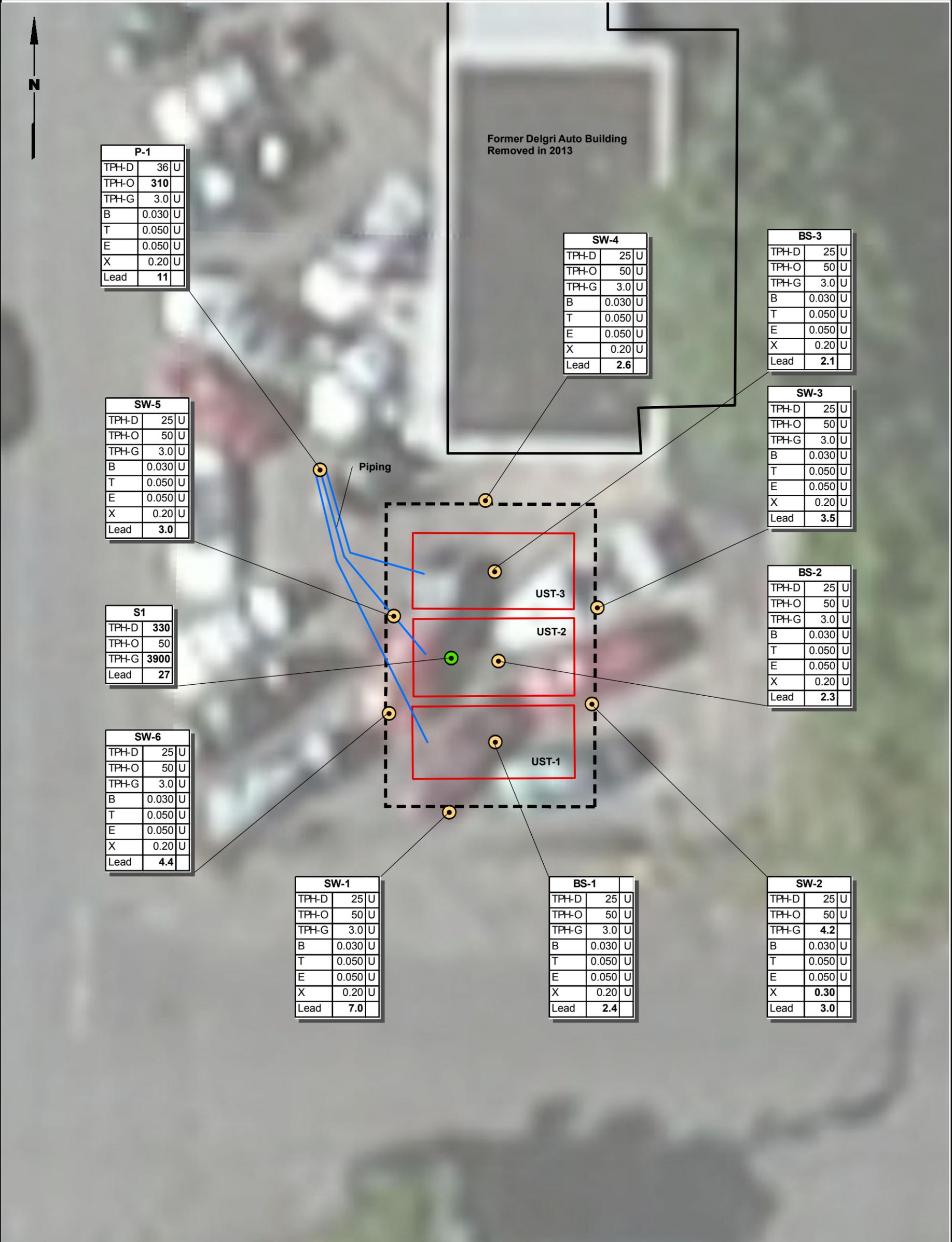
1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.



Aurora-Gunderson Property
Shoreline, Washington

**UST Site Assessment
Sample Locations**

Figure
3



Legend

- Confirmation Sample Location, Contaminant Concentrations below CUL's; Final Confirmation Sample
- Confirmation Sample Location, Contaminant Concentrations above CUL's
- Former Building
- Excavation Area
- UST

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.



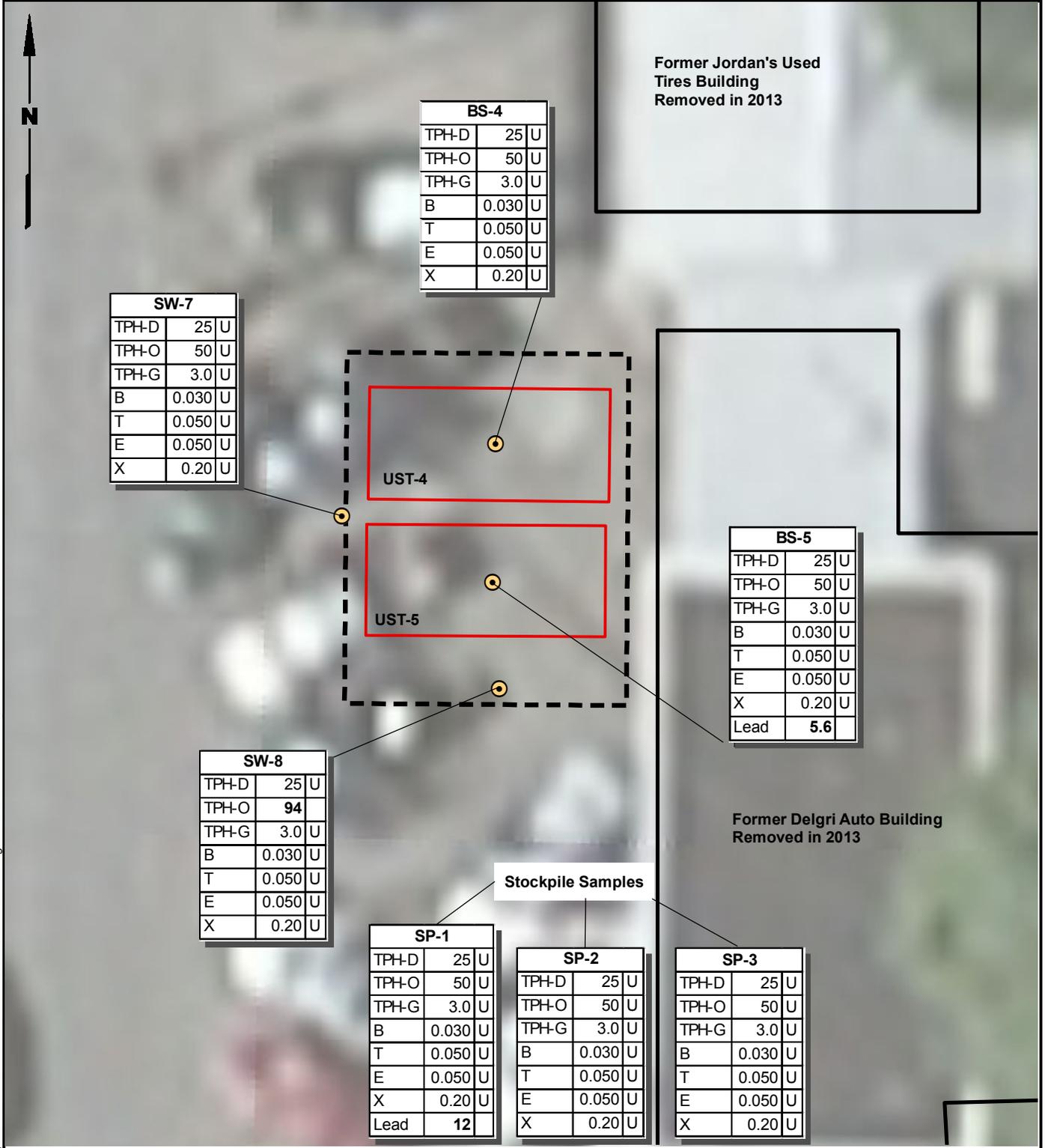
Data Source: Esri World Imagery

Aurora-Gunderson Property
Shoreline, Washington

**UST-1, UST-2 and UST-3
Analytical Data**

Figure
4

G:\Projects\122023070\F05UST45AnalyticalData.mxd 1/7/2016 NAD 1983 StatePlane Washington North FIPS 4601 Feet



BS-4		
TPH-D	25	U
TPH-O	50	U
TPH-G	3.0	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U

SW-7		
TPH-D	25	U
TPH-O	50	U
TPH-G	3.0	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U

UST-4		
TPH-D	25	U
TPH-O	50	U
TPH-G	3.0	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U

UST-5		
TPH-D	25	U
TPH-O	50	U
TPH-G	3.0	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U

BS-5		
TPH-D	25	U
TPH-O	50	U
TPH-G	3.0	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U
Lead	5.6	

SW-8		
TPH-D	25	U
TPH-O	94	
TPH-G	3.0	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U

SP-1		
TPH-D	25	U
TPH-O	50	U
TPH-G	3.0	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U
Lead	12	

SP-2		
TPH-D	25	U
TPH-O	50	U
TPH-G	3.0	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U

SP-3		
TPH-D	25	U
TPH-O	50	U
TPH-G	3.0	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U

Legend

- Confirmation Sample Location, Contaminant Concentrations below CUL's; Final Confirmation Sample
- Former Building
- Excavation Area
- UST

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

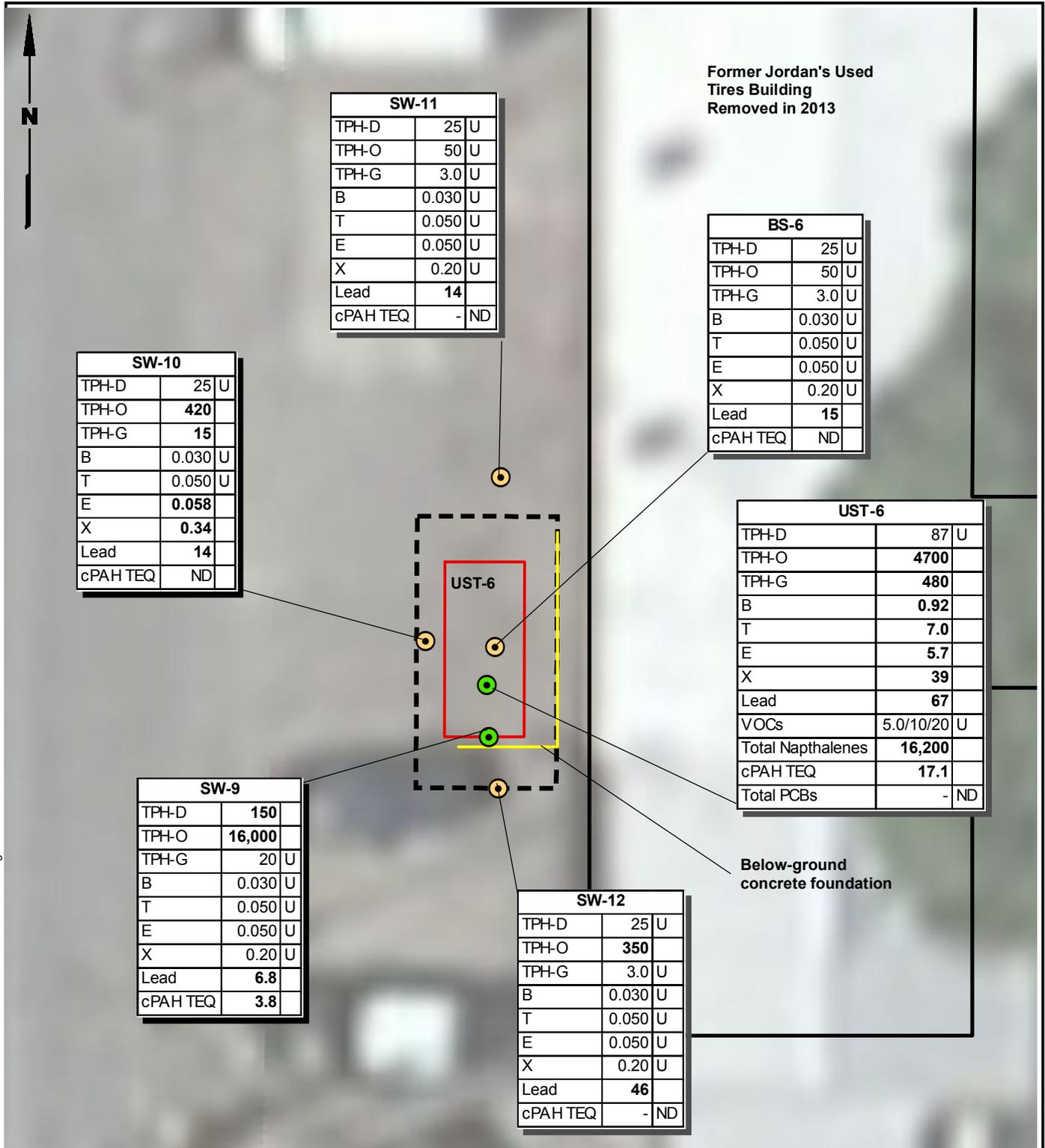


Data Source: Esri World Imagery



Aurora-Gunderson Property Shoreline, Washington	UST-4 and UST-5 Analytical Data	Figure 5
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G:\Projects\122023070\F06\UST6AnalyticalData.mxd 1/7/2016 NAD 1983 StatePlane Washington North FIPS 4601 Feet



SW-11		
TPH-D	25	U
TPH-O	50	U
TPH-G	3.0	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U
Lead	14	
cPAH TEQ	-	ND

Former Jordan's Used Tires Building Removed in 2013

BS-6		
TPH-D	25	U
TPH-O	50	U
TPH-G	3.0	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U
Lead	15	
cPAH TEQ	-	ND

SW-10		
TPH-D	25	U
TPH-O	420	
TPH-G	15	
B	0.030	U
T	0.050	U
E	0.058	
X	0.34	
Lead	14	
cPAH TEQ	-	ND

UST-6		
TPH-D	87	U
TPH-O	4700	
TPH-G	480	
B	0.92	
T	7.0	
E	5.7	
X	39	
Lead	67	
VOCs	5.0/10/20	U
Total Napthalenes	16,200	
cPAH TEQ	17.1	
Total PCBs	-	ND

SW-9		
TPH-D	150	
TPH-O	16,000	
TPH-G	20	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U
Lead	6.8	
cPAH TEQ	3.8	

SW-12		
TPH-D	25	U
TPH-O	350	
TPH-G	3.0	U
B	0.030	U
T	0.050	U
E	0.050	U
X	0.20	U
Lead	46	
cPAH TEQ	-	ND

Below-ground concrete foundation

Legend

- Confirmation Sample Location, Contaminant Concentrations below CUL's; Final Confirmation Sample
- Confirmation Sample Location, Contaminant Concentrations above CUL's
- Former Building
- Excavation Area
- UST

Data Source: Esri World Imagery

Note

1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.



