August 13, 2017
G-Logics Project Number 01-1140-B

Mr. Greg Rairdon
13009 NE 126th Pl
Kirkland, WA 98034

Subject: **Additional Soil and Groundwater Sampling**
Auburn Way Property
3025 Auburn Way N
Auburn, WA 98002

Dear Mr. Rairdon:

G-Logics was authorized by Rairdon Auto Group (Rairdon) to conduct soil and groundwater sampling at the subject property located at 3025 Auburn Way N in Auburn, WA (Property). The location of the property is shown on Figures 1 and 2.

This report documents soil and groundwater explorations intended to assess the possible presence of soil and/or groundwater contamination caused by automobile sales and/or service operations on the Property. The scope of this exploration work was based on the results of G-Logics report dated July 18, 2017 titled *Phase I Environmental Site* Assessment, *Auburn Way Property North Parcel*, Auburn, Washington.

Our work was performed in accordance with our workplan dated July 14, 2017 and subsequent telephone/e-mail communications. The results of our site explorations are subject to the presented limitations.

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01-1140-B-RT

Background

The subject property historically has been occupied by an automobile dealership and a service garage since at least the early 1970s. Historical practices for handling and disposal of waste materials during that time are unknown. As summarized in the G-Logics Phase I report, a document prepared by GeoEngineers (March 22, 2002) indicates soil contamination associated with 14 former underground hoists was successfully removed in February 2002. These hoists had been located inside the former dealership building (see Figures 2 and 3 for this building location).

Additionally, a former 550-gallon used-oil UST was removed from an area located along the northern boundary of the Property, on the west side of the former building shown on Figures 2 and 3. A Phase II exploration was conducted in this area by Stemen Environmental, Inc. (SEI), as confirmed in a report dated December 20, 2012. Six soil samples and two groundwater grab samples were collected. None of the analyzed samples contained detectable concentrations of gasoline, diesel, oil-range hydrocarbons, or volatile organic compounds (VOCs). However, no samples were analyzed for metals, carcinogenic polycyclic-aromatic hydrocarbons (cPAHs), polychlorinated biphenyls (PCBs), or naphthalene. A copy of the SEI report is attached as Appendix A. A recent conversation with Mr. Stemen indicated multiple injections of bioremediation compounds were completed in the area on the adjacent property to the north in an area close to the former UST.

To provide additional data for the former UST area and areas shown on Figure 3, additional site explorations were conducted as described below.

Regulatory Background

The rules that guide the cleanup process at sites within Washington are known as the Model Toxics Control Act (MTCA) Cleanup Regulation, which is administered by the Washington Department of Ecology (Ecology). MTCA “establishes administrative processes and standards to identify, investigate, and cleanup facilities where hazardous substances have come to be located” (WAC 173-340-100).

Soil and groundwater Cleanup Levels promulgated under MTCA are often used as standards for deciding when additional investigation or cleanup is appropriate. For this project, we have compared analytical laboratory results to published MTCA Method A and/or B Cleanup Levels for soil and groundwater.

G-Logics Services

G-Logics completed nine soil borings (GLB-1 through GLB-9) and collected groundwater grab samples from temporary wells installed in four of the borings (GLB-1, GLB-5, GLB-6 and GLB-7). After the initial sampling, one groundwater monitoring well (GL-MW-1) was completed adjacent to GLB-5 and a groundwater sample was collected/analyzed.

Boring locations are shown on Figure 3. All borings were drilled by ESN Northwest using truck-mounted probe equipment (direct-push). The borings were advanced to depths ranging from approximately 12 to 15 feet below ground surface. These borings generally encountered a structural-fill material from the surface to approximately 4 to 5 feet.

The fill consisted of a silty sand and gravel mix. Fine-grain materials were encountered below the fill, generally consisting of silt with clay to a depth of 8 to 9 feet, followed by silty, fine grain sand to the bottom of the borings. Groundwater was encountered between approximately 6 and 9 feet below ground surface.

During drilling, soil samples were collected for soil identification and chemical analysis. A photoionization detector (PID) was used to screen for volatile organic compounds (VOCs) in the collected soil samples. The results, measured in parts per million by volume (ppmv), were noted on the soil data table (Table 1) and boring logs.

A G-Logics geologist was present during the exploration work to observe and document soil conditions. Please see our description of the field exploration methods in Appendix B. Boring logs and well construction information are presented in Appendix C.

Soil Sample Analyses

Based on PID readings and visual observations, selected soil samples were submitted to the analytical laboratory and analyzed for the following contaminants.

Analyses
Diesel Range Organics(DRO) / Heavy Oil Range Organics (ORO)
Gasoline (GRO)/BTEX
PCBs
Volatile Organic Compounds (VOC)
Polyaromatic Hydrocarbons (PAH)
Carcinogenic Polyaromatic Hydrocarbons (cPAHs)
MTCA-5 Metals (Pb, As, Cr, Cd, Hg)
Hexavalent Chromium

Results of these analyses are presented in Table 1 of this report. The analytical laboratory reports for the analyzed soil samples are attached as Appendix D. Chain-of custody forms are also included in Appendix D.

The findings of the analyzed soil samples are summarized below.

- Of the soils analyzed, and for the above-listed analyses, only ORO was detected at concentrations above MTCA cleanup level in two of the borings (GLB-1 and GLB-7).
- Interpretations of ORO in soil at the Site are presented on Figure 3a.
- To assess if the bioremediation compounds injected by SEI on the north-adjacent property had inflated ORO concentrations, several samples also were analyzed using silica-gel methods to remove polar non-petroleum hydrocarbons from the petroleum-hydrocarbon calculations. Based on the reanalysis results, also presented on Table 1, the initial samples remain valid for the detected ORO concentrations.

Groundwater Sample Analysis

Groundwater samples were collected from selected borings and the newly installed monitoring well (GL-MW-1) at the Site. Groundwater samples were submitted to the analytical laboratory and analyzed for the following contaminants.

Analyses
Diesel Range Organics(DRO) / Heavy Oil Range Organics (ORO)
Gasoline (GRO)/BTEX
PCBs
Volatile Organic Compounds (VOC)
Polyaromatic Hydrocarbons (PAH)
Carcinogenic Polyaromatic Hydrocarbons (cPAHs)
MTCA-5 Metals (Pb, As, Cr, Cd, Hg)
Total Arsenic
Dissolved Arsenic

Results of these analyses are presented in Table 2 of this report. The analytical laboratory reports for the analyzed groundwater samples are attached as Appendix D. Chain-of custody forms are also included in Appendix D.