Aurora-Gunderson Property Shoreline, Washington

UST-6 Analytical Data

Figure **6**

**TABLE 1
SOIL ANALYTICAL RESULTS
AURORA-GUNDERSON PROPERTY
SHORELINE, WASHINGTON**

	MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses	S1 EV15090127-01 9/21/2015 0-1	BS-1 EV15090186-01 9/29/2015 9-10	BS-2 EV15090191-01 9/30/2015 9-10	BS-3 EV15090191-02 9/30/2015 9-10	BS-4 EV15100043-01 10/07/2015 10-11	BS-5 EV15100043-02 10/07/2015 10-11	BS-6 EV15100104-02 10/16/2015 8-9	P-1 EV15090186-06 9/29/2015 1.5-2	SP-1 EV15100043-05 10/07/2015 n/a	SP-2 EV15100043-06 10/07/2015 na/	SP-3 EV15100043-07 10/07/2015 n/a	SW-1 EV15090186-02 9/29/2015 0-10	SW-2 EV15090186-03 9/29/2015 0-10	
TOTAL PETROLEUM HYDROCARBONS (mg/kg)															
NWTPH-DXSG															
TPH-Diesel Range	2,000	330	25 U	25 U	25 U	25 U	25 U	25 U	25 U	36 U	25 U				
TPH-Oil Range	2,000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	310	50 U	50 U	50 U	50 U	50 U
NWTPH-Gx															
TPH-Gasoline Range	100/30 (a)	3,900	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	4.2
BTEX (mg/kg)															
Method EPA-8021															
Benzene	0.03	NA	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
Toluene	7	NA	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Ethylbenzene	6	NA	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Xylenes	9	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.30
TOTAL METALS (mg/kg)															
Method EPA-6020															
Lead	250	27	2.4	2.3	2.1	NA	5.6	15	11	12	NA	NA	7.0	3.0	
VOLATILES (µg/kg)															
Method EPA-8260 SIM															
Vinyl Chloride		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trans-1,3-Dichloropropene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOLATILES (µg/kg)															
Method EPA-8260															
Dichlorodifluoromethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl T-Butyl Ether	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trans-1,2-Dichloroethene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cis-1,2-Dichloroethene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 1
SOIL ANALYTICAL RESULTS
AURORA-GUNDERSON PROPERTY
SHORELINE, WASHINGTON**

	MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses	S1	BS-1	BS-2	BS-3	BS-4	BS-5	BS-6	P-1	SP-1	SP-2	SP-3	SW-1	SW-2
		EV15090127-01 9/21/2015 0-1	EV15090186-01 9/29/2015 9-10	EV15090191-01 9/30/2015 9-10	EV15090191-02 9/30/2015 9-10	EV15100043-01 10/07/2015 10-11	EV15100043-02 10/07/2015 10-11	EV15100104-02 10/16/2015 8-9	EV15090186-06 9/29/2015 1.5-2	EV15100043-05 10/07/2015 n/a	EV15100043-06 10/07/2015 na/	EV15100043-07 10/07/2015 n/a	EV15090186-02 9/29/2015 0-10	EV15090186-03 9/29/2015 0-10
1,2-Dibromoethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromobenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo 3-Chloropropane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs (µg/kg)														
Method EPA-8270 SIM														
Naphthalene		NA	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene		NA	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene		NA	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA	NA	NA
Total Naphthalenes	5,000	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene		NA	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA	NA	NA
Chrysene		NA	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene		NA	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene		NA	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene		NA	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene		NA	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene		NA	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA	NA	NA
cPAH TEQ	100	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA
PCBs (mg/kg)														
Method EPA-8082														
PCB-1016		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1221		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1232		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1242		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1248		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1254		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1260		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1268		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 1
SOIL ANALYTICAL RESULTS
AURORA-GUNDERSON PROPERTY
SHORELINE, WASHINGTON**

	MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses	SW-3 EV15090186-04 9/29/2015 0-10	SW-4 EV15090186-05 9/29/2015 0-10	SW-5 EV15090186-07 9/29/2015 0-10	SW-6 EV15090191-03 9/30/2015 0-10	SW-7 EV15100043-03 10/7/2015 0-10	SW-8 EV15100043-04 10/7/2015 0-10	SW-9 EV15100104-01 10/16/2015 6-7	SW-10 EV15100104-03 10/16/2015 6-7	SW-11 EV15100104-04 10/16/2015 6-7	SW-12 EV15100140-01 10/23/2015 0-6	UST-6 EV15100066-01 10/9/2015 4-5
TOTAL PETROLEUM HYDROCARBONS (mg/kg)												
NWTPH-DXSG												
TPH-Diesel Range	2,000	25 U	150	25 U	25 U	25 U	87 U					
TPH-Oil Range	2,000	50 U	94	16,000	420	50 U	350	4,700				
NWTPH-Gx												
TPH-Gasoline Range	100/30 (a)	3.0 U	20 U	15	3.0 U	3.0 U	480					
BTEX (mg/kg)												
Method EPA-8021												
Benzene	0.03	0.030 U	0.030 U	0.030 U	0.92							
Toluene	7	0.050 U	0.050 U	0.050 U	7.0							
Ethylbenzene	6	0.050 U	0.058	0.050 U	0.050 U	5.7						
Xylenes	9	0.20 U	0.34	0.20 U	0.20 U	39						
TOTAL METALS (mg/kg)												
Method EPA-6020												
Lead	250	3.5	2.6	3.0	4.4	NA	NA	6.8	14	14	46	67
VOLATILES (µg/kg)												
Method EPA-8260 SIM												
Vinyl Chloride		NA	NA	NA	10 U							
Carbon Tetrachloride		NA	NA	NA	10 U							
Trichloroethene	30	NA	NA	NA	10 U							
1,2-Dichloropropane		NA	NA	NA	10 U							
Trans-1,3-Dichloropropene		NA	NA	NA	10 U							
1,1,2-Trichloroethane		NA	NA	NA	10 U							
Dibromochloromethane		NA	NA	NA	10 U							
1,1,1,2-Tetrachloroethane		NA	NA	NA	10 U							
1,1,2,2-Tetrachloroethane		NA	NA	NA	10 U							
1,2,4-Trichlorobenzene		NA	NA	NA	10 U							
VOLATILES (µg/kg)												
Method EPA-8260												
Dichlorodifluoromethane		NA	NA	NA	10 U							
Chloromethane		NA	NA	NA	10 U							
Bromomethane		NA	NA	NA	10 U							
Chloroethane		NA	NA	NA	10 U							
Trichlorofluoromethane		NA	NA	NA	10 U							
1,1-Dichloroethene		NA	NA	NA	10 U							
Methylene Chloride	20	NA	NA	NA	20 U							
Methyl T-Butyl Ether	100	NA	NA	NA	10 U							
Trans-1,2-Dichloroethene		NA	NA	NA	10 U							
1,1-Dichloroethane		NA	NA	NA	10 U							
Cis-1,2-Dichloroethene		NA	NA	NA	10 U							
2,2-Dichloropropane		NA	NA	NA	10 U							
Bromochloromethane		NA	NA	NA	10 U							
Chloroform		NA	NA	NA	10 U							
1,1,1-Trichloroethane	2,000	NA	NA	NA	10 U							
1,1-Dichloropropene		NA	NA	NA	10 U							
1,2-Dichloroethane		NA	NA	NA	10 U							
Dibromomethane		NA	NA	NA	10 U							
Bromodichloromethane		NA	NA	NA	10 U							
Cis-1,3-Dichloropropene		NA	NA	NA	10 U							
1,3-Dichloropropane		NA	NA	NA	10 U							
Tetrachloroethene	50	NA	NA	NA	10 U							

**TABLE 1
SOIL ANALYTICAL RESULTS
AURORA-GUNDERSON PROPERTY
SHORELINE, WASHINGTON**

	MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses	SW-3	SW-4	SW-5	SW-6	SW-7	SW-8	SW-9	SW-10	SW-11	SW-12	UST-6
		EV15090186-04	EV15090186-05	EV15090186-07	EV15090191-03	EV15100043-03	EV15100043-04	EV15100104-01	EV15100104-03	EV15100104-04	EV15100140-01	EV15100066-01
		9/29/2015 0-10	9/29/2015 0-10	9/29/2015 0-10	9/30/2015 0-10	10/7/2015 0-10	10/7/2015 0-10	10/16/2015 6-7	10/16/2015 6-7	10/16/2015 6-7	10/23/2015 0-6	10/9/2015 4-5
1,2-Dibromoethane		NA	5.0 U									
Chlorobenzene		NA	10 U									
Bromoform		NA	10 U									
1,2,3-Trichloropropane		NA	10 U									
Bromobenzene		NA	10 U									
2-Chlorotoluene		NA	10 U									
4-Chlorotoluene		NA	10 U									
1,3-Dichlorobenzene		NA	10 U									
1,4-Dichlorobenzene		NA	10 U									
1,2-Dichlorobenzene		NA	10 U									
1,2-Dibromo 3-Chloropropane		NA	50 U									
Hexachlorobutadiene		NA	10 U									
1,2,3-Trichlorobenzene		NA	10 U									
PAHs (µg/kg)												
Method EPA-8270 SIM												
Naphthalene		NA	NA	NA	NA	NA	NA	51	33	20 U	20 U	4,600
2-Methylnaphthalene		NA	NA	NA	NA	NA	NA	81	64	20 U	20 U	6,700
1-Methylnaphthalene		NA	NA	NA	NA	NA	NA	99	44	20 U	20 U	4,900
Total Naphthalenes	5,000	NA	NA	NA	NA	NA	NA	231	141	ND	ND	16,200
Benzo(a)anthracene		NA	NA	NA	NA	NA	NA	29	20 U	20 U	20 U	160
Chrysene		NA	NA	NA	NA	NA	NA	88	20 U	20 U	20 U	110
Benzo(b)fluoranthene		NA	NA	NA	NA	NA	NA	20 U	20 U	20 U	20 U	20 U
Benzo(k)fluoranthene		NA	NA	NA	NA	NA	NA	20 U	20 U	20 U	20 U	20 U
Benzo(a)pyrene		NA	NA	NA	NA	NA	NA	20 U	20 U	20 U	20 U	20 U
Indeno(1,2,3-cd)pyrene		NA	NA	NA	NA	NA	NA	20 U	20 U	20 U	20 U	20 U
Dibenz(a,h)anthracene		NA	NA	NA	NA	NA	NA	20 U	20 U	20 U	20 U	20 U
cPAH TEQ	100	NA	NA	NA	NA	NA	NA	3.8	ND	ND	ND	17.1
PCBs (mg/kg)												
Method EPA-8082												
PCB-1016		NA	0.10 U									
PCB-1221		NA	0.10 U									
PCB-1232		NA	0.10 U									
PCB-1242		NA	0.10 U									
PCB-1248		NA	0.10 U									
PCB-1254		NA	0.10 U									
PCB-1260		NA	0.10 U									
PCB-1268		NA	0.10 U									
Total PCBs	1	NA	ND									

(a) Cleanup level is 100 mg/kg when benzene is not present; otherwise 30 mg/kg.
 U = The compound was not detected at the reported concentration.
 Bold = Detected compound.
 Box = Exceedance of cleanup level.
 NA = Not analyzed.

**30-Day Notice to
Washington State Department of Ecology
of Intent to Decommission**



UNDERGROUND STORAGE TANK (UST) 30-DAY NOTICE

(See back of form for instructions)

FOR OFFICE USE ONLY

Site ID # _____

FS ID # _____

Please the appropriate box: Intent to Install

Intent to Close

HQ (360)407-7170 / Central (509)575-2490 / Eastern (509)329-3400 / Northwest (425)649-7000 / Southwest (360)407-6300

SITE INFORMATION

OWNER INFORMATION

(this form will be returned to this address)

Tag or UBI number

Site Name

19806-19804 Aurora Ave N.

Site Physical Address

Shoreline WA 98133

City

Zip Code

Ken Kettel, PE #425-455-9720

Site Phone Number Cell # 206-423-1408

City of Shoreline

UST Owner/Operator

17500 Midvale Ave N

Mailing Address/PO Box

Shoreline WA 98133

City

Zip Code

* NYTASHA Sowers / 206-801-2483

Owner/Operator Phone Number

* NSOWERS@SHORELINEWA.GOV

Owner/Operator Email Address

TANK INFORMATION

Tank ID	Substance Stored	Capacity	Date Project is Expected to Begin	Comments:
1	Waste oil	3,000 gal	August 2015	Total of 6 UST's. Abandoned
2	Waste Oil	3,000 gal		
3	Diesel	3,000 gal		
4	Diesel	3,000 gal		
5 & 6 - Diesel		3,000 gal & 3,000 gallon		

1) SERVICE PROVIDER INFORMATION - check the appropriate boxes

PLEASE NOTE: INDIVIDUALS PERFORMING UST SERVICES MUST BE ICC CERTIFIED OR HAVE PASSED ANOTHER QUALIFYING EXAM APPROVED BY THE DEPARTMENT OF ECOLOGY.

Installer Decommissioner Site Assessor

Service Provider Company Name

DIANE'S TANK REMOVAL

Certified Service Provider Name

ICC Certification # 8057526-42 & 47

Diane Kamacho

Contact Person

206-510-9497

Contact Phone Number

DianesTank@hotmail.com

Contact Email Address

2) SERVICE PROVIDER INFORMATION (REQUIRED IF USING MORE THAN ONE PROVIDER) - check the appropriate boxes

Installer Decommissioner Site Assessor

Service Provider Company Name

Contact Person

Certified Service Provider Name

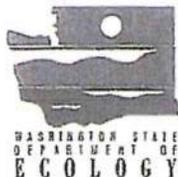
Contact Phone Number

ICC Certification #

Contact Email Address

Underground Storage Tank Decommissioning Certificates

2



UNDERGROUND STORAGE TANK Closure and Site Assessment Notice

FOR OFFICE USE ONLY

Site ID #: _____

Facility Site ID #: _____

See back of form for instructions

Please the appropriate box(es)

- Temporary Tank Closure Change-In-Service Permanent Tank Closure Site Check/Site Assessment

Site Information

Owner Information

Site ID Number _____
(Available from Ecology if the tanks are registered)

UST Owner/Operator City of Shoreline

Site/Business Name Gunderson Property
Street

Mailing Address 17500 Midvale Ave N
Street

Site Address 19806 - 19804 Aurora Ave N.

City/State Shoreline WA

City/State Shoreline WA 98133
P.O. Box

Zip Code 98133 Telephone (425) 485-9720

Zip Code _____ Telephone (206) 801-2482

Owners Signature *[Signature]* (NYRASHA SOWERS)

Tank Closure/Change-In-Service Company

Service Company Diane's Tank Removal Services LLC

Certified Supervisor Diane Kamada Decommissioning Certification No. 8057526-U2

Supervisor's Signature *[Signature]* Date 10-20-2015

Address 18720 Sound View Pl P.O. Box 99938 Seattle WA 98197
Street P.O. Box

Edmonds WA 98020 Telephone (206) 516-9497
City State Zip Code

Site Check/Site Assessor

Certified Site Assessor Landau & Associates Dillon Frazer

Address _____
Street P.O. Box

_____ Telephone () _____
City State Zip Code

Tank Information

Contamination Present at the Time of Closure

Tank ID	Closure Date	Closure Method	Tank Capacity	Substance Stored
1	9/28/15	Removal	3,000	Gasoline
2	"	"	3,000	Diesel
3	"	"	3,000	Gasoline
4	10/7/15	"	3,000	Unknown (Concrete)
5	"	"	3,000	Gasoline
6	10/9/15	Removal	300	Waste Oil

Yes No Unknown
Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

Yes No
If contamination is present, has the release been reported to the appropriate regional office?

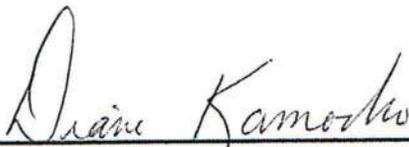
To receive this document in an alternative format, contact the Toxics Cleanup Program at 360-407-7170 (voice) or 1-800-833-6388 OR 711 (TTY)

TANK DECOMMISSIONING CERTIFICATE

RE: DECOMMISSION UNDERGROUND FUEL
STORAGE TANK AT: *19804 & 19806 Aurora
Ave North, Shoreline, Washington (Gunderson Property)*

This is to certify that Diane's Tank Removal Services, LLC, decommissioned one 300 gallon underground waste oil storage tank on October 9, 2015. The waste oil underground storage tank was pumped, rinsed and removed. The tank was properly decommissioned, pursuant to the codes, rules and guidelines established by local and state law.

Dated: October 20, 2015



Diane M Kamacho – ICC# 8057526-U2
P.O. Box 77738
Seattle, WA 98177 206-510-9497

TANK DECOMMISSIONING CERTIFICATE

RE: DECOMMISSION UNDERGROUND FUEL
STORAGE TANKS AT: *19804 & 19806 Aurora
Ave North, Shoreline, Washington (Gunderson Property)*

This is to certify that Diane's Tank Removal Services, LLC, decommissioned one 3,000 gallon underground fuel storage tank (previously filled with concrete) and one 3,000 gallon underground gasoline storage tank, on October 7, 2015. The gasoline underground storage tank was pumped, rinsed and removed. The concrete filled underground storage tank was also removed. The tanks were properly decommissioned, pursuant to the codes, rules and guidelines established by local and state law.

Dated: October 20, 2015



Diane M Kamacho – ICC# 8057526-U2
P.O. Box 77738
Seattle, WA 98177 206-510-9497

TANK DECOMMISSIONING CERTIFICATE

RE: DECOMMISSION UNDERGROUND FUEL
STORAGE TANKS AT: *19804 & 19806 Aurora
Ave North, Shoreline, Washington (Gunderson Property)*

This is to certify that Diane's Tank Removal Services, LLC, decommissioned one 3,000 gallon underground diesel fuel storage tank and two 3,000 gallon underground gasoline storage tanks on September 28, 2015. The tanks were pumped, rinsed and removed. The tanks were properly decommissioned, pursuant to the codes, rules and guidelines established by local and state law.

Dated: October 20, 2015



Diane M Kamacho – ICC# 8057526-U2

P.O. Box 77738

Seattle, WA 98177

206-510-9497

SOUND TESTING, INC.

P.O. BOX 16204 SEATTLE, WA 98116

(206) 932-0206 FAX (206) 937-3848

WWW.SOUNDTESTINGINC.COM

MARINE CHEMIST CERTIFICATE

SERIAL NO: 46597

DIANE'S TANK REMOVAL

DIANE'S TANK

14 OCT 15

Survey Requested by

Vessel Owner or Agent

Date

UST'S

UST

LYNNWOOD YARD

Vessel

Type of Vessel

Specific Location of Vessel

UNZ GASOLINE X 3

VISUAL, OXYGEN

1601 HRS

Last Three (3) Loadings

Tests Performed

Time Survey Completed

1500 HRS

4 TANKS

ENTERED WITH CO2 AND SECURED (O2 = 5.0%)

SAFE FOR LIMITED HOT WORK LIMITATIONS:

- ① CHEMIST WILL MONITOR
- ② HOT WORK COMPLETE AT 1601 HRS

John V. Veer

In the event of changes adversely affecting conditions in the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

Qualifications: Manipulation of valves or devices tending to alter conditions in pipe lines or tanks noted above, unless specifically approved in this certificate, will require re-inspection and a new Certificate for spaces so affected. All piping, heating coils, pumps and floating roof gaskets attached to or contained within spaces listed above shall be considered "NOT SAFE" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS

(These detail the minimum conditions for Safe Entry and Hot Work.) The Marine Chemist may request additional measures if workplace conditions so dictate.

ATMOSPHERE SAFE FOR WORKERS means that in a space (a) the oxygen content is between 19.5% and 22% by volume, and (b) combustible gas is less than 10% of the Lower Explosive Limit, and (c) airborne toxic materials are within permissible concentrations as listed in OSHA's Subpart Z or in ACGIH's current list of Threshold Limit Values.

SAFE FOR HOT WORK means that (a) oxygen within the space is less than 22% by volume; and (b) the combustible gas is less than 10% of the Lower Explosive Limit; and (c) cargo residues within the space will not combust during hot work; and (d) pipes that can deliver hazardous materials to the workspace have been separated, blanked, or locked out, and nearby hazardous spaces have been evaluated and noted on the certificate.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

"The undersigned acknowledges receipt of this Certificate and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed _____ Name

DIANE'S 14 OCT 15

Signed _____ Marine Chemist

4688 Certificate No

SOUND TESTING, INC.

P.O. BOX 16204 SEATTLE, WA 98116
(206) 932-0206 FAX (206) 937-3848
WWW.SOUNDTESTINGINC.COM

MARINE CHEMIST CERTIFICATE

SERIAL NO 46580

SEPTEMBER 29, 2015
Date

DIANE'S TANK REMOVAL

Survey Requested by

Vessel Owner or Agent

UST

UST

198DU AURORA

Vessel

Type of Vessel

Specific Location of Vessel

GASOLINE X3, DIESEL X3

O₂

9:15 AM

Last Three (3) Loadings

Tests Performed

Time Survey Completed

TANK N^o 1 ~ 3,000g EX-GAS

SAFE FOR HOT WORK
EXCAVATION

TANK N^o 2 ~ 3,000g EX-DIESEL

SAFE FOR
TRANSPORTATION

TANK N^o 3 ~ 3,000g EX-GAS

KEEP HOLES/VENTS & PIPES CLOSED/PLUGGED TO
PREVENT CO₂ FROM ESCAPING.

In the event of changes adversely affecting conditions in the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

Qualifications: Manipulation of valves or devices tending to alter conditions in pipe lines or tanks noted above, unless specifically approved in this certificate, will require re-inspection and a new Certificate for spaces so affected. All piping, heating coils, pumps and floating roof gaskets attached to or contained within spaces listed above shall be considered "NOT SAFE" unless otherwise specifically designated.

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(These detail the minimum conditions for Safe Entry and Hot Work.) The Marine Chemist may request additional measures if workplace conditions so dictate.

ATMOSPHERE SAFE FOR WORKERS means that in a space (a) the oxygen content is between 19.5% and 22% by volume, and (b) combustible gas is less than 10% of the Lower Explosive Limit, and (c) airborne toxic materials are within permissible concentrations as listed in OSHA's Subpart Z or in ACGIH's current list of Threshold Limit Values.

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NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

"The undersigned acknowledges receipt of this Certificate and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed

[Signature]
Name

DIANE'S
TANK
Company

9/28/15
Date

Signed

[Signature]
Marine Chemist

N^o 706
Certificate No.

Selected Site Photographs



1. UST-1, UST-2, and UST-3 excavation and removal, looking north.



2. UST-5 decommissioning, looking southwest.

01/18/16 P:\122\023\070\Appendix C\Aurora-Gunderson UST Site Assessment_apc-1.docx



3. UST-6 excavation, looking southeast.

Laboratory Analytical Reports



September 22, 2015

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On September 21st, 1 sample was received by our laboratory and assigned our laboratory project number EV15090127. The project was identified as your Gunderson UST / 122023.070.071. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	9/22/2015
		ALS JOB#:	EV15090127
CLIENT CONTACT:	Dylan Frazer	ALS SAMPLE#:	EV15090127-01
CLIENT PROJECT:	Gunderson UST / 122023.070.071	DATE RECEIVED:	09/21/2015
CLIENT SAMPLE ID	S1-092115	COLLECTION DATE:	9/21/2015 8:25:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	3900	300	100	MG/KG	09/21/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	330	25	1	MG/KG	09/21/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	09/21/2015	EBS
Lead	EPA-6020	27	0.50	5	MG/KG	09/22/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 100X Dilution	NWTPH-GX	3360 GS2	09/21/2015	PAB
C25	NWTPH-DX w/ SGA	94.3	09/21/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
 GS2 - Surrogate outside of control limits due to dilution.
 Chromatogram indicates that it is likely that sample contains weathered gasoline and weathered diesel.
 Diesel range product results biased high due to gasoline range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE: 9/22/2015 ALS SDG#: EV15090127 WDOE ACCREDITATION: C601
CLIENT CONTACT:	Dylan Frazer	
CLIENT PROJECT:	Gunderson UST / 122023.070.071	

LABORATORY BLANK RESULTS

MBG-091715S2 - Batch 97181 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U		MG/KG	3.0	09/17/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-091715S - Batch 97179 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U		MG/KG	25	09/17/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX	U		MG/KG	50	09/17/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-092115S - Batch 97322 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-6020	U		MG/KG	0.10	09/22/2015	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 9/22/2015
130 - 2nd Ave. S. ALS SDG#: EV15090127
Edmonds, WA 98020 WDOE ACCREDITATION: C601
CLIENT CONTACT: Dylan Frazer
CLIENT PROJECT: Gunderson UST / 122023.070.071

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 97181 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12) - BS	NWTPH-GX	88.4			09/17/2015	PAB
TPH-Volatile Range (C7-C12) - BSD	NWTPH-GX	85.0	4		09/17/2015	PAB

ALS Test Batch ID: 97179 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	106			09/17/2015	EBS
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	96.2	10		09/17/2015	EBS

ALS Test Batch ID: 97322 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-6020	95.9			09/22/2015	RAL
Lead - BSD	EPA-6020	97.5	2		09/22/2015	RAL

APPROVED BY

Laboratory Director

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates

ALS Job #: EV15090127

Project: Gunderson UST / 122023.070.071

Received Date: 9/21/15 Received Time: 11:30 am By: su

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express Patrick

	Yes	No	N/A
Were custody seals on outside of sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, how many? <u>1</u> Where? <u>outside top cooler</u>			
Custody seal date: <u>9/21/15</u> Seal name: <u>Landau</u>			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

Sample Number	Reagent	Analyte
_____	_____	_____
_____	_____	_____
_____	_____	_____

*Received per
S035 high kit.*

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: _____

Temperature of cooler upon receipt: 10.2°c on ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



- Seattle/Edmonds (425) 778-0907
- Tacoma (253) 926-2493
- Spokane (509) 327-9737
- Portland (503) 542-1080
-

Chain-of-Custody Record

EV15090127

Date 9/2/15

Page 1 of 1

Project Name <u>Grunderson UST</u> Project No. <u>122023.070.071</u>					Testing Parameters										Turnaround Time <input type="checkbox"/> Standard <input type="checkbox"/> Accelerated <input checked="" type="checkbox"/> ASAP				
Project Location/Event <u>Shoreline, WA / Characterization Samples</u>					<u>NWTPH-Gx</u> <u>NWTPH-Dx</u> <u>Pb (EPA 6010)</u>														
Sampler's Name <u>Celene Blair</u>																			
Project Contact <u>Dylan Frazer</u>																			
Send Results To <u>Dylan Frazer, Tim Syverson, Kristi Shultz</u>																			
Sample I.D.	Date	Time	Matrix	No. of Containers															Observations/Comments
<u>51-092115</u>	<u>9/2/15</u>	<u>0825</u>	<u>Soil</u>	<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>												<input checked="" type="checkbox"/> Allow water samples to settle, collect aliquot from clear portion <input checked="" type="checkbox"/> NWTPH-Dx - run acid wash silica gel cleanup <input type="checkbox"/> Analyze for EPH if no specific product identified VOC/BTEX/VPH (soil): <input type="checkbox"/> non-preserved <input type="checkbox"/> preserved w/methanol <input type="checkbox"/> preserved w/sodium bisulfate <input type="checkbox"/> Freeze upon receipt <input type="checkbox"/> Dissolved metal water samples field filtered Other _____ _____ _____ _____

Special Shipment/Handling or Storage Requirements <u>on ice</u>	Method of Shipment <u>pick up</u>
---	-----------------------------------

Relinquished by Signature <u>Celene Blair</u> Printed Name <u>Celene Blair</u> Company <u>Landau Associates</u> Date <u>9/2/15</u> Time <u>0905</u>	Received by Signature <u>Shawn Robinson</u> Printed Name <u>Shawn Robinson</u> Company <u>ALS</u> Date <u>9/2/15</u> Time <u>11:30am</u>	Relinquished by Signature _____ Printed Name _____ Company _____ Date _____ Time _____	Received by Signature _____ Printed Name _____ Company _____ Date _____ Time _____
--	---	---	---