The findings of the analyzed groundwater samples are summarized below.

- GRO, VOCs, PCBs, and PAHs were not detected in any of the analyzed-groundwater samples.
- DRO was detected above the MTCA cleanup level in one grab-groundwater sample from GLB-7 (1,200 mg/kg).
- ORO was detected at concentrations above the MTCA cleanup level in grab-groundwater samples collected from GLB-1, GLB-5, and GLB-7.
- A groundwater sample from monitoring well GL-MW-1 (same location as GLB-5) reported ORO concentrations below the MTCA cleanup level.
- Interpretations of ORO in groundwater at the Site are presented on Figure 3a.
- To further assess if the bioremediation compounds injected by SEI on the north-adjacent property had inflated DRO or ORO concentrations, several

groundwater samples also were reanalyzed using silica-gel methods. Based on the reanalysis results, also presented on Table 2, the initial samples remain valid for the detected DRO or ORO concentrations.

- Total and dissolved concentrations of Arsenic were reported above the MTCA cleanup level in the grab-groundwater samples from GLB-5, GLB-7, and the groundwater sample collected from the monitoring well GL-MW-1.

Groundwater Depth Measurements

Groundwater was found at depths ranging from approximately 6 to 9 feet based on boring observations. Groundwater was measured in the temporary wells between 7.5 and 10.8 feet, but a groundwater-flow direction was not assessed. However, based on area topography, groundwater is expected to be flowing to the north.

Quality Assurance/Quality Control

Quality Assurance/Quality Control (QA/QC) during all G-Logics exploration efforts include generally accepted procedures for sample collection, storage, tracking, documentation, and analysis. G-Logics also completed appropriate chain-of-custody documentation during all exploration efforts.

The laboratory conducted matrix spike, matrix-spike duplicate, and method blank analyses. Laboratory QA/QC information is included with the laboratory report in Appendix D.

Conclusions

The completed work provides the following information.

- Soil borings encountered fill materials in shallow soils across the Property to a depth of 4-5 feet. Below the fill, several feet of fine-grain soils (silts and clays) cap a fine-grain sand unit that contains groundwater.
- ORO hydrocarbons (understood to be associated with the former used-oil UST were found exceeding the MTCA cleanup level in soils along the northern property boundary.
- Other possible contaminants, such as chlorinated solvents and PCBs, were either not detected in the analyzed samples or were below cleanup levels.
- The samples with elevated concentrations of ORO were reanalyzed using silica-gel methods to assess for possible interference by the nearby

bioremediation treatments. These reanalysis results indicated the microbe injections did not significantly change the identified contaminant concentrations.

- The grab-groundwater sample collected from the open boring GLB-5 reported ORO hydrocarbons exceeding the MTCA cleanup level. Due to potential concerns regarding turbidity in the sample, which could yield and non-representative results, a groundwater-monitoring well (GL-MW-1) was installed in this area. Analysis of a non-turbid water sample from the well demonstrated that ORO concentrations are below the cleanup level.
- Analyzed-groundwater samples reported arsenic concentrations exceeding the MTCA cleanup levels (total and dissolved) in several locations. A groundwater sample from well GL-MW-1 also was collected and analyzed for arsenic to assess if turbidity in the original sample also yielded non-representative results. These reanalysis results indicated arsenic appears to be elevated in the groundwater in this area.
- Groundwater was encountered between 6 to 9 feet at the Property. Based on local topography, groundwater is understood to be flowing in a northerly direction.

Discussion

While the used-oil UST was removed during the 1980s, the recent analytical results demonstrate that residual ORO contamination remains present near the former UST location. Soil and groundwater contaminants in this area could be treated by a variety of in-situ methods. However, based on our experience with similar projects, soil excavation and off-site disposal is the preferred course of action in terms of providing permanence, protectiveness, and long-term effectiveness.

The nature and extent of arsenic reported in the analyzed-groundwater samples is not clearly defined. G-Logics understands that elevated concentrations of arsenic are common in the Puget Sound area, given the numerous volcanos and other natural sources. Additionally, no potential sources or historical uses of arsenic have been identified at this Property. If arsenic was released in the area of the used-oil UST, excavation in this area likely also would remove this contaminant.

For the arsenic identified in the groundwater from GL-MW-1, potential exposures are very limited. Specifically, this area is covered with buildings or asphalt, prohibiting direct contact with the groundwater. Furthermore, the shallow groundwater in this area likely

would be of low quality and would yield insufficient quantities to be considered to be a viable source of drinking water.

Recommendations

The following section presents our recommendations concerning the findings of this exploration.

- G-Logics recommends conducting a remedial excavation to remove petroleum-contaminants identified by the exploratory borings GLB-1, GLB-7, and S4 (former used-oil UST area). Additionally, removal of impacted shallow groundwater in the former UST area should be performed. In light of the anticipated location of contamination, we recommend that the remedial excavation extend onto the neighboring adjacent property to the north in order to remove any remaining petroleum-contaminants in soils and shallow groundwater.
- Additional groundwater monitoring wells should be installed to confirm the appropriate removal of the contaminants in the former UST area. These wells likely will be required for purposes of obtaining a No Further Action opinion from the Washington Department of Ecology (Ecology) or the Pollution Liability Insurance Agency (PLIA).
- Given the lack of an identified source of arsenic on or from the Property, the natural sources of arsenic in this area of Washington, and the very low risks presented by the identified groundwater concentrations, G-Logics does not believe cleanup work near GL-MW-1 regarding detected arsenic in shallow groundwater is warranted or would be cost effective. However, additional exploration efforts should be conducted to provide better information regarding the presence of arsenic in shallow groundwater at the Property. Specifically, the installation and sampling of additional groundwater-monitoring wells, and the collected soil and groundwater data, would support the decisions regarding further actions in this area of the Property.

Limitations

The scope of work on this project was presented in our identified workplan and subsequently approved by Rairdon. Please be aware our scope of work was limited to those items specifically identified in the workplan. Other activities not specifically included in the presented scope of work (in a workplan, correspondence, or this report) are excluded and are therefore not part of our services.