September 30, 2015

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On September 29th, 7 samples were received by our laboratory and assigned our laboratory project number EV15090186. The project was identified as your Gunderson USTs / 122023.070.071. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	9/30/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15090186
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	ALS SAMPLE#:	EV15090186-01
CLIENT SAMPLE ID	BS-1	DATE RECEIVED:	09/29/2015
		COLLECTION DATE:	9/29/2015 12:20:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	09/30/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	09/30/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/30/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	09/30/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	09/30/2015	EBS
Lead	EPA-6020	2.4	0.50	5	MG/KG	09/30/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	77.2	09/30/2015	PAB
TFT	EPA-8021	85.1	09/30/2015	PAB
C25	NWTPH-DX w/ SGA	93.1	09/30/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	9/30/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15090186
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	ALS SAMPLE#:	EV15090186-02
CLIENT SAMPLE ID	SW-1	DATE RECEIVED:	09/29/2015
		COLLECTION DATE:	9/29/2015 12:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	09/30/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	09/30/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/30/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	09/30/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	09/30/2015	EBS
Lead	EPA-6020	7.0	0.50	5	MG/KG	09/30/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	78.9	09/30/2015	PAB
TFT	EPA-8021	85.1	09/30/2015	PAB
C25	NWTPH-DX w/ SGA	97.9	09/30/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	9/30/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15090186
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	ALS SAMPLE#:	EV15090186-03
CLIENT SAMPLE ID	SW-2	DATE RECEIVED:	09/29/2015
		COLLECTION DATE:	9/29/2015 12:50:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	4.2	3.0	1	MG/KG	09/30/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	09/30/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Xylenes	EPA-8021	0.30	0.20	1	MG/KG	09/30/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	09/30/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	09/30/2015	EBS
Lead	EPA-6020	3.0	0.50	5	MG/KG	09/30/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	84.6	09/30/2015	PAB
TFT	EPA-8021	90.5	09/30/2015	PAB
C25	NWTPH-DX w/ SGA	89.7	09/30/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	9/30/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15090186
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	ALS SAMPLE#:	EV15090186-04
CLIENT SAMPLE ID	SW-3	DATE RECEIVED:	09/29/2015
		COLLECTION DATE:	9/29/2015 1:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	09/30/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	09/30/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/30/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	09/30/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	09/30/2015	EBS
Lead	EPA-6020	3.5	0.50	5	MG/KG	09/30/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	87.5	09/30/2015	PAB
TFT	EPA-8021	94.9	09/30/2015	PAB
C25	NWTPH-DX w/ SGA	92.3	09/30/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	9/30/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15090186
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	ALS SAMPLE#:	EV15090186-05
CLIENT SAMPLE ID	SW-4	DATE RECEIVED:	09/29/2015
		COLLECTION DATE:	9/29/2015 1:20:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	09/30/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	09/30/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/30/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	09/30/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	09/30/2015	EBS
Lead	EPA-6020	2.6	0.50	5	MG/KG	09/30/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	92.2	09/30/2015	PAB
TFT	EPA-8021	93.0	09/30/2015	PAB
C25	NWTPH-DX w/ SGA	101	09/30/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	9/30/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15090186
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	ALS SAMPLE#:	EV15090186-06
CLIENT SAMPLE ID	P-1	DATE RECEIVED:	09/29/2015
		COLLECTION DATE:	9/29/2015 1:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	09/30/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	09/30/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/30/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	36	1	MG/KG	09/30/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	310	50	1	MG/KG	09/30/2015	EBS
Lead	EPA-6020	11	0.50	5	MG/KG	09/30/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	95.8	09/30/2015	PAB
TFT	EPA-8021	95.6	09/30/2015	PAB
C25	NWTPH-DX w/ SGA	101	09/30/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.
 Chromatogram indicates that it is likely that sample contains lube oil.
 Diesel range product reporting limits raised due to motor oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	9/30/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15090186
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	ALS SAMPLE#:	EV15090186-07
CLIENT SAMPLE ID	SW-5	DATE RECEIVED:	09/29/2015
		COLLECTION DATE:	9/29/2015 2:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	09/30/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	09/30/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/30/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	09/30/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	09/30/2015	EBS
Lead	EPA-6020	3.0	0.50	5	MG/KG	09/30/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	85.3	09/30/2015	PAB
TFT	EPA-8021	90.2	09/30/2015	PAB
C25	NWTPH-DX w/ SGA	104	09/30/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE: 9/30/2015 ALS SDG#: EV15090186 WDOE ACCREDITATION: C601
CLIENT CONTACT:	Dylan Frazer	
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	

LABORATORY BLANK RESULTS

MBG-092815S - Batch 97527 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U		MG/KG	3.0	09/29/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-092815S - Batch 97527 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U		MG/KG	0.030	09/29/2015	PAB
Toluene	EPA-8021	U		MG/KG	0.050	09/29/2015	PAB
Ethylbenzene	EPA-8021	U		MG/KG	0.050	09/29/2015	PAB
Xylenes	EPA-8021	U		MG/KG	0.20	09/29/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-092915S - Batch 97605 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U		MG/KG	25	09/29/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX	U		MG/KG	50	09/29/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-093015S - Batch 97619 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-6020	U		MG/KG	0.10	09/30/2015	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	9/30/2015
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV15090186
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 97527 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12) - BS	NWTPH-GX	98.8			09/29/2015	PAB
TPH-Volatile Range (C7-C12) - BSD	NWTPH-GX	97.2	2		09/29/2015	PAB

ALS Test Batch ID: 97527 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	84.5			09/29/2015	PAB
Benzene - BSD	EPA-8021	82.0	3		09/29/2015	PAB
Toluene - BS	EPA-8021	87.7			09/29/2015	PAB
Toluene - BSD	EPA-8021	85.7	2		09/29/2015	PAB
Ethylbenzene - BS	EPA-8021	96.3			09/29/2015	PAB
Ethylbenzene - BSD	EPA-8021	93.1	3		09/29/2015	PAB
Xylenes - BS	EPA-8021	95.2			09/29/2015	PAB
Xylenes - BSD	EPA-8021	91.6	4		09/29/2015	PAB

ALS Test Batch ID: 97605 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	109			09/30/2015	EBS
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	108	1		09/30/2015	EBS

ALS Test Batch ID: 97619 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-6020	100			09/30/2015	RAL
Lead - BSD	EPA-6020	101	0		09/30/2015	RAL

APPROVED BY

Laboratory Director

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landan Associates

ALS Job #: EV15090186

Project: Gunderson USTs

Received Date: 9/29/15 Received Time: 4:00 By: RS

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier ALS Hand Delivered
FedEx Express

	Yes	No	N/A
Were custody seals on outside of sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, how many? <u>1</u> Where? <u>Top</u>			
Custody seal date: <u>9/29/15</u> Seal name: <u>Landan Associates</u>			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following: Per 5035 low kits

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Were VOA vials checked for absence of air bubbles?
Bubbles present in sample #: _____

Temperature of cooler upon receipt: 5.9°C on Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



October 1, 2015

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On September 30th, 3 samples were received by our laboratory and assigned our laboratory project number EV15090191. The project was identified as your Gunderson USTs / 122023.070.071. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/1/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15090191
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	ALS SAMPLE#:	EV15090191-01
CLIENT SAMPLE ID:	BS-2	DATE RECEIVED:	09/30/2015
		COLLECTION DATE:	9/30/2015 8:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	09/30/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	09/30/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/30/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	09/30/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	09/30/2015	EBS
Lead	EPA-6020	2.3	0.50	5	MG/KG	09/30/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	102	09/30/2015	PAB
TFT	EPA-8021	103	09/30/2015	PAB
C25	NWTPH-DX w/ SGA	88.3	09/30/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/1/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15090191
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	ALS SAMPLE#:	EV15090191-02
CLIENT SAMPLE ID	BS-3	DATE RECEIVED:	09/30/2015
		COLLECTION DATE:	9/30/2015 9:15:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	09/30/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	09/30/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/30/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	09/30/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	09/30/2015	EBS
Lead	EPA-6020	2.1	0.50	5	MG/KG	09/30/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	101	09/30/2015	PAB
TFT	EPA-8021	99.6	09/30/2015	PAB
C25	NWTPH-DX w/ SGA	96.2	09/30/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/1/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15090191
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	ALS SAMPLE#:	EV15090191-03
CLIENT SAMPLE ID	SW-6	DATE RECEIVED:	09/30/2015
		COLLECTION DATE:	9/30/2015 9:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	09/30/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	09/30/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/30/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/30/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	09/30/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	09/30/2015	EBS
Lead	EPA-6020	4.4	0.50	5	MG/KG	09/30/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	104	09/30/2015	PAB
TFT	EPA-8021	98.9	09/30/2015	PAB
C25	NWTPH-DX w/ SGA	82.3	09/30/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/1/2015
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV15090191
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-092815S - Batch 97527 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U		MG/KG	3.0	09/29/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-092815S - Batch 97527 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U		MG/KG	0.030	09/29/2015	PAB
Toluene	EPA-8021	U		MG/KG	0.050	09/29/2015	PAB
Ethylbenzene	EPA-8021	U		MG/KG	0.050	09/29/2015	PAB
Xylenes	EPA-8021	U		MG/KG	0.20	09/29/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-092915S - Batch 97605 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U		MG/KG	25	09/29/2015	EBS
TPH-Oil Range (C24-C40)	NWTPH-DX	U		MG/KG	50	09/29/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-093015S - Batch 97619 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-6020	U		MG/KG	0.10	09/30/2015	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/1/2015
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV15090191
CLIENT PROJECT:	Gunderson USTs / 122023.070.071	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 97527 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12) - BS	NWTPH-GX	98.8			09/29/2015	PAB
TPH-Volatile Range (C7-C12) - BSD	NWTPH-GX	97.2	2		09/29/2015	PAB

ALS Test Batch ID: 97527 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	84.5			09/29/2015	PAB
Benzene - BSD	EPA-8021	82.0	3		09/29/2015	PAB
Toluene - BS	EPA-8021	87.7			09/29/2015	PAB
Toluene - BSD	EPA-8021	85.7	2		09/29/2015	PAB
Ethylbenzene - BS	EPA-8021	96.3			09/29/2015	PAB
Ethylbenzene - BSD	EPA-8021	93.1	3		09/29/2015	PAB
Xylenes - BS	EPA-8021	95.2			09/29/2015	PAB
Xylenes - BSD	EPA-8021	91.6	4		09/29/2015	PAB

ALS Test Batch ID: 97605 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	109			09/30/2015	EBS
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	108	1		09/30/2015	EBS

ALS Test Batch ID: 97619 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-6020	100			09/30/2015	RAL
Lead - BSD	EPA-6020	101	0		09/30/2015	RAL

APPROVED BY

Laboratory Director



October 9, 2015

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On October 7th, 8 samples were received by our laboratory and assigned our laboratory project number EV15100043. The project was identified as your Gunderson UST - 122023.070. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/9/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100043
CLIENT PROJECT:	Gunderson UST - 122023.070	ALS SAMPLE#:	EV15100043-01
CLIENT SAMPLE ID	BS-4	DATE RECEIVED:	10/07/2015
		COLLECTION DATE:	10/7/2015 1:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	10/08/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	10/08/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	10/08/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	10/08/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	10/08/2015	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	83.7	10/08/2015	PAB
TFT	EPA-8021	95.4	10/08/2015	PAB
C25	NWTPH-DX w/ SGA	97.6	10/08/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/9/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100043
CLIENT PROJECT:	Gunderson UST - 122023.070	ALS SAMPLE#:	EV15100043-02
CLIENT SAMPLE ID	BS-5	DATE RECEIVED:	10/07/2015
		COLLECTION DATE:	10/7/2015 1:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	10/08/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	10/08/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	10/08/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	10/08/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	10/08/2015	DLC
Lead	EPA-6020	5.6	0.50	5	MG/KG	10/08/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	78.0	10/08/2015	PAB
TFT	EPA-8021	86.0	10/08/2015	PAB
C25	NWTPH-DX w/ SGA	93.4	10/08/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/9/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100043
CLIENT PROJECT:	Gunderson UST - 122023.070	ALS SAMPLE#:	EV15100043-03
CLIENT SAMPLE ID	SW-7	DATE RECEIVED:	10/07/2015
		COLLECTION DATE:	10/7/2015 1:20:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	10/08/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	10/08/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	10/08/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	10/08/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	10/08/2015	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	78.3	10/08/2015	PAB
TFT	EPA-8021	83.6	10/08/2015	PAB
C25	NWTPH-DX w/ SGA	90.5	10/08/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/9/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100043
CLIENT PROJECT:	Gunderson UST - 122023.070	ALS SAMPLE#:	EV15100043-04
CLIENT SAMPLE ID	SW-8	DATE RECEIVED:	10/07/2015
		COLLECTION DATE:	10/7/2015 1:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	10/08/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	10/08/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	10/08/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	10/08/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	94	50	1	MG/KG	10/08/2015	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	111	10/08/2015	PAB
TFT	EPA-8021	118	10/08/2015	PAB
C25	NWTPH-DX w/ SGA	103	10/08/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains lube oil.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/9/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100043
CLIENT PROJECT:	Gunderson UST - 122023.070	ALS SAMPLE#:	EV15100043-05
CLIENT SAMPLE ID	SP-1	DATE RECEIVED:	10/07/2015
		COLLECTION DATE:	10/7/2015 1:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	10/08/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	10/08/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	10/08/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	10/08/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	10/08/2015	DLC
Lead	EPA-6020	12	0.50	5	MG/KG	10/08/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	102	10/08/2015	PAB
TFT	EPA-8021	110	10/08/2015	PAB
C25	NWTPH-DX w/ SGA	111	10/08/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/9/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100043
CLIENT PROJECT:	Gunderson UST - 122023.070	ALS SAMPLE#:	EV15100043-06
CLIENT SAMPLE ID	SP-2	DATE RECEIVED:	10/07/2015
		COLLECTION DATE:	10/7/2015 1:50:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	10/08/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	10/08/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	10/08/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	10/08/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	10/08/2015	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	101	10/08/2015	PAB
TFT	EPA-8021	97.9	10/08/2015	PAB
C25	NWTPH-DX w/ SGA	99.8	10/08/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/9/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100043
CLIENT PROJECT:	Gunderson UST - 122023.070	ALS SAMPLE#:	EV15100043-07
CLIENT SAMPLE ID	SP-3	DATE RECEIVED:	10/07/2015
		COLLECTION DATE:	10/7/2015 2:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U	3.0	1	MG/KG	10/08/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	10/08/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	10/08/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	10/08/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	25	1	MG/KG	10/08/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	10/08/2015	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	113	10/08/2015	PAB
TFT	EPA-8021	109	10/08/2015	PAB
C25	NWTPH-DX w/ SGA	93.2	10/08/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/9/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100043
CLIENT PROJECT:	Gunderson UST - 122023.070	ALS SAMPLE#:	EV15100043-08
CLIENT SAMPLE ID	UST-4	DATE RECEIVED:	10/07/2015
		COLLECTION DATE:	10/7/2015 12:50:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	2300	300	100	MG/KG	10/08/2015	PAB
Benzene	EPA-8021	U	3.0	100	MG/KG	10/08/2015	PAB
Toluene	EPA-8021	U	5.0	100	MG/KG	10/08/2015	PAB
Ethylbenzene	EPA-8021	U	5.0	100	MG/KG	10/08/2015	PAB
Xylenes	EPA-8021	31	20	100	MG/KG	10/08/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	U	110	1	MG/KG	10/08/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	U	50	1	MG/KG	10/08/2015	DLC
Lead	EPA-6020	26	0.50	5	MG/KG	10/08/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 100X Dilution	NWTPH-GX	541 GS2	10/08/2015	PAB
TFT 100X Dilution	EPA-8021	74.0	10/08/2015	PAB
C25	NWTPH-DX w/ SGA	102	10/08/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
 GS2 - Surrogate outside of control limits due to dilution.
 Chromatogram indicates that it is likely that sample contains extremely weathered gasoline.
 Diesel range product reporting limits raised due to volatile range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE: 10/9/2015 ALS SDG#: EV15100043 WDOE ACCREDITATION: C601
CLIENT CONTACT:	Dylan Frazer	
CLIENT PROJECT:	Gunderson UST - 122023.070	