Land use, site conditions (both on-site and off-site), and other factors will change over time. Since site activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings, and opinions can be considered valid only as of the date of the site visit.

The property owner is solely responsible for notifying all governmental agencies and the public at large of the existence, release, treatment, or disposal of any hazardous materials identified at the project site. G-Logics assumes no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury which results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials.

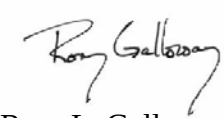
This report is prepared for the sole use of our client. The scope of services performed during this assessment may not be appropriate for the needs of other users. Re-use of this document or the findings, conclusions, or recommendations presented herein, are at the sole risk of said user(s). Our client and regulatory agencies also may make additional copies of this document for their internal and public use, or as required by law. All other users of this document must acknowledge our copyright and indicate that permission to use has been received from G-Logics and our Client. Any party other than our client who would like to use this report shall notify G-Logics of such intended use by executing the “Permission and Conditions for Use and Copying” contained in this document. Based on the intended use of the report, G-Logics may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements will release G-Logics from any liability resulting from the use of this report by any unauthorized party.

No warranty, either express or implied, is made.

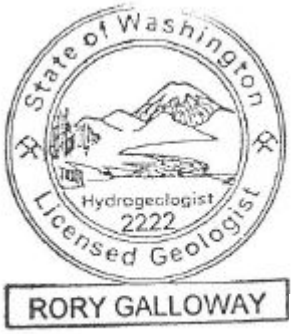
Closing

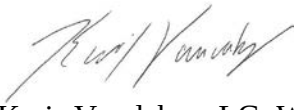
We appreciate this opportunity to provide our services to Rairdon. Please contact us at your convenience with any questions regarding our work or findings.

Sincerely,
G-Logics, Inc.



Rory L. Galloway, LG, LHG
Principal





Karis Vandehey, LG, WSLWD
Staff Geologist

Jon Stordahl
Staff Geologist

FIGURES

Figure 1:	Site Location Map
Figure 2:	Site Diagram
Figure 3:	Site Diagram, Exploration Location
Figure 3a:	Site Diagram, Approximate Impacted Areas

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Table 1	Soil Sample Analyses
Table 2	Groundwater Sample Analysis

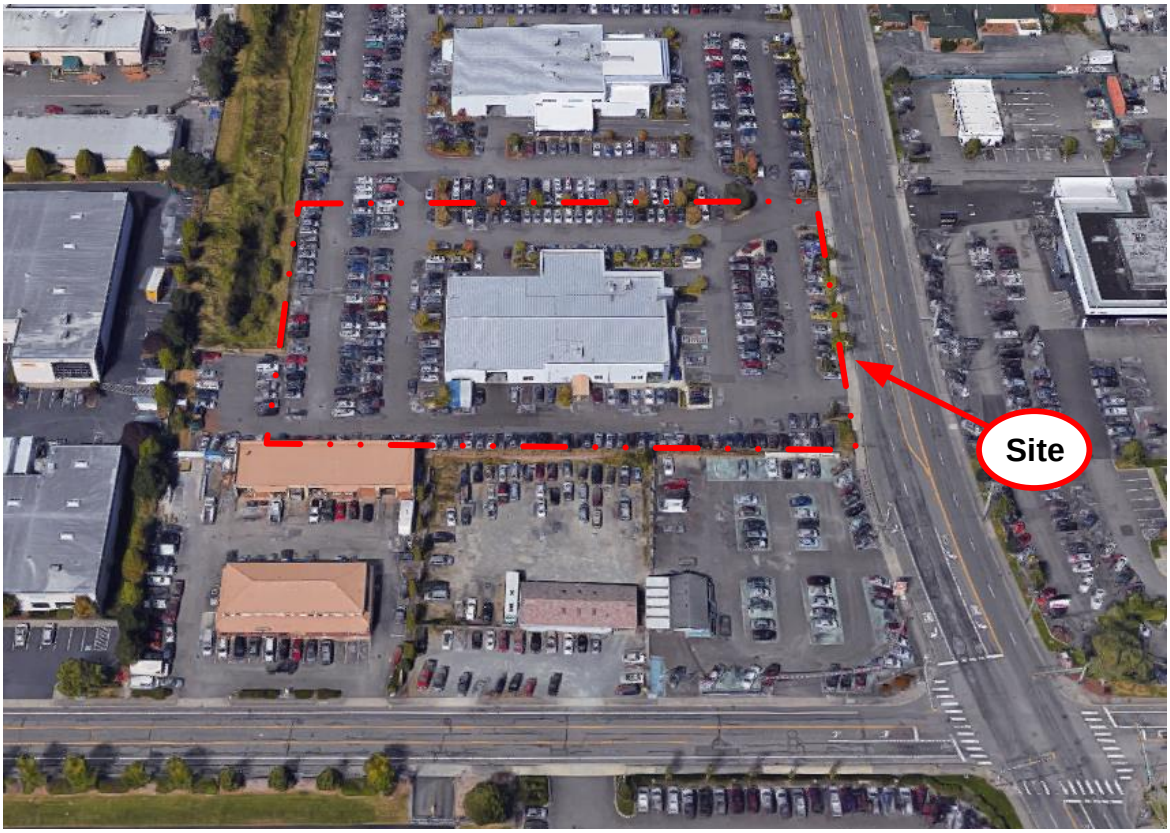
APPENDICES

Appendix A:	Stemen Environmental Inc. Limited Phase II Environmental Site Assessment, December 20, 2012
Appendix B:	Exploration Field Methods
Appendix C:	Boring Logs
Appendix D:	Laboratory Data and Chain-of-Custody Documents