LABORATORY BLANK RESULTS

MB-100615S3 - Batch 97831 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U		MG/KG	3.0	10/06/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-100615S3 - Batch 97831 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U		MG/KG	0.030	10/06/2015	PAB
Toluene	EPA-8021	U		MG/KG	0.050	10/06/2015	PAB
Ethylbenzene	EPA-8021	U		MG/KG	0.050	10/06/2015	PAB
Xylenes	EPA-8021	U		MG/KG	0.20	10/06/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-100615S - Batch 97790 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U		MG/KG	25	10/06/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX	U		MG/KG	50	10/06/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-100815S - Batch 97882 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-6020	U		MG/KG	0.10	10/08/2015	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/9/2015
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV15100043
CLIENT PROJECT:	Gunderson UST - 122023.070	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 97831 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12) - BS	NWTPH-GX	81.6			10/06/2015	PAB
TPH-Volatile Range (C7-C12) - BSD	NWTPH-GX	83.0	2		10/06/2015	PAB

ALS Test Batch ID: 97831 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	77.6			10/06/2015	PAB
Benzene - BSD	EPA-8021	82.0	6		10/06/2015	PAB
Toluene - BS	EPA-8021	80.3			10/06/2015	PAB
Toluene - BSD	EPA-8021	83.0	3		10/06/2015	PAB
Ethylbenzene - BS	EPA-8021	78.7			10/06/2015	PAB
Ethylbenzene - BSD	EPA-8021	82.0	4		10/06/2015	PAB
Xylenes - BS	EPA-8021	77.7			10/06/2015	PAB
Xylenes - BSD	EPA-8021	80.8	4		10/06/2015	PAB

ALS Test Batch ID: 97790 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	105			10/06/2015	DLC
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	101	4		10/06/2015	DLC

ALS Test Batch ID: 97882 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-6020	94.1			10/08/2015	RAL
Lead - BSD	EPA-6020	98.0	4		10/08/2015	RAL

APPROVED BY

Laboratory Director



- Seattle/Edmonds (425) 778-0907
- Tacoma (253) 926-2493
- Spokane (509) 327-9737
- Portland (503) 542-1080
- _____

Chain-of-Custody Record

EV15100043

Date 10/7/15

Page 1 of 1

Project Name GORDONSON OST Project No. 12023.070

Project Location/Event SHAWNEE, WA / CONCRETE SAMPLE

Sampler's Name Drew Frazier

Project Contact Drew Frazier, ANNE HANSEN

Send Results To Drew Frazier, ANNE HANSEN

Turnaround Time
 Standard
 Accelerated
 ASAP

Sample I.D.	Date	Time	Matrix	No. of Containers	Testing Parameters				Observations/Comments
					NWTPH-Dx	NWTPH-G	LEAD	BTEX	
1 BS-4	10/7/15	1300	SOIL	4	X	X	X		X Allow water samples to settle, collect aliquot from clear portion X NWTPH-Dx - run acid wash silica gel cleanup Analyze for EPH if no specific product identified VOC/BTEX/VPH (soil): X non-preserved X preserved w/methanol ___ preserved w/sodium bisulfate ___ Freeze upon receipt ___ Dissolved metal water samples field filtered Other <u>SAME USED SAMPLE FOR POTENTIAL FOLLOW UP</u> <u>ELEVATED PID READINGS ON "UST-4" SAMPLE</u> <u>UST-4 - USED CRUSTED METALLIC FILLS, CRUST IN</u> <u>LAND IF ADDITIONAL MATERIAL IS NEEDED</u>
2 BS-5		1310			X	X	X	X	
3 SW-7		1320			X	X	X		
4 SW-8		1330			X	X	X		
5 SP-1		1340			X	X	X		
6 SP-2		1350			X	X	X		
7 SP-3		1400			X	X	X		
8 UST-4		1450	CONCRETE		X	X	X	X	
DTP P-1		1410							

Special Shipment/Handling or Storage Requirements 1 cooler on ICE

Method of Shipment ALS P/U

Relinquished by

Signature [Signature]

Printed Name Drew Frazier

Company LANDAU

Date 10/7/15 Time 16:30

Received by

Signature [Signature]

Printed Name Rick Bajer

Company ALS

Date 10-7-15 Time 16:30

Relinquished by

Signature _____

Printed Name _____

Company _____

Date _____ Time _____

Received by

Signature _____

Printed Name _____

Company _____

Date _____ Time _____



October 13, 2015

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On October 12th, 1 sample was received by our laboratory and assigned our laboratory project number EV15100066. The project was identified as your Gunderson UST / 122023.070.071. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/13/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100066
CLIENT PROJECT:	Gunderson UST / 122023.070.071	ALS SAMPLE#:	EV15100066-01
CLIENT SAMPLE ID	UST-6	DATE RECEIVED:	10/12/2015
		COLLECTION DATE:	10/9/2015 3:45:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	480	30	10	MG/KG	10/12/2015	PAB
Benzene	EPA-8021	0.92	0.30	10	MG/KG	10/12/2015	PAB
Toluene	EPA-8021	7.0	0.50	10	MG/KG	10/12/2015	PAB
Ethylbenzene	EPA-8021	5.7	0.50	10	MG/KG	10/12/2015	PAB
Xylenes	EPA-8021	39	2.0	10	MG/KG	10/12/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	ND	87	1	MG/KG	10/12/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	4700	500	10	MG/KG	10/12/2015	DLC
Dichlorodifluoromethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Chloromethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Vinyl Chloride	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Bromomethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Chloroethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Carbon Tetrachloride	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Trichlorofluoromethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,1-Dichloroethene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Methylene Chloride	EPA-8260	ND	20	1	UG/KG	10/12/2015	DLC
Methyl T-Butyl Ether	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Trans-1,2-Dichloroethene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,1-Dichloroethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Cis-1,2-Dichloroethene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
2,2-Dichloropropane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Bromochloromethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Chloroform	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,1,1-Trichloroethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,1-Dichloropropene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,2-Dichloroethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Trichloroethene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,2-Dichloropropane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Dibromomethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Bromodichloromethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Trans-1,3-Dichloropropene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Cis-1,3-Dichloropropene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,1,2-Trichloroethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,3-Dichloropropane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Tetrachloroethylene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Dibromochloromethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,2-Dibromoethane	EPA-8260	ND	5.0	1	UG/KG	10/12/2015	DLC
Chlorobenzene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/13/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100066
CLIENT PROJECT:	Gunderson UST / 122023.070.071	ALS SAMPLE#:	EV15100066-01
CLIENT SAMPLE ID	UST-6	DATE RECEIVED:	10/12/2015
		COLLECTION DATE:	10/9/2015 3:45:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,1,1,2-Tetrachloroethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Bromoform	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,2,3-Trichloropropane	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Bromobenzene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
2-Chlorotoluene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
4-Chlorotoluene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,3-Dichlorobenzene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,4-Dichlorobenzene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,2-Dichlorobenzene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	ND	50	1	UG/KG	10/12/2015	DLC
1,2,4-Trichlorobenzene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Hexachlorobutadiene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
1,2,3-Trichlorobenzene	EPA-8260	ND	10	1	UG/KG	10/12/2015	DLC
Naphthalene	EPA-8270 SIM	4600	1000	50	UG/KG	10/13/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	6700	1000	50	UG/KG	10/13/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	4900	1000	50	UG/KG	10/13/2015	GAP
Benzo[A]Anthracene	EPA-8270 SIM	160	20	1	UG/KG	10/12/2015	GAP
Chrysene	EPA-8270 SIM	110	20	1	UG/KG	10/12/2015	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	ND	20	1	UG/KG	10/12/2015	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	ND	20	1	UG/KG	10/12/2015	GAP
Benzo[A]Pyrene	EPA-8270 SIM	ND	20	1	UG/KG	10/12/2015	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	ND	20	1	UG/KG	10/12/2015	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	ND	20	1	UG/KG	10/12/2015	GAP
PCB-1016	EPA-8082	ND	0.10	1	MG/KG	10/12/2015	GAP
PCB-1221	EPA-8082	ND	0.10	1	MG/KG	10/12/2015	GAP
PCB-1232	EPA-8082	ND	0.10	1	MG/KG	10/12/2015	GAP
PCB-1242	EPA-8082	ND	0.10	1	MG/KG	10/12/2015	GAP
PCB-1248	EPA-8082	ND	0.10	1	MG/KG	10/12/2015	GAP
PCB-1254	EPA-8082	ND	0.10	1	MG/KG	10/12/2015	GAP
PCB-1260	EPA-8082	ND	0.10	1	MG/KG	10/12/2015	GAP
PCB-1268	EPA-8082	ND	0.10	1	MG/KG	10/12/2015	GAP
Lead	EPA-6020	67	0.50	5	MG/KG	10/12/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	130	10/12/2015	PAB
TFT 10X Dilution	EPA-8021	101	10/12/2015	PAB
C25	NWTPH-DX w/ SGA	123	10/12/2015	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/13/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100066
CLIENT PROJECT:	Gunderson UST / 122023.070.071	ALS SAMPLE#:	EV15100066-01
CLIENT SAMPLE ID	UST-6	DATE RECEIVED:	10/12/2015
		COLLECTION DATE:	10/9/2015 3:45:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
C25 10X Dilution	NWTPH-DX w/ SGA	138 DS2	10/12/2015	DLC
1,2-Dichloroethane-d4	EPA-8260	106	10/12/2015	DLC
4-Bromofluorobenzene	EPA-8260	103	10/12/2015	DLC
Terphenyl-d14	EPA-8270 SIM	107	10/12/2015	GAP
Terphenyl-d14 50X Dilution	EPA-8270 SIM	112	10/13/2015	GAP
TCMX	EPA-8082	60.8	10/12/2015	GAP
DCB	EPA-8082	61.3	10/12/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.
 DS2 - Due to high dilution factor surrogate results should be considered uncontrolled.
 Chromatogram indicates that it is likely that sample contains weathered gasoline and lube oil.
 Diesel range reporting limit raised due to volatile and motor oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/13/2015
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV15100066
CLIENT PROJECT:	Gunderson UST / 122023.070.071	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-100915S - Batch 97930 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U		MG/KG	3.0	10/09/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-100915S - Batch 97930 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U		MG/KG	0.030	10/09/2015	PAB
Toluene	EPA-8021	U		MG/KG	0.050	10/09/2015	PAB
Ethylbenzene	EPA-8021	U		MG/KG	0.050	10/09/2015	PAB
Xylenes	EPA-8021	U		MG/KG	0.20	10/09/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-100915S - Batch 97952 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U		MG/KG	87	10/09/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX	U		MG/KG	50	10/09/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-101215S - Batch 97977 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U		UG/KG	10	10/12/2015	DLC
Chloromethane	EPA-8260	U		UG/KG	10	10/12/2015	DLC
Vinyl Chloride	EPA-8260	U		UG/KG	10	10/12/2015	DLC
Bromomethane	EPA-8260	U		UG/KG	10	10/12/2015	DLC
Chloroethane	EPA-8260	U		UG/KG	10	10/12/2015	DLC
Carbon Tetrachloride	EPA-8260	U		UG/KG	10	10/12/2015	DLC
Trichlorofluoromethane	EPA-8260	U		UG/KG	10	10/12/2015	DLC
1,1-Dichloroethene	EPA-8260	U		UG/KG	10	10/12/2015	DLC
Methylene Chloride	EPA-8260	U		UG/KG	20	10/12/2015	DLC
Methyl T-Butyl Ether	EPA-8260	U		UG/KG	10	10/12/2015	DLC
Trans-1,2-Dichloroethene	EPA-8260	U		UG/KG	10	10/12/2015	DLC
1,1-Dichloroethane	EPA-8260	U		UG/KG	10	10/12/2015	DLC
Cis-1,2-Dichloroethene	EPA-8260	U		UG/KG	10	10/12/2015	DLC
2,2-Dichloropropane	EPA-8260	U		UG/KG	10	10/12/2015	DLC
Bromochloromethane	EPA-8260	U		UG/KG	10	10/12/2015	DLC
Chloroform	EPA-8260	U		UG/KG	10	10/12/2015	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/13/2015
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV15100066
CLIENT PROJECT:	Gunderson UST / 122023.070.071	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-101215S - Batch 97977 - Soil by EPA-8260

1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,1-Dichloropropene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	10	10/12/2015	DLC
Trichloroethene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	10	10/12/2015	DLC
Dibromomethane	EPA-8260	U	UG/KG	10	10/12/2015	DLC
Bromodichloromethane	EPA-8260	U	UG/KG	10	10/12/2015	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
Toluene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,3-Dichloropropane	EPA-8260	U	UG/KG	10	10/12/2015	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
Dibromochloromethane	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	10/12/2015	DLC
Chlorobenzene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	10/12/2015	DLC
Bromoform	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,2,3-Trichloropropane	EPA-8260	U	UG/KG	10	10/12/2015	DLC
Bromobenzene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
2-Chlorotoluene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
4-Chlorotoluene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,3-Dichlorobenzene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,4-Dichlorobenzene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,2-Dichlorobenzene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	UG/KG	50	10/12/2015	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
Hexachlorobutadiene	EPA-8260	U	UG/KG	10	10/12/2015	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	UG/KG	10	10/12/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-100915S - Batch 97998 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U		UG/KG	20	10/12/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U		UG/KG	20	10/12/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U		UG/KG	20	10/12/2015	GAP
Benzo[A]Anthracene	EPA-8270 SIM	U		UG/KG	20	10/12/2015	GAP
Chrysene	EPA-8270 SIM	U		UG/KG	20	10/12/2015	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U		UG/KG	20	10/12/2015	GAP



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/13/2015
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV15100066
CLIENT PROJECT:	Gunderson UST / 122023.070.071	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-100915S - Batch 97998 - Soil by EPA-8270 SIM

Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	10/12/2015	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	10/12/2015	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	10/12/2015	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	10/12/2015	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	10/12/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-262978 - Batch R262978 - Soil by EPA-8082

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U		MG/KG	0.10	10/12/2015	GAP
PCB-1221	EPA-8082	U		MG/KG	0.10	10/12/2015	GAP
PCB-1232	EPA-8082	U		MG/KG	0.10	10/12/2015	GAP
PCB-1242	EPA-8082	U		MG/KG	0.10	10/12/2015	GAP
PCB-1248	EPA-8082	U		MG/KG	0.10	10/12/2015	GAP
PCB-1254	EPA-8082	U		MG/KG	0.10	10/12/2015	GAP
PCB-1260	EPA-8082	U		MG/KG	0.10	10/12/2015	GAP
PCB-1268	EPA-8082	U		MG/KG	0.10	10/12/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

MB-101215S - Batch 97964 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-6020	U		MG/KG	0.10	10/12/2015	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/13/2015
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV15100066
CLIENT PROJECT:	Gunderson UST / 122023.070.071	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 97930 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12) - BS	NWTPH-GX	87.3			10/09/2015	PAB
TPH-Volatile Range (C7-C12) - BSD	NWTPH-GX	87.8	1		10/09/2015	PAB

ALS Test Batch ID: 97930 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	80.5			10/09/2015	PAB
Benzene - BSD	EPA-8021	81.0	1		10/09/2015	PAB
Toluene - BS	EPA-8021	85.4			10/09/2015	PAB
Toluene - BSD	EPA-8021	86.0	1		10/09/2015	PAB
Ethylbenzene - BS	EPA-8021	85.3			10/09/2015	PAB
Ethylbenzene - BSD	EPA-8021	86.2	1		10/09/2015	PAB
Xylenes - BS	EPA-8021	85.2			10/09/2015	PAB
Xylenes - BSD	EPA-8021	86.1	1		10/09/2015	PAB

ALS Test Batch ID: 97952 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	105			10/09/2015	DLC
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	115	9		10/09/2015	DLC

ALS Test Batch ID: 97977 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	105			10/12/2015	DLC
1,1-Dichloroethene - BSD	EPA-8260	101	4		10/12/2015	DLC
Trichloroethene - BS	EPA-8260	102			10/12/2015	DLC
Trichloroethene - BSD	EPA-8260	100	2		10/12/2015	DLC
Toluene - BS	EPA-8260	96.1			10/12/2015	DLC
Toluene - BSD	EPA-8260	93.3	3		10/12/2015	DLC
Chlorobenzene - BS	EPA-8260	91.4			10/12/2015	DLC
Chlorobenzene - BSD	EPA-8260	93.2	2		10/12/2015	DLC

ALS Test Batch ID: 97998 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Naphthalene - BS	EPA-8270 SIM	105			10/12/2015	GAP
Naphthalene - BSD	EPA-8270 SIM	75.9	32		10/12/2015	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	129			10/12/2015	GAP



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/13/2015
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV15100066
CLIENT PROJECT:	Gunderson UST / 122023.070.071	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	92.0	34		10/12/2015	GAP

ALS Test Batch ID: R262978 - Soil by EPA-8082

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
PCB-1016 - BS	EPA-8082	132			10/12/2015	GAP
PCB-1016 - BSD	EPA-8082	132	0		10/12/2015	GAP
PCB-1260 - BS	EPA-8082	158		SQ1	10/12/2015	GAP
PCB-1260 - BSD	EPA-8082	158	0	SQ1	10/12/2015	GAP

SQ1 - Spike outside of control limits with a high bias. Associated compounds non-detect. No corrective action taken.