ATTACHMENTS

Attachment A:	Permission and Conditions for Use and Copying

FIGURES



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Site Location Maps

Auburn Way Property North Parcel

3025 Auburn Way N

Auburn, Washington

Figure

1

Project File: 01-1140-B-F1.vsd

Mapping Reference: Delorme and Google Maps

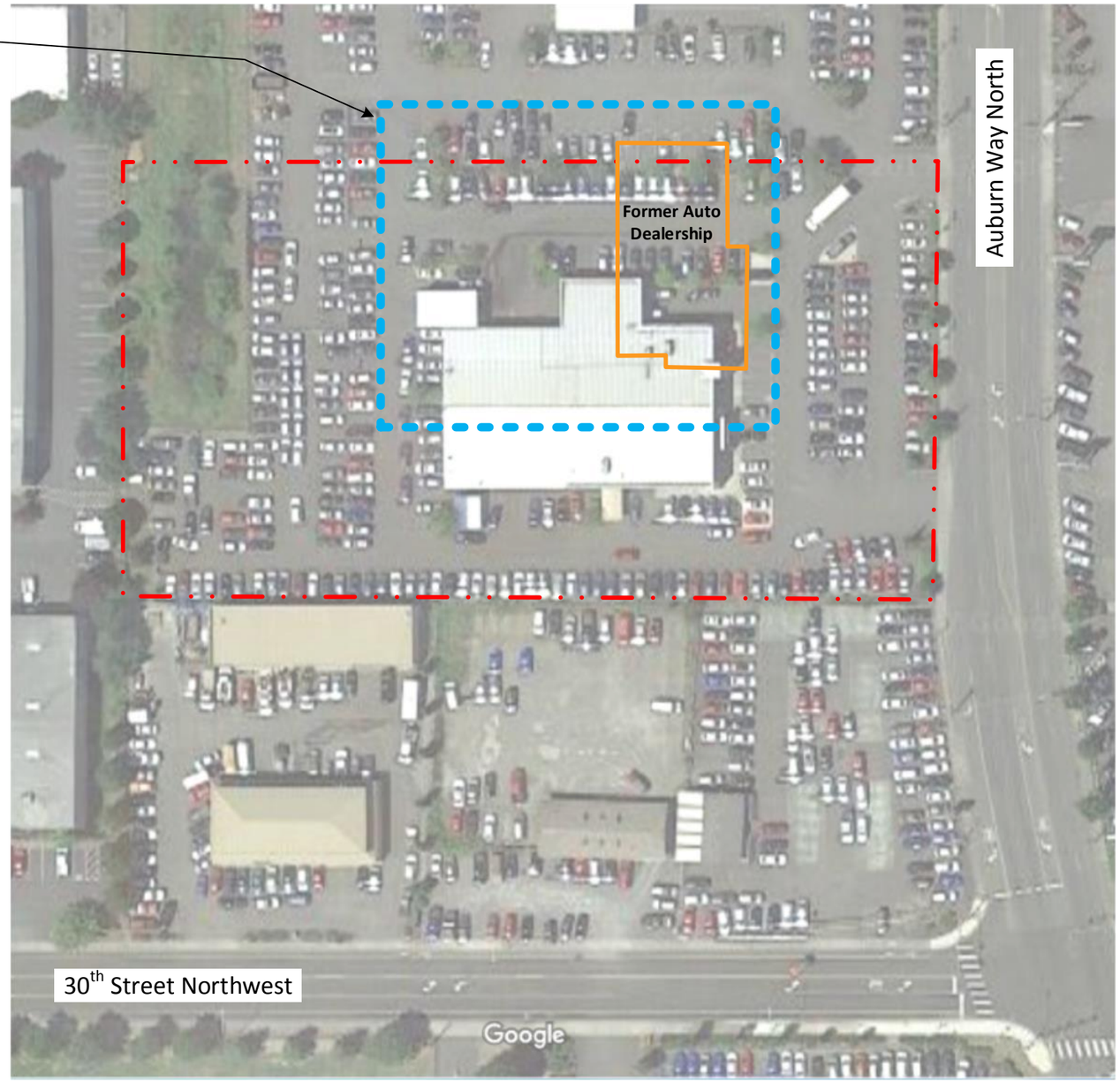
N

Figure

Property Boundary

Former Auto Dealership Building

See Figure 3



Project File: 01-1140-B-RT-F2.vsd

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Approximate Drawing Scale: 1" = 80'

0 ft. 48 ft. 80 ft. 160 ft.

Note: This figure contains information in color. Black & white photocopies may not be suitable for review.

Site Diagram
Auburn Way Property
3025 Auburn Way North
Auburn, Washington

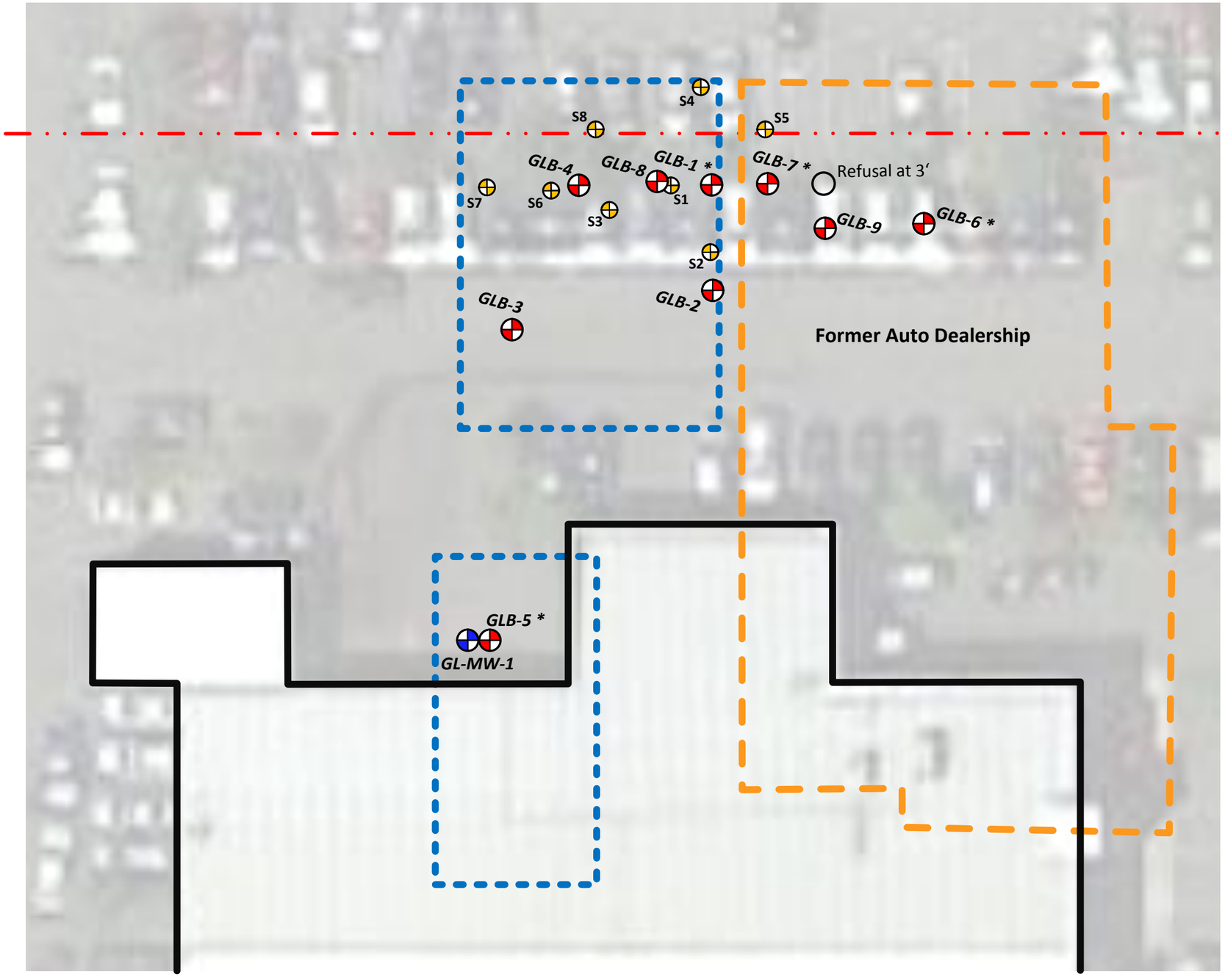
Figure 2

Mapping Reference: Google Maps, King County iMap, EDR Aerial 1990, and Stemen Phase II 2012

N

Legend

- Property Boundary
- Existing Building
- Former Auto Dealership, 1990
- 1998 and 2000 Bldg. Additions
- GLB-1 — G-Logics Boring Locations
- GL-MW-1 — G-Logics Monitoring Well
- S4 — Soil Boring Locations (Stemen 2012)
- GLB-1 * — Grab Groundwater Sample
- G-Logics Boring, Refusal



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Approximate Drawing Scale: 1" = 20'

0 ft. 12 ft. 20 ft. 40 ft.

Note: This figure contains information in color. Black & white photocopies may not be suitable for review.

Site Diagram, Exploration Locations
Auburn Way Property
3025 Auburn Way North
Auburn, Washington

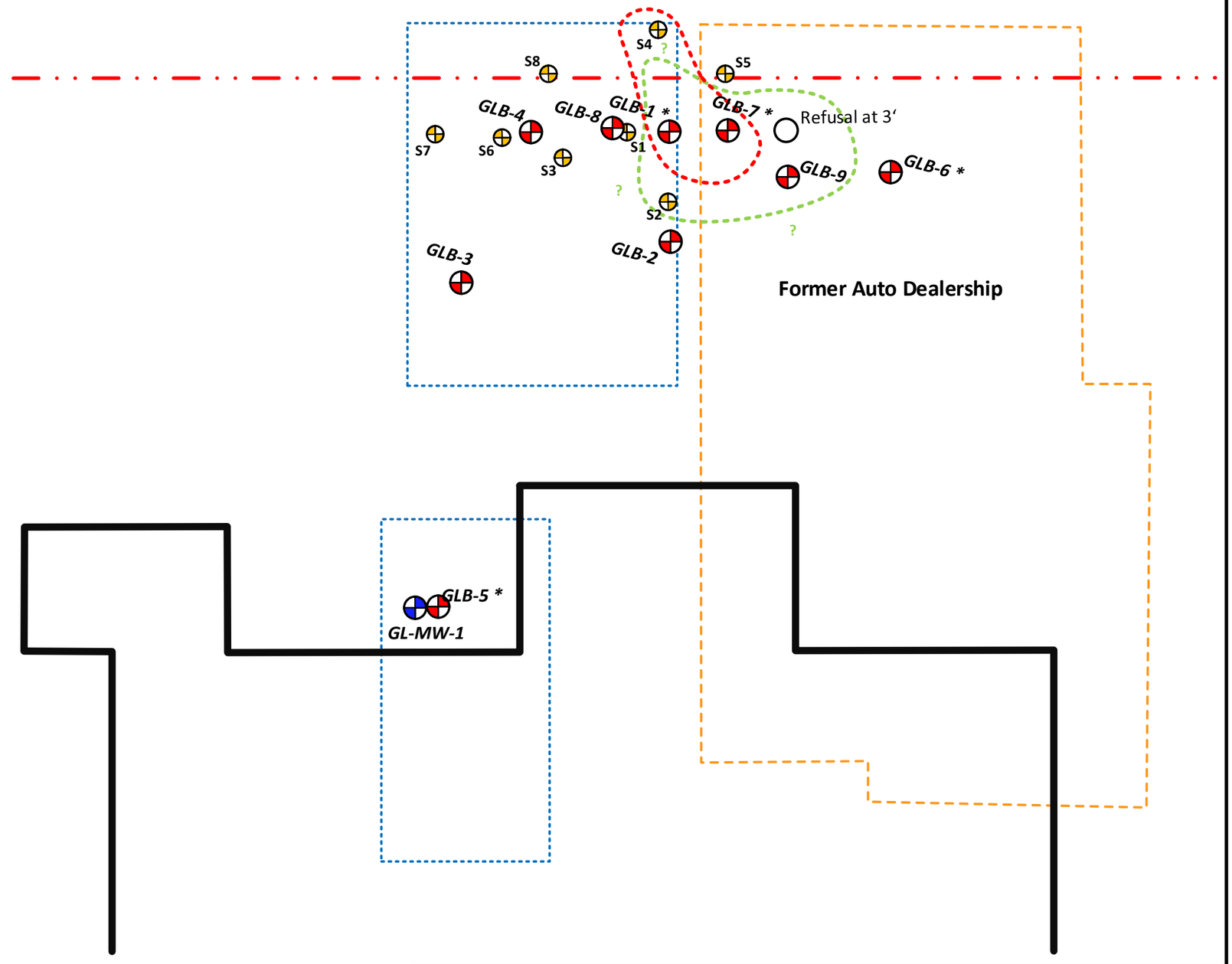
Figure 3

Mapping Reference: Google Maps, King County iMap Aerials 1990, 1998, 2000, 2015, Riley Phase I, Stemen Phase II 2012, and G-Logics Site Visit Observations and Measurements