ALS Test Batch ID: 97964 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-6020	102			10/12/2015	RAL
Lead - BSD	EPA-6020	104	2		10/12/2015	RAL

APPROVED BY

Laboratory Director



- Seattle/Edmonds (425) 778-0907
- Tacoma (253) 926-2493
- Spokane (509) 327-9737
- Portland (503) 542-1080

Chain-of-Custody Record

EV15100066

Date 10/09/2015
Page 1 of 1

Sample I.D.	Date	Time	Matrix	No. of Containers	Testing Parameters										Observations/Comments	
					BTEX	TPH-D	TPH-O	TPH-G	EDB/EX/MTBE	Pb	C PAHS	NAPHTHALENES	PCBS	THNOGS		
UST-6	10/09/15	1545	SOIL	4	X	X	X	X	X	X	X	X	X	X	X	Turnaround Time <input type="checkbox"/> Standard <input type="checkbox"/> Accelerated <input checked="" type="checkbox"/> <u>ACAD</u>
																<input checked="" type="checkbox"/> Allow water samples to settle, collect aliquot from clear portion <input checked="" type="checkbox"/> NWTPH-Dx - run acid wash silica gel cleanup Analyze for EPH if no specific product identified VOC/BTEX/VPH (soil): <input type="checkbox"/> non-preserved <input type="checkbox"/> preserved w/methanol <input type="checkbox"/> preserved w/sodium bisulfate <input type="checkbox"/> Freeze upon receipt <input type="checkbox"/> Dissolved metal water samples field filtered Other _____ _____ _____ _____

Special Shipment/Handling or Storage Requirements _____ Method of Shipment PICK UP

Relinquished by
 Signature [Signature]
 Printed Name MATT MORONEY
 Company LANDAU ASSOCIATES, INC
 Date 10/09/2015 Time 1615

Received by
 Signature [Signature]
 Printed Name Rick Bagan
 Company ALS
 Date 10-10-15 Time 9:55 AM

Relinquished by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

Received by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates

ALS Job #: EV15100066

Project: Gunderson UST

Received Date: 10/10/15 Received Time: 9:55 AM By: YLB

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier ALS Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, how many? <u>1</u> Where? <u>Top/Side</u>			
Custody seal date: <u>10/9/15</u> Seal name: <u>Landau</u>			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Per 5035 Low Kit

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: _____

Temperature of cooler upon receipt: 5.4°c on Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



October 22, 2015

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On October 16th, 4 samples were received by our laboratory and assigned our laboratory project number EV15100104. The project was identified as your Gunderson UST / #122023.070.071. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/22/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100104
CLIENT PROJECT:	Gunderson UST / #122023.070.071	ALS SAMPLE#:	EV15100104-01
CLIENT SAMPLE ID	SW-9	DATE RECEIVED:	10/16/2015
		COLLECTION DATE:	10/16/2015 12:20:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	ND	20	1	MG/KG	10/19/2015	PAB
Benzene	EPA-8021	ND	0.030	1	MG/KG	10/19/2015	PAB
Toluene	EPA-8021	ND	0.050	1	MG/KG	10/19/2015	PAB
Ethylbenzene	EPA-8021	ND	0.050	1	MG/KG	10/19/2015	PAB
Xylenes	EPA-8021	ND	0.20	1	MG/KG	10/19/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	150	25	1	MG/KG	10/16/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	16000	1000	20	MG/KG	10/19/2015	DLC
Naphthalene	EPA-8270 SIM	51	20	1	UG/KG	10/19/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	81	20	1	UG/KG	10/19/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	99	20	1	UG/KG	10/19/2015	GAP
Benzo[A]Anthracene	EPA-8270 SIM	29	20	1	UG/KG	10/19/2015	GAP
Chrysene	EPA-8270 SIM	88	20	1	UG/KG	10/19/2015	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[A]Pyrene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Lead	EPA-6020	6.8	0.50	5	MG/KG	10/22/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	77.4	10/19/2015	PAB
TFT	EPA-8021	70.6	10/19/2015	PAB
C25	NWTPH-DX w/ SGA	119	10/16/2015	DLC
C25 20X Dilution	NWTPH-DX w/ SGA	174 GS2	10/19/2015	DLC
Terphenyl-d14	EPA-8270 SIM	99.6	10/19/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.
 GS2 - Surrogate outside of control limits due to dilution.
 Chromatogram indicates that it is likely that sample contains weathered diesel 1 and lube oil.
 Gasoline range reporting limit raised due to semivolatle range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/22/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100104
CLIENT PROJECT:	Gunderson UST / #122023.070.071	ALS SAMPLE#:	EV15100104-02
CLIENT SAMPLE ID	BS-6	DATE RECEIVED:	10/16/2015
		COLLECTION DATE:	10/16/2015 12:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	ND	3.0	1	MG/KG	10/16/2015	PAB
Benzene	EPA-8021	ND	0.030	1	MG/KG	10/16/2015	PAB
Toluene	EPA-8021	ND	0.050	1	MG/KG	10/16/2015	PAB
Ethylbenzene	EPA-8021	ND	0.050	1	MG/KG	10/16/2015	PAB
Xylenes	EPA-8021	ND	0.20	1	MG/KG	10/16/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	ND	25	1	MG/KG	10/16/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	ND	50	1	MG/KG	10/16/2015	DLC
Naphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[A]Anthracene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Chrysene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[A]Pyrene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Lead	EPA-6020	15	0.50	5	MG/KG	10/22/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	104	10/16/2015	PAB
TFT	EPA-8021	95.1	10/16/2015	PAB
C25	NWTPH-DX w/ SGA	121	10/16/2015	DLC
Terphenyl-d14	EPA-8270 SIM	99.9	10/19/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/22/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100104
CLIENT PROJECT:	Gunderson UST / #122023.070.071	ALS SAMPLE#:	EV15100104-03
CLIENT SAMPLE ID	SW-10	DATE RECEIVED:	10/16/2015
		COLLECTION DATE:	10/16/2015 1:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	15	3.0	1	MG/KG	10/16/2015	PAB
Benzene	EPA-8021	ND	0.030	1	MG/KG	10/16/2015	PAB
Toluene	EPA-8021	ND	0.050	1	MG/KG	10/16/2015	PAB
Ethylbenzene	EPA-8021	0.058	0.050	1	MG/KG	10/16/2015	PAB
Xylenes	EPA-8021	0.34	0.20	1	MG/KG	10/16/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	ND	25	1	MG/KG	10/16/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	420	50	1	MG/KG	10/16/2015	DLC
Naphthalene	EPA-8270 SIM	33	20	1	UG/KG	10/19/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	64	20	1	UG/KG	10/19/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	44	20	1	UG/KG	10/19/2015	GAP
Benzo[A]Anthracene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Chrysene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[A]Pyrene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Lead	EPA-6020	14	0.50	5	MG/KG	10/22/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	102	10/16/2015	PAB
TFT	EPA-8021	96.1	10/16/2015	PAB
C25	NWTPH-DX w/ SGA	132	10/16/2015	DLC
Terphenyl-d14	EPA-8270 SIM	101	10/19/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and lube oil.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/22/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100104
CLIENT PROJECT:	Gunderson UST / #122023.070.071	ALS SAMPLE#:	EV15100104-04
CLIENT SAMPLE ID	SW-11	DATE RECEIVED:	10/16/2015
		COLLECTION DATE:	10/16/2015 1:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	ND	3.0	1	MG/KG	10/16/2015	PAB
Benzene	EPA-8021	ND	0.030	1	MG/KG	10/16/2015	PAB
Toluene	EPA-8021	ND	0.050	1	MG/KG	10/16/2015	PAB
Ethylbenzene	EPA-8021	ND	0.050	1	MG/KG	10/16/2015	PAB
Xylenes	EPA-8021	ND	0.20	1	MG/KG	10/16/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	ND	25	1	MG/KG	10/16/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	ND	50	1	MG/KG	10/16/2015	DLC
Naphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[A]Anthracene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Chrysene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Benzo[A]Pyrene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	ND	20	1	UG/KG	10/19/2015	GAP
Lead	EPA-6020	14	0.50	5	MG/KG	10/22/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	101	10/16/2015	PAB
TFT	EPA-8021	93.9	10/16/2015	PAB
C25	NWTPH-DX w/ SGA	140	10/16/2015	DLC
Terphenyl-d14	EPA-8270 SIM	121	10/19/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 10/22/2015
 130 - 2nd Ave. S. ALS SDG#: EV15100104
 Edmonds, WA 98020 WDOE ACCREDITATION: C601

CLIENT CONTACT: Dylan Frazer
 CLIENT PROJECT: Gunderson UST / #122023.070.071

LABORATORY BLANK RESULTS

MBG-100915S - Batch 97930 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U		MG/KG	3.0	10/09/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-100915S - Batch 97930 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U		MG/KG	0.030	10/09/2015	PAB
Toluene	EPA-8021	U		MG/KG	0.050	10/09/2015	PAB
Ethylbenzene	EPA-8021	U		MG/KG	0.050	10/09/2015	PAB
Xylenes	EPA-8021	U		MG/KG	0.20	10/09/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-101415S - Batch 98074 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U		MG/KG	25	10/14/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX	U		MG/KG	50	10/14/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-101915S - Batch 98167 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Benzo[A]Anthracene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Chrysene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 10/22/2015
130 - 2nd Ave. S. ALS SDG#: EV15100104
Edmonds, WA 98020 WDOE ACCREDITATION: C601
CLIENT CONTACT: Dylan Frazer
CLIENT PROJECT: Gunderson UST / #122023.070.071

LABORATORY BLANK RESULTS

MB-101915S - Batch 98198 - Soil by EPA-6020

Table with 9 columns: ANALYTE, METHOD, RESULTS, QUAL, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: Lead, EPA-6020, U, , MG/KG, 0.10, 10/22/2015, RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/22/2015
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV15100104
CLIENT PROJECT:	Gunderson UST / #122023.070.071	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 97930 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12) - BS	NWTPH-GX	87.3			10/09/2015	PAB
TPH-Volatile Range (C7-C12) - BSD	NWTPH-GX	87.8	1		10/09/2015	PAB

ALS Test Batch ID: 97930 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	80.5			10/09/2015	PAB
Benzene - BSD	EPA-8021	81.0	1		10/09/2015	PAB
Toluene - BS	EPA-8021	85.4			10/09/2015	PAB
Toluene - BSD	EPA-8021	86.0	1		10/09/2015	PAB
Ethylbenzene - BS	EPA-8021	85.3			10/09/2015	PAB
Ethylbenzene - BSD	EPA-8021	86.2	1		10/09/2015	PAB
Xylenes - BS	EPA-8021	85.2			10/09/2015	PAB
Xylenes - BSD	EPA-8021	86.1	1		10/09/2015	PAB

ALS Test Batch ID: 98074 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	92.4			10/14/2015	DLC
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	98.2	6		10/14/2015	DLC

ALS Test Batch ID: 98167 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Naphthalene - BS	EPA-8270 SIM	127			10/19/2015	GAP
Naphthalene - BSD	EPA-8270 SIM	81.5	44		10/19/2015	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	107			10/19/2015	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	77.7	32		10/19/2015	GAP

ALS Test Batch ID: 98198 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-6020	101			10/22/2015	RAL
Lead - BSD	EPA-6020	102	1		10/22/2015	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates

ALS Job #: EV15100104

Project: Gunderson

Received Date: 10/15/15 Received Time: 2:50 By: RB

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier ALS Hand Delivered
FedEx Express

Were custody seals on outside of sample?	<u>Yes</u>	<u>No</u>	<u>N/A</u>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____	Where? _____		
Custody seal date: _____	Seal name: _____		

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following: Per 5035 low kit

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Were VOA vials checked for absence of air bubbles?
Bubbles present in sample #: _____

Temperature of cooler upon receipt: 13.5°C Cold Ambient N/A
on Ice

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



October 27, 2015

Mr. Dylan Frazer
Landau Associates, Inc.
130 - 2nd Ave. S.
Edmonds, WA 98020

Dear Mr. Frazer,

On October 23rd, 1 sample was received by our laboratory and assigned our laboratory project number EV15100140. The project was identified as your Gunderson UST / #122023.070.071. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/27/2015
CLIENT CONTACT:	Dylan Frazer	ALS JOB#:	EV15100140
CLIENT PROJECT:	Gunderson UST / #122023.070.071	ALS SAMPLE#:	EV15100140-01
CLIENT SAMPLE ID:	SW-12	DATE RECEIVED:	10/23/2015
		COLLECTION DATE:	10/23/2015 8:15:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	ND	3.0	1	MG/KG	10/23/2015	PAB
Benzene	EPA-8021	ND	0.030	1	MG/KG	10/23/2015	PAB
Toluene	EPA-8021	ND	0.050	1	MG/KG	10/23/2015	PAB
Ethylbenzene	EPA-8021	ND	0.050	1	MG/KG	10/23/2015	PAB
Xylenes	EPA-8021	ND	0.20	1	MG/KG	10/23/2015	PAB
TPH-Diesel Range (C12-C24)	NWTPH-DX w/ SGA	ND	25	1	MG/KG	10/23/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX w/ SGA	350	50	1	MG/KG	10/23/2015	DLC
Naphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/23/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/23/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/23/2015	GAP
Benzo[A]Anthracene	EPA-8270 SIM	ND	20	1	UG/KG	10/23/2015	GAP
Chrysene	EPA-8270 SIM	ND	20	1	UG/KG	10/23/2015	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	ND	20	1	UG/KG	10/23/2015	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	ND	20	1	UG/KG	10/23/2015	GAP
Benzo[A]Pyrene	EPA-8270 SIM	ND	20	1	UG/KG	10/23/2015	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	ND	20	1	UG/KG	10/23/2015	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	ND	20	1	UG/KG	10/23/2015	GAP
Lead	EPA-6020	46	0.50	5	MG/KG	10/26/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	117	10/23/2015	PAB
TFT	EPA-8021	122	10/23/2015	PAB
C25	NWTPH-DX w/ SGA	99.5	10/23/2015	DLC
Terphenyl-d14	EPA-8270 SIM	114	10/23/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains lube oil.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE: 10/27/2015 ALS SDG#: EV15100140 WDOE ACCREDITATION: C601
CLIENT CONTACT:	Dylan Frazer	
CLIENT PROJECT:	Gunderson UST / #122023.070.071	