N

Legend

- Property Boundary
- Existing Building
- Former Auto Dealership, 1990
- 1998 and 2000 Bldg. Additions
- GLB-1 — G-Logics Boring Locations
- GL-MW-1 — G-Logics Monitoring Well
- S4 — Soil Boring Locations (Stemen 2012)
- GLB-1 * — Grab Groundwater Sample
- G-Logics Boring, Refusal
- Inferred ORO Concentration >MTCA Cleanup Level in Soil
- Inferred ORO Concentration >MTCA Cleanup Level in Water



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Approximate Drawing Scale: 1" = 20'

0 ft. 12 ft. 20 ft. 40 ft.

Note: This figure contains information in color. Black & white photocopies may not be suitable for review.

Site Diagram, Approximate Impacted Areas
Auburn Way Property
3025 Auburn Way North
Auburn, Washington

Figure 3a

Mapping Reference: Google Maps, King County iMap Aerials 1990, 1998, 2000, 2015, Riley Phase I, Stemen Phase II 2012, and G-Logics Site Visit Observations and Measurements

TABLES

TABLE 1
Soil Sample Analysis
Auburn Way Property
3025 Auburn Way North
Auburn, Washington

Exploration Location	Sample Date	Sample Number	Sample Depth (ft)	PID Reading (ppmv)	Gasoline Range Organics	Diesel Range Organics	Heavy Oil Range Organics	Heavy Oil Range Organics (SGT)	Benzene	Toluene	Ethylbenzene	Xylenes	Aroclor1016	Aroclor1221	Aroclor1232	Aroclor1242	Aroclor1248	Aroclor1254	Aroclor1260	Aroclor1262	Aroclor1268	Total PCBS	Arsenic	Cadmium	Chromium (III)	Chromium (IV, Hexavalent)	Lead	Mercury	VOCs	Acenaphthalene	Acenaphthene	Anthracene	Benzo(a)anthracene**	Benzo(b)fluoranthene***	Benzo(k)fluoranthene***	Benzo(g,h,i)perylene	Benzo(a)pyrene***	Chrysene***	Dibenzo(a,h)anthracene**	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene***	Phenanthrene	Pyrene	Total cPAHs
MTCA Cleanup Level (2)(3)				NA	100(a)/30(b)	2,000	2,000	2,000	0.03	7	6	9	14.3*	**	**	**	**	0.05*	0.05*	**	**	1	20	2	2,000	19	250	2	Various (c)	**	4,800*	24,000*	1.37*	1.37*	13.7*	**	0.1	137*	0.137*	3,200*	3,200*	1.37*	**	2,400*	1
(units in mg/kg)																																													
Stemen Environmental Inc.																																													
December, 2012																																													
S1	12/12/2012	S1-8	8	---	<10	<50	<100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		S1-12	12	---	<10	<50	<100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S2	12/12/2012	S2-9	9	---	<10	<50	**120**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S3	12/12/2012	S3-9	9	---	<10	<50	<100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S4	12/12/2012	S4-8	8	---	**500**	<50	**3,800**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S5	12/12/2012	S5-9	9	---	<10	<50	<100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S6	12/12/2012	S6-9	9	---	<10	<50	<100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S7	12/12/2012	S7-8	8	---	<10	<50	<100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S8	12/12/2012	S8-8	8	---	<10	<50	<100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
G-Logics																																													
July, 2017																																													
GLB-1	7/21/2017	GLB-1-5	5	8.4	<6.10	<26.2	**6,110**	**5,990**	<0.0244	<0.0244	<0.0305	<0.0610	<0.132	<0.132	<0.132	**0.132**	<0.132	<.0132	<0.132	<0.132	<0.132	**0.132**	**15.2**	**0.278**	**27.7**	<0.682	**91.8**	<0.345	nd	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	nd
		GLB-1-10	10	0.4	---	<23.8	<59.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		GLB-1-14	14	0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GLB-2	7/21/2017	GLB-2-4	4	1.4	---	<24.3	<60.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		GLB-2-8	8	0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		GLB-2-111	11	0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GLB-3	7/21/2017	GLB-3-4	4	0.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		GLB-3-8	8	0.5	---	<24.3	<60.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		GLB-3-11	11	0.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GLB-4	7/21/2017	GLB-4-4	4	0.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		GLB-4-8	8	0.3	---	<23.9	<59.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		GLB-4-11	11	0.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GLB-5	7/21/2017	GLB-5-8	8	0.4	<5.91	<25.3	<63.4	---	<0.0237	<0.0237	<0.0296	<0.0591	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		GLB-5-12	12	0.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GLB-6	7/21/2017	GLB-6-4	4	0.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		GLB-6-8	8	0.5	<5.60	<25.3	<63.2	---	<0.0224	<0.0224	<0.0280	<0.0560	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		GLB-6-11	11	0.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GLB-7	7/21/2017	GLB-7-6	6	5.5	<5.70	<23.8	**2,160**	**2,500**	<0.0228	<0.0228	<0.0285	**0.0468**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		GLB-7-9	9	8.3	**24.3**	<26.1	**2,900**	**3,250**	<0.0241	<0.0241	<0.0302	<0.0604	<0.119	<0.119	<0.119	**0.316**	<0.119	<0.119	<0.119	<0.119	<0.119	**0.316**	**3.47**	<0.222	**20.9**	**---**	**4.09**	<0.340	nd	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	**0.0651**	**0.0701**	nd
		GLB-7-11	11	---	---	<22.3	<55.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GLB-8	7/21/2017	GLB-8-9	9	---	---	<22.3	<55.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GLB-9	7/21/2017	GLB-9-9	9	---	---	<26.9	<67.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:

(1) Refer to site diagram(s) for sampling locations. Refer to laboratory reports for analytical methods.
(2) Available Method A Cleanup Levels or Most Conservative Method B Cleanup Levels, MTCA, revised 2013. Exceeding Cleanup Levels does not necessarily trigger requirements for Cleanup Actions under MTCA. Refer to site diagram(s) for sampling locations.
(3) Gasoline Analyses by Method NWTPH-Gx, Diesel and Heavy Oil by NWTPH-Dx/Dx Ext., MTCA 5 Metals by 6020/7471, Hex Chrome by 7196, VOCs by 8260C, PAH by 8270 (SIM), PCB by 8082.
(a) Soil Cleanup Level For Gasoline With No Detectable Benzene In The Soil.
(b) Soil Cleanup Level For Gasoline With Detectable Benzene In The Soil.
(c) VOCs analyzed were not detected. See attached analytical laboratory reports for details.
* Method B Cleanup Level.
** Not researched, no available data.
*** Carcinogenic Polyaromatic Hydrocarbons (cPAH)
--- Sample not analyzed.
nd Not Detected
<50.0 Sample concentration below laboratory reporting limit.
27 Bold number(s) indicates contaminant detected, below cleanup level.
160 Bold number(s) and yellow shading indicates concentration exceeds MTCA Cleanup Level.
<250 Reporting limits exceeds cleanup level.
SGT Silica Gel Treatment

TABLE 2 (1)
Groundwater Sample Analysis
Auburn Way Property
3025 Auburn Way North
Auburn, Washington

Exploration Location	Sample Date	Sample Number	Sample Depth (ft)	Gasoline Range Organics (no detectable benzene)	Diesel Range Organics	Diesel Range Organics (SGT)	Heavy Oil Range Organics	Heavy Oil Range Organics (SGT)	Benzene	Toluene	Ethylbenzene	Xylenes	Arsenic (Total)	Arsenic (Dissolved)	Cadmium	Chromium (Total)	Lead	Mercury	Total PCBs (a)	VOCs (a)	2-Methylnaphthalene	cPAHs (a)
MTCA Cleanup Level (2)(3)				1,000	500	500	500	500	5.00	1,000	700	1,000	5	5	5	50	15	2	0.100	Various	32*	0.1
(units in ug/L)																						
Stemen Environmental Inc.																						
December, 2012																						
S1	12/12/2012	S1-W	8	<100	<250	---	<500	---	<1	<1	<1	<3	---	---	---	---	---	---	---	nd	---	---
S4 (b)	12/12/2012	S4-W	8	<100	<250	---	<500	---	<1	<1	<1	<3	---	---	---	---	---	---	---	---	---	---
S6	12/12/2012	S6-W	8	<100	<250	---	<500	---	<1	<1	<1	<3	---	---	---	---	---	---	---	---	---	---
G-Logics																						
July, 2017																						
GLB-1-W	7/21/2017	GLB-1-W	9-14ft	<50	<49.9	---	**1,670**	**1,210**	<1	<1	<1	<1	**2.44**	---	<0.200	**1.79**	**2.06**	<0.100	<0.100	nd	<0.0997	nd
GLB-5-W	7/21/2017	GLB-5-W	9-14ft	<50	<49.7	---	**700**	**599**	<1	<1	<1	<1	**20.7**	**5.19**	<0.200	**8.68**	**0.592**	<0.100	---	nd	---	---
GLB-6-W	7/21/2017	GLB-6-W	9-14ft	<50	<49.9	---	**161**	---	<1	<1	<1	<1	**6.25**	---	<0.200	**2.00**	**1.32**	<0.100	---	nd	---	---
GLB-7-W	7/21/2017	GLB-7-W	9-14ft	<50	**1,200**	**857**	**4,370**	**3,090**	<1	<1	<1	<1	**19.0**	**6.94**	<0.200	**1.87**	**1.89**	<0.100	<0.999	nd	**0.143**	nd

TABLE 2 (1)
Groundwater Sample Analysis
Auburn Way Property
3025 Auburn Way North
Auburn, Washington

Exploration Location	Sample Date	Sample Number	Sample Depth (ft)	Gasoline Range Organics (no detectable benzene)	Diesel Range Organics	Diesel Range Organics (SGT)	Heavy Oil Range Organics	Heavy Oil Range Organics (SGT)	Benzene	Toluene	Ethylbenzene	Xylenes	Arsenic (Total)	Arsenic (Dissolved)	Cadmium	Chromium (Total)	Lead	Mercury	Total PCBs (a)	VOCs (a)	2-Methylnaphthalene	cPAHs (a)
MTCA Cleanup Level (2)(3)				1,000	500	500	500	500	5.00	1,000	700	1,000	5	5	5	50	15	2	0.100	Various	32*	0.1
(units in ug/L)																						
GL-MW-1	7/31/2017	GL-MW-1	5-15ft	---	<49.9	---	**426**	---	---	---	---	---	**25.0**	**20.7**	---	---	---	---	---	---	---	---
GL-MW-1(Dup.)	7/31/2017	GL-MW-100	5-15 ft	---	<49.8	---	**375**	---	---	---	---	---	**27.9**	**21.1**	---	---	---	---	---	---	---	---

Notes:

(1) Refer to site diagram(s) for sampling locations. Refer to laboratory reports for analytical methods.

(2) Available Method A Cleanup Levels or Most Conservative Method B Cleanup Levels, MTCA, revised 2013. Exceeding Cleanup Levels does not necessarily trigger requirements for Cleanup Actions under MTCA. Refer to site diagram(s) for sampling locations.

(3) Gasoline Analyses by Method NWTPH-Gx, Diesel and Heavy Oil by NWTPH-Dx/Dx Ext., MTCA 5 Metals by 200.8/245.1, VOCs by 8260C, PAH by 8270 (SIM), PCB by 8082.

(a) Analytes were not detected. See attached analytical laboratory reports for details.

(b) No analytical laboratory report included in the Stemen Environmental report to verify analytical data.

* Method B Cleanup Level.

** Not researched, no available data.

--- Sample not analyzed.

nd Not Detected

Dup. Duplicate Sample for QA/QC.

<50.0 Sample concentration below laboratory reporting limit.

27 Bold number(s) indicates contaminant detected, below cleanup level.

160 Bold number(s) and yellow shading indicates concentration exceeds MTCA Cleanup Level.

<250 Reporting limits exceeds cleanup level.