LABORATORY BLANK RESULTS

MBG-101915S - Batch 98173 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12)	NWTPH-GX	U		MG/KG	3.0	10/19/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-101915S - Batch 98173 - Soil by EPA-8021

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U		MG/KG	0.030	10/19/2015	PAB
Toluene	EPA-8021	U		MG/KG	0.050	10/19/2015	PAB
Ethylbenzene	EPA-8021	U		MG/KG	0.050	10/19/2015	PAB
Xylenes	EPA-8021	U		MG/KG	0.20	10/19/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

MB-102215S - Batch 98303 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U		MG/KG	25	10/22/2015	DLC
TPH-Oil Range (C24-C40)	NWTPH-DX	U		MG/KG	50	10/22/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-101915S - Batch 98167 - Soil by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Benzo[A]Anthracene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Chrysene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U		UG/KG	20	10/19/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 10/27/2015
130 - 2nd Ave. S. ALS SDG#: EV15100140
Edmonds, WA 98020 WDOE ACCREDITATION: C601
CLIENT CONTACT: Dylan Frazer
CLIENT PROJECT: Gunderson UST / #122023.070.071

LABORATORY BLANK RESULTS

MB-102615S - Batch 98371 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-6020	U		MG/KG	0.10	10/26/2015	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 130 - 2nd Ave. S. Edmonds, WA 98020	DATE:	10/27/2015
CLIENT CONTACT:	Dylan Frazer	ALS SDG#:	EV15100140
CLIENT PROJECT:	Gunderson UST / #122023.070.071	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 98173 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C7-C12) - BS	NWTPH-GX	86.7			10/19/2015	PAB
TPH-Volatile Range (C7-C12) - BSD	NWTPH-GX	86.7	0		10/19/2015	PAB

ALS Test Batch ID: 98173 - Soil by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8021	89.3			10/19/2015	PAB
Benzene - BSD	EPA-8021	89.2	0		10/19/2015	PAB
Toluene - BS	EPA-8021	91.8			10/19/2015	PAB
Toluene - BSD	EPA-8021	91.6	0		10/19/2015	PAB
Ethylbenzene - BS	EPA-8021	101			10/19/2015	PAB
Ethylbenzene - BSD	EPA-8021	100	1		10/19/2015	PAB
Xylenes - BS	EPA-8021	98.8			10/19/2015	PAB
Xylenes - BSD	EPA-8021	98.3	1		10/19/2015	PAB

ALS Test Batch ID: 98303 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	99.3			10/22/2015	DLC
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	100	1		10/22/2015	DLC

ALS Test Batch ID: 98167 - Soil by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Naphthalene - BS	EPA-8270 SIM	127			10/19/2015	GAP
Naphthalene - BSD	EPA-8270 SIM	81.5	44		10/19/2015	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	107			10/19/2015	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	77.7	32		10/19/2015	GAP

ALS Test Batch ID: 98371 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-6020	98.4			10/26/2015	RAL
Lead - BSD	EPA-6020	2.01	2		10/26/2015	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landan Associates

ALS Job #: EV15100140

Project: Gunderson

Received Date: 10/23/15 Received Time: 11:26 By: RB

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier ALS Hand Delivered
FedEx Express

	Yes	No	N/A
Were custody seals on outside of sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, how many? <u>1</u> Where? <u>Top</u>			
Custody seal date: <u>10/23/15</u> Seal name: <u>Landan Associates</u>			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Per 5035 low kit

Were VOA vials checked for absence of air bubbles?
Bubbles present in sample #: _____

Temperature of cooler upon receipt: 8.6° c on Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____

Waste Disposal Documentation



Weighted At: Soil Remediation 1876083977

Weighted At: Soil Remediation 1876083988

6300 Glenwood Ave
CEMEX Everett, WA 98213 Location: 1876

6300 Glenwood Ave
CEMEX Everett, WA 98213 Location: 1876

Order: 41034874 Dispatch: 0 Date: 09/28/2015

Order: 41034874 Dispatch: 0 Date: 09/28/2015

Ship To: 3034740 - GARY MERLINO
P: ACI GUNDERSON PROPERTY
76 6300 GLENWOOD AVENUE
EVERETT, WA 98203

Ship To: 3034740 - GARY MERLINO
P: ACI GUNDERSON PROPERTY
76 6300 GLENWOOD AVENUE
EVERETT, WA 98203

Instruct: 19804 & 19806 AURORA AVE N. SHORELINE

Instruct: 19804 & 19806 AURORA AVE N. SHORELINE

Job #: GUNDERSON PO: 2013-009
Product: 1 92508 - CLASS 3 SOIL DUMPED BY TON
Carrier:
Vehicle: 2314110 - GM204S, GARY MERLINO
Tractor / Trailer1 / Trailer 2 - / - /

Job #: GUNDERSON PO: 2013-009
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier:
Vehicle: 2314111 - GM205S, GARY MERLINO
Tractor / Trailer1 / Trailer 2 - / - /

Qty: 8.70 ton --- DRIVER ON AT TARE & GROSS ---

Qty: 18.83 ton --- DRIVER ON AT TARE & GROSS ---

Weighmaster:	lb	ton	tne
CEMEX	Gross: 65,260	32.63	29.60
Deputy Weighmaster:	Tare: 27,860	13.93	12.64
Elizabeth M. Arnold	Net: 37,400	18.70	16.96

Weighmaster:	lb	ton	tne
CEMEX	Gross: 65,420	32.71	29.67
Deputy Weighmaster:	Tare: 28,180	14.08	12.77
Ashley Cordova	Net: 37,260	18.63	16.90

Scale: 1
In: 10:01 am Today Loads:
Out: 10:13 am Today Qty: -18.70 ton
0.00

Scale: 2 * Predetermined Tare
In: Today Loads: 3
Out: 10:59 am Today Qty: -54.36 ton
0.00

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN.

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN.

0.00

0.00

Signature of Receiving Agent

Driver:

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



Weighted At: Soil Remediation 1876084001

Weighted At: Soil Remediation 1876083989

6300 Glenwood Ave
CEMEX Everett, WA 98213 Location: 1876

6300 Glenwood Ave
CEMEX Everett, WA 98213 Location: 1876

Order: 41034874 Dispatch: 0 Date: 09/28/2015

Order: 41034874 Dispatch: 0 Date: 09/28/2015

Ship To: 3034740 - GARY MERLINO
P: ACI GUNDERSON PROPERTY
76 6300 GLENWOOD AVENUE
EVERETT, WA 98203

Ship To: 3034740 - GARY MERLINO
P: ACI GUNDERSON PROPERTY
76 6300 GLENWOOD AVENUE
EVERETT, WA 98203

Instruct: 19804 & 19806 AURORA AVE N. SHORELINE

Instruct: 19804 & 19806 AURORA AVE N. SHORELINE

Job #: GUNDERSON PO: 2013-009
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier:
Vehicle: 2314111 - GM205S, GARY MERLINO
Tractor / Trailer1 / Trailer 2 - / - /

Job #: GUNDERSON PO: 2013-009
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier:
Vehicle: 2314110 - GM204S, GARY MERLINO
Tractor / Trailer1 / Trailer 2 - / - /

Qty: 15.52 ton --- DRIVER ON AT TARE & GROSS ---

Qty: 18.06 ton --- DRIVER ON AT TARE & GROSS ---

Weighmaster:	lb	ton	tne
CEMEX	Gross: 59,200	29.60	26.85
Deputy Weighmaster:	Tare: 28,160	14.08	12.77
Ashley Cordova	Net: 31,040	15.52	14.08

Weighmaster:	lb	ton	tne
CEMEX	Gross: 83,980	31.99	29.02
Deputy Weighmaster:	Tare: 27,880	13.93	12.64
Ashley Cordova	Net: 36,120	18.08	16.38

Scale: 1 * Predetermined Tare
In: Today Loads: 6
Out: 12:32 pm Today Qty: -73.23 ton
0.00

Scale: 2 * Predetermined Tare
In: Today Loads: 4
Out: 11:28 am Today Qty: -72.42 ton
0.00

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN.

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN.

0.00

0.00

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



Weighted At: Soil Remediation 1876084022

6300 Glenwood Ave
CEMEX Everett, WA 98213 Location: 1876

Order: 41034874 Dispatch: 0 Date: 09/29/2015
Ship To: 3034740 - GARY MERLINO
P: ACI GUNDERSON PROPERTY
76 6300 GLENWOOD AVENUE
EVERETT, WA 98203
Instruct: 19004 & 19806 AURORA AVE N. SHORELINE

Job #: GUNDERSON PO: 2013-009
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2314087 - GM163S.GARY MERLINO
Tractor / Trailer1 / Trailer 2 - / - / -

Qty: 9.13 ton --- DRIVER ON AT TARE & GROSS ---
Weighmaster: lb ton tne
CEMEX Gross: 63,920 31.96 26.99
Deputy Weighmaster: Tare: 25,660 12.63 11.64
Elizabeth M. Arnold Net: 38,260 19.13 17.35
Scale: 1
In: 9:03 am Today Loads: 1
Out: 9:14 am Today Qty: -19.13 ton
0.00

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN.

Signature of Receiving Agent Driver

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



Weighted At: Soil Remediation 1876084004

6300 Glenwood Ave
CEMEX Everett, WA 98213 Location: 1876

Order: 41034874 Dispatch: 0 Date: 09/28/2015
Ship To: 3034740 - GARY MERLINO
P: ACI GUNDERSON PROPERTY
76 6300 GLENWOOD AVENUE
EVERETT, WA 98203
Instruct: 19804 & 19806 AURORA AVE N. SHORELINE

Job #: GUNDERSON PO: 2013-009
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2314110 - GM204S.GARY MERLINO
Tractor / Trailer1 / Trailer 2 - / - / -

Qty: 13.21 ton --- DRIVER ON AT TARE & GROSS ---
Weighmaster: lb ton tne
CEMEX Gross: 54,260 27.14 24.62
Deputy Weighmaster: Tare: 27,860 13.93 12.64
Ashley Cordova Net: 26,420 13.21 11.96
Scale: 1 * Predetermined Tare
In: Today Loads: 7
Out: 12:49 pm Today Qty: -60.02 ton
0.00

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN.

Signature of Receiving Agent Driver

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



Weighted At: Soil Remediation 1876084034

6300 Glenwood Ave
CEMEX Everett, WA 98213 Location: 1876

Order: 41034874 Dispatch: 0 Date: 09/29/2015
Ship To: 3034740 - GARY MERLINO
P: ACI GUNDERSON PROPERTY
76 6300 GLENWOOD AVENUE
EVERETT, WA 98203
Instruct: 19004 & 19806 AURORA AVE N. SHORELINE

Job #: GUNDERSON PO: 2013-009
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2314087 - GM163S.GARY MERLINO
Tractor / Trailer1 / Trailer 2 - / - / -

Qty: 3.81 ton --- DRIVER ON AT TARE & GROSS ---
Weighmaster: lb ton tne
CEMEX Gross: 52,880 26.44 23.99
Deputy Weighmaster: Tare: 25,660 12.83 11.64
Ashley Cordova Net: 27,220 13.61 12.35
Scale: 1 * Predetermined Tare
In: Today Loads: 3
Out: 12:18 pm Today Qty: -21.40 ton
0.00

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN.

Signature of Receiving Agent Driver

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



Weighted At: Soil Remediation 1876084032

6300 Glenwood Ave
CEMEX Everett, WA 98213 Location: 1876

Order: 41034874 Dispatch: 0 Date: 09/29/2015
Ship To: 3034740 - GARY MERLINO
P: ACI GUNDERSON PROPERTY
76 6300 GLENWOOD AVENUE
EVERETT, WA 98203
Instruct: 19004 & 19806 AURORA AVE N. SHORELINE

Job #: GUNDERSON PO: 2013-009
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2314087 - GM163S.GARY MERLINO
Tractor / Trailer1 / Trailer 2 - / - / -

Qty: 5.88 ton --- DRIVER ON AT TARE & GROSS ---
Weighmaster: lb ton tne
CEMEX Gross: 57,420 28.71 26.05
Deputy Weighmaster: Tare: 25,660 12.83 11.64
Ashley Cordova Net: 31,780 15.88 14.41
Scale: 2 * Predetermined Tare
In: Today Loads: 2
Out: 1:08 am Today Qty: -35.01 ton
0.00

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN.

Signature of Receiving Agent Driver

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



Weighted At: Soil Remediation **1876084046**
 6300 Glenwood Ave
CEMEX Everett WA 98213 **B-20** Location: 1876

Order: 41034874 Dispatch: 0 Date: 09/30/2015
 Ship To: 3034740 - GARY MERLINO
 P 76 ACI GUNDERSON PROPERTY
 19804 & 19806 AURORA AVE N SHORELINE
 EVERETT WA 98203
 Instruct: 19804 & 19806 AURORA AVE N SHORELINE

Job #: GUNDERSON PO: 2013-009
 Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
 Carrier:
 Vehicle: 2314087 - GM163S GARY MERLINO
 Tractor / Traller1 / Traller 2

JG
Gunderson

Qty: **18.44 ton** -- DRIVER ON AT TARE & GROSS --
 Weighmaster:
 CEMEX Gross: lb ton tne
 62 480 31 24 28 34
 Deputy Weighmaster: Tare: 25 600 12 80 11 61
 Ashley Cordova Net: 36 880 18 44 16 73
 Scale: * Manual Weight
 In: Today Loads: 1
 Out: 7 05 am Today Qty: -18 44 ton
 0 00

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN

0.00

Signature of Receiving Agent Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2,204.623 ROUNDED TO 2 DECIMALS
 SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



Weighted At: Soil Remediation **1876084039**
 6300 Glenwood Ave
CEMEX Everett WA 98213 **B-20** Location: 1876

Order: 41034874 Dispatch: 0 Date: 09/29/2015
 Ship To: 3034740 - GARY MERLINO
 P ACI GUNDERSON PROPERTY
 76:6300 GLENWOOD AVENUE
 EVERETT WA 98203
 Instruct: 19804 & 19806 AURORA AVE N SHORELINE

Job #: GUNDERSON PO: 2013-009
 Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
 Carrier:
 Vehicle: 2314087 - GM163S GARY MERLINO
 Tractor / Traller1 / Traller 2

Gunderson

Qty: **17.82 ton** -- DRIVER ON AT TARE & GROSS --
 Weighmaster:
 CEMEX Gross: lb ton tne
 61 300 30 65 27 6
 Deputy Weighmaster: Tare: 25 660 12 83 11 6
 Ashley Cordova Net: 35 640 17 82 16 1
 Scale: * Predetermined Tare
 In: Today Loads:
 Out: 1 31 pm Today Qty: -39 22 ton
 0 0

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN

0.0

Signature of Receiving Agent Drive

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2,204.623 ROUNDED TO 2 DECIMALS
 REFRINT 157 cm Ashley Cordova



Weighted At: Soil Remediation **1876084050**
 6300 Glenwood Ave
CEMEX Everett WA 98213 **B-20** Location: 1876

Order: 41034874 Dispatch: 0 Date: 09/30/2015
 Ship To: 3034740 - GARY MERLINO
 P 76 ACI GUNDERSON PROPERTY
 19804 & 19806 AURORA AVE N SHORELINE
 EVERETT WA 98203
 Instruct: 19804 & 19806 AURORA AVE N SHORELINE

Job #: GUNDERSON PO: 2013-009
 Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
 Carrier:
 Vehicle: 2314087 - GM163S GARY MERLINO
 Tractor / Traller1 / Traller 2

Gunderson

Qty: **13.04 ton** -- DRIVER ON AT TARE & GROSS --
 Weighmaster:
 CEMEX Gross: lb ton tne
 51 680 25 84 23 44
 Deputy Weighmaster: Tare: 25 600 12 80 11 61
 Ashley Cordova Net: 26 080 13 04 11 83
 Scale: * Manual Weight
 In: Today Loads:
 Out: 8 36 am Today Qty: -13 04 ton
 0 00

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN

Signature of Receiving Agent

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2,204.623 ROUNDED TO 2 DECIMALS
 SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



CEMEX
PO Box 2037
Everett, WA 98213-2037

PE 23 FOR 2313
CEMEX Construction Materials Pacific, LLC

INVOICE

Date: 10/16/2015
 Invoice No: 9431972150
 Terms: Net 20th prox
 Payment Due On: 11/20/2015
 Job No: 13878221
 Legal Address: AURORA CORRIDOR
 Customer Job No. GUNDERSON
 Account No: 3034740
 Account Name: GARY MERLINO

P9518

FA Sheet 709



INV2 ▲ 000073
 GARY MERLINO
 9125 10TH AVE S
 SEATTLE WA 98108-4612

For All Inquiries Call:
800-355-2772

Remit To:
CEMEX | PO Box 100497 | Pasadena, CA 91189-0497

DETAILED INFORMATION BY PO

PO Number: 2013-009			DELIVERY ADDRESS: 19804 & 19806 AURORA AVE N. SHORELI, EVERETT, WA, 98203									
Ship Date	Delivery	Ref #	Product Code / Description	Qty	UOM	Net Price By UOM		Units	Amount	Freight	Tx	
10/16/2015	8068393391	1876084304	1192508 CLASS 3 SOIL DUMPED BY TON	15.030	TON	\$46.81	1 TON	15.030	\$703.55	\$0.00		
10/16/2015	8068393396	1876084306	1192508 CLASS 3 SOIL DUMPED BY TON	18.670	TON	\$46.81	1 TON	18.670	\$873.94	\$0.00		
10/16/2015	8068393733	1876084326	1192508 CLASS 3 SOIL DUMPED BY TON	14.120	TON	\$46.81	1 TON	14.120	\$660.96	\$0.00		
PO Subtotal		0.00 Yards	47.82 Tons	\$2,238.45 Material	\$0.00 Freight	\$80.58 Other	\$0.00 Tax	\$2,319.03 Total				

*pay in full
B-20
Gunderson
property*

*Force Acct
GUNDERSON SOIL*

JOB # 2013-009-
COST CODE # 10-040-0130
COST CATEGORY CIRCLE ONE:
 MAT MTX MTU SUB EQR OTH
PM JNN **DATE** 11/6/15

Billing Text: "Other" amount represents Refuse Tax

0.00 Yards	47.82 Tons	\$0.00 Freight	\$80.58 Other	\$0.00 Tax	\$2,319.03 Invoice Total
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This invoice incorporates herein by reference Buyer's previously executed Credit Application, if any, Seller's Standard Terms and Conditions. Seller's Quotation and Seller's Order Confirmation (including limitations of remedies) as set forth therein.



CEMEX
PO Box 2037
Everett, WA 98213-2037

PE 23

CEMEX Construction Materials Pacific, LLC

FCR2313

INVOICE

Date: 10/23/2015
 Invoice No: 9432020658
 Terms: Net 20th prox
 Payment Due On: 11/20/2015
 Job No: 13878221
 Legal Address: AURORA CORRIDOR
 Customer Job No. GUNDERSON
 Account No: 3034740
 Account Name: GARY MERLINO

P 8/8

*PA Sheet
710*



INV2 ▲ 000066
 GARY MERLINO
 9125 10TH AVE S
 SEATTLE WA 98108-4612

For All Inquiries Call:
800-355-2772

Remit To:
CEMEX | PO Box 100497 | Pasadena, CA 91189-0497

DETAILED INFORMATION BY PO

PO Number: 2013-009				DELIVERY ADDRESS: 19804 & 19806 AURORA AVE N. SHORELI, EVERETT, WA, 98203						
Ship Date	Delivery	Ref #	Product Code / Description	Qty	UOM	Net Price By UOM	Units	Amount	Freight	Tx
10/23/2015	8068489746	1876084383	1192508 CLASS 3 SOIL DUMPED BY TON	17.670	TON	\$46.81	1 TON	17.670	\$827.13	\$0.00
PO Subtotal		0.00 Yards	17.67 Tons	\$827.13 Material	\$0.00 Freight	\$29.78 Other	\$0.00 Tax	\$856.91 Total		

*pay in full
B-70
Gunderson
Property*

*Fenced Area
Gunderson*

JOB # **2013-009-00**
 COST CODE # **10-040-6130**
 COST CATEGORY (CIRCLE ONE)
 MAT MTX MTU SUB EQR **OTH**
 PM **JNW** DATE **11/6/15**

Billing Text: "Other" amount represents Refuse Tax

0.00 Yards	17.67 Tons	\$0.00 Freight	\$29.78 Other	\$0.00 Tax	\$856.91 Invoice Total
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This invoice incorporates herein by reference Buyer's previously executed Credit Application, if any. Seller's Standard Terms and Conditions. Seller's Quotation and Seller's Order Confirmation (including limited warranty) apply to the full extent of this invoice.

**Washington State Department of Ecology
Underground Storage Tank Closure
and Site Assessment Notice**



UNDERGROUND STORAGE TANK Closure and Site Assessment Notice

FOR OFFICE USE ONLY

Site ID #: _____

Facility Site ID #: _____

See back of form for instructions

Please the appropriate box(es)

- Temporary Tank Closure
- Change-In-Service
- Permanent Tank Closure
- Site Check/Site Assessment

Site Information

Owner Information

Site ID Number _____
(Available from Ecology if the tanks are registered)

UST Owner/Operator City of Shoreline

Site/Business Name Gunderson Property
Street

Mailing Address 17500 Midvale Ave N
Street

Site Address 19806 - 19804 Aurora Ave N

_____ P.O. Box

City/State Shoreline WA

City/State Shoreline WA 98133

Zip Code 98133 Telephone (425) 485-9720

Zip Code _____ Telephone (206) 801-2482

* Owners Signature [Signature] (NYTASHA SOWERS)

Tank Closure/Change-In-Service Company

Service Company Diane's Tank Removal Services LLC

Certified Supervisor Diane Kamada Decommissioning Certification No. 8057526-42

Supervisor's Signature [Signature] Date 10-20-2015

Address 18720 Sound View Pl P.O. Box 97738 Seattle WA 98177
Street P.O. Box

Edmonds WA 98020 Telephone (206) 510-9497
City State Zip Code

Site Check/Site Assessor

Certified Site Assessor Landau & Associates Dilla Frazer

Address _____
Street P.O. Box

_____ Telephone () _____
City State Zip Code

Tank Information

Contamination Present at the Time of Closure

Tank ID	Closure Date	Closure Method	Tank Capacity	Substance Stored
1	9/28/15	Removal	3,000	Gasoline
2	"	"	3,000	Diesel
3	"	"	3,000	Gasoline
4	10/7/15	"	3,000	Unknown (Concrete)
5	"	"	3,000	Gasoline
6	10/9/15	Removal	300	Waste Oil

Yes No Unknown
 Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.
 Yes No
 If contamination is present, has the release been reported to the appropriate regional office?

To receive this document in an alternative format, contact the Toxics Cleanup Program at 360-407-7170 (voice) or 1-800-833-6388 OR 711 (TTY)

Washington State Department of Ecology Underground Storage Tank Site Assessment Checklist

UST ID #: _____

County: _____

SITE CHECK/SITE ASSESSMENT CHECKLIST FOR UNDERGROUND STORAGE TANKS

This checklist certifies that site check or site assessment activities were performed in accordance with Chapter 173-360 WAC. Instructions are found on the last page.

State of Washington

I. UST FACILITY		II. OWNER/OPERATOR INFORMATION	
Facility Compliance Tag #: n/a		Owner/Operator Name: City of Shoreline	
UST ID #: n/a		Business Name: n/a	
Site Name: Aurora Gunderson Property		Address: 17500 Midvale Avenue N	
Site Address: 19804 and 19806 Aurora Avenue N		City: Shoreline	State: WA Zip: 98133
City: Shoreline		Phone: 206-801-2482	
Phone: n/a		Email:	
III. CERTIFIED SITE ASSESSOR			
Service Provider Name: Dylan Frazer		Company Name: Landau Associates	
Cell Phone: n/a	Email: dfrazer@landauinc.com	Address: 130 2 nd Avenue South	
Certification #: 8036209	Exp. Date: 10/13/17	City: Edmonds	State: WA Zip: 98020
IV. TANK INFORMATION			
TANK ID	TANK CAPACITY	LAST SUBSTANCE STORED	DATE SITE CHECK OR ASSESSMENT CONDUCTED
UST-1	2,000	Gasoline	9/28/15
UST-2	2,800	Diesel	9/28/15
UST-3	2,800	Gasoline	9/28/15
UST-4	2,800	Gasoline	10/7/15
UST-5	3,000	Gasoline	10/7/15
UST-6	300	Waste Oil	10/9/15
V. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT (check one)			
<input checked="" type="checkbox"/> Release investigation following permanent UST system closure (i.e. tank removal or closure-in-place).			
<input type="checkbox"/> Release investigation following a failed tank and/or line tightness test.			
<input type="checkbox"/> Release investigation following discovery of contaminated soil and/or groundwater.			
<input type="checkbox"/> Release investigation directed by Ecology to determine if the UST system is the source of offsite impacts.			
<input type="checkbox"/> UST system is undergoing a "change-in-service", which is changing from storing a regulated substance (e.g. gasoline) to storing a non-regulated substance (e.g. water).			
<input type="checkbox"/> Directed by Ecology for UST system permanently closed or abandoned before 12/22/1988.			

Other (describe):

VI. CHECKLIST

**The site assessor must check each of the following items and include it in the report.
Sections referenced below can be found in the Ecology publication
*Guidance for Site Checks and Site Assessments for Underground Storage Tanks.***

	YES	NO
1. The location of the UST site is shown on a vicinity map.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. A brief summary of information obtained during the site inspection is provided (Section 3.2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. A summary of UST system data is provided (Section 3.1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. The soils characteristics at the UST site are described. (Section 5.2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Is there any apparent groundwater in the tank excavation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. A brief description of the surrounding land use is provided. (Section 3.1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. The name and address of the laboratory used to perform analyses is provided. The methods used to collect and analyze the samples, including the number and types of samples collected, are also documented in the report. The data from the laboratory is appended to the report.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. The following items are provided in one or more sketches:		
• Location and ID number for all field samples collected	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• If applicable, groundwater samples are distinguished from soil samples	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Location of samples collected from stockpiled excavated soil	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Tank and piping locations and limits of excavation pit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Adjacent structures and streets	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Approximate locations of any on-site and nearby utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. If sampling procedures are different from those specified in the guidance, has justification for using these alternative sampling procedures been provided? (Section 3.4)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method, and detection limit for that method. Any sample exceeding MTCA Method A cleanup standards are highlighted or bolded.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Any factors that may have compromised the quality of the data or validity of the results are described.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred. The requirements for reporting confirmed releases can be found in WAC 173-360-372.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

VII. REQUIRED SIGNATURES

Signature acknowledges the Site Check or Site Assessment complies with UST regulations WAC 173-360-360 through -395.

Dylan Frazer



12/18/15

Print or Type Name

Signature of Certified Site Assessor

Date

SITE CHECK/SITE ASSESSMENT CHECKLIST

FOR UNDERGROUND STORAGE TANKS

INSTRUCTIONS

This checklist must accompany the results of a Site Check Report, which is performed if a release of petroleum or other regulated substance is suspected. It is also required to accompany a Site Assessment Report, which is required following the permanent closure or “change-in-service” of an underground storage tank system. This form is required to be filled out whether or not contamination is found. This checklist is to be completed by the Site Assessor and submitted **within thirty days of completing** these activities to the following address:

Dept. of Ecology
UST Section
PO Box 47655
Olympia, WA 98504-7655

- I./II. UST Facility and Owner/Operator Information:** Fill out these sections completely. If you do not know your UST ID number, include the facility compliance tag number.
- III. Service Provider Information:** It is the responsibility of the ICC-certified Site Assessor to ensure that sampling and documentation procedures are completed in accordance with Ecology’s *Guidance for Site Checks and Site Assessment for Underground Storage Tanks*.
- IV. Tank Information:** Use the same Tank identification numbers listed on the facility’s Business License which is based on the most recent UST Addendum on file with Ecology. List the last substance stored in each tank, the tank sizes and the date the site check or site assessment was completed.
- V. Required Signature:** The Site Assessor signature certifies these procedures were followed.

All confirmed releases must be reported to Ecology by the owner within 24 hours and by service providers within 72 hours of discovery. A Site Characterization Report must be submitted to Ecology within 90 days after confirming a release.

Further questions? Please contact your regional office below and ask for a tank inspector to assist you.

Regional Office

Counties Served

Central (509) 575-2490

Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima

Eastern (509) 329-3400

Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman

HQ (360) 407-7170

Federal facilities in Western Washington

Northwest (425) 649-7000

Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom

Southwest (360) 407-6300

Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, Wahkiakum

or find a complete list of UST inspectors at:
www.ecy.wa.gov/programs/tcp/ust-lust/people.html