SGT Silica Gel Treatment

APPENDIX A

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

DECEMBER 20, 2012

COMMERCIAL PROPERTY
3025 AUBURN WAY NORTH
AUBURN, WASHINGTON
TAX PARCEL #000400-0039

Prepared By

Paul W. Stemen

Stemen Environmental, Inc.

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STEMEN ENVIRONMENTAL, INC.

P.O. BOX 3644
LACEY, WASHINGTON 98509-3644
CONTR. LIC. #STEMEEI081J9

Telephone 360-438-9521 Fax 360-412-1225

December 20, 2012

R&E Investments LLC
c/o Mr. Roger Vermazen
La Quinta, California 92253

Dear Mr. Vermazen:

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT FOR THE AUBURN SUBARU SITE LOCATED AT 3025 AUBURN WAY N., AUBURN, WASHINGTON. TAX PARCEL#000400-0039

1.0 SITE CHARACTERISTICS AND BACKGROUND

The subject property consists of approximately 2.95 acres of commercially zoned, and commercially developed land located 3025 Auburn Way, Auburn, Washington. The subject site is located at Latitude 47.33487 Longitude -122.2234, and in northeast 1/2 of the southeast 1/4 of Section 6, Township 21 North, Range 5 East. The subject property is listed by the King County Assessor's Office as Tax Parcel #000400-0039

The subject property is located on the western side of Auburn Way North.

The subject property is bordered on the east by Auburn Way N. and developed commercial properties, on the west by a storm water pond/ditch and developed commercial properties, on the south by developed commercial properties, on the north by developed commercial properties.

The subject property is located in an area that is primarily occupied by light industrial, commercial businesses, automobile dealerships, and retail businesses.

Current development of the subject site consists of one (1) single-story, 16,054 square foot commercial building constructed on the subject property in 2002.

Available information indicates the subject property was originally part of a 6.75 acre parent parcel. The parent parcel was comprised of the 2.95 acres of land listed as current Tax Parcel #000400-0039, the subject property, and the approximately 3.8 acres of land listed as Tax Parcel #000400-0041. The previous parent parcel was split into the two current parcels of land in 1999.

In 1971, a single story, 14,386 square foot automotive dealership building was constructed on the parent parcel. The buildings footprint extended a short distance beyond the current boundary/property line that separates the two (2) current parcels of land/properties. The

dealership's automotive service department was located in a portion of the building that extended beyond current property line.

Information contained in a Phase I Environmental Assessment Report issued by The Riley Group indicates that multiple underground hydraulic lift systems, and one (1) 550 gallon underground used oil storage tank were located within the boundaries of the service department's portion of the building.

Documents contained in the Phase I report confirm that the 550 gallon used oil tank was excavated and removed from the subject property by Joe Hall Construction Inc. under permit #BLD0661-89 issued by the City of Auburn Public Works Department. The document indicates that Dave Smith, an inspector with the City of Auburn Fire Department witnessed the tank removal project on 11/14/89 and noted that it "Looked Clean". A Notice of Permanent Closure of Underground Storage Tanks was submitted to the Department of Ecology. The Notice noted that Mr. Smith inspected the removal project, a Site Assessment was performed, and that no contamination was found. The Notice was issued on 11/14/89.

The reported previous burial location for the 550 gallon used oils now occupied by vehicle parking spaces and/or a landscaped median that runs along the northern property line of the subject property.

The service garage also was serviced by multiple underground hydraulic lift systems. In July of 2001, GeoEngineers performed a Phase II Study of the groundwater at selected locations down gradient from the locations of the underground hydraulic lifts/hoists. Diesel and heavy oil range hydrocarbons were not detected in the water samples obtained from nine (9) borings. A copy of this was not available for review by the Riley Group.

The above described dealership building was demolished in 2002. Information contained in a an Environmental Services Report issued by GeoEngineers, fourteen (14) underground hydraulic lift cylinders were excavated and removed from the site as part of the building demolition project. the report states that approximately 70 cubic yards of petroleum contaminated soils were excavated and removed from the site. Laboratory analyses results for thirteen (13) confirmation soil samples obtained from the excavations by GeoEngineers reported no presence of diesel fuel and/or lube oil range hydrocarbons at levels exceeding MTCA Method A Clean Up Levels of 2000 mg/kg.

Based on the information reviewed by the Riley Group as part of the Phase I Environmental Assessment, they recommended the sampling of the subsurface soils at the former burial location of the previously removed 550 gallon used oil storage tank.

On December 12, 2012, a Limited Phase II Environmental Assessment of the subsurface soils and groundwater located along the southern perimeter of the commercial property located at 3109 Auburn Way North was performed. The purpose of the limited investigation was to assess the impacts of the presence and use of a 550 gallon underground used oil tank that was previous buried in close proximity to the southern perimeter of the property. The oil tank was excavated and removed on November 14, 1989. (See above for additional information on the property and the used oil tank)

The limited environmental investigation included the advancing of three (3) investigative boreholes at selected areas of interest along the southern perimeter of the property and in the reported immediate area where the underground used oil tank was previously buried.

A total of three (3) investigative soil samples and one (1) investigative groundwater sample were obtained from the boreholes and were submitted for appropriate laboratory analyses.

Laboratory analyses results for investigative soil samples S5-9 and S8-8 reported no detectable presence of gasoline, diesel fuel and/or lube oil range T.P.H.

Laboratory analyses results for investigative soil sample S4-8 reported the presence of gasoline range T.P.H. and lube oil range T.P.H. at levels that exceed MTCA Method A Clean Up Levels.

Laboratory analyses results for investigative groundwater sample S4-W reported no detectable presence of gasoline range T.P.H., diesel fuel range T.P.H., and/or lube oil range T.P.H.

The confirmed presence of gasoline and lube oil range T.P.H., at levels that exceed MTCA Method A Clean Up Levels, in the subsurface soils on the commercial property located at 3109 Auburn WAy North, Auburn, Washington, was properly reported to the Department of Ecology's Northwest Regional Office.

2.0 INVESTIGATIVE SOIL SAMPLING

The purpose of this limited on-site investigation of the subsurface soils beneath selected portions of the subject property was to assess the impacts of the presence of previously removed 550 gallon underground used oil storage tank on the current environmental integrity of the subject property.

Prior to the commencement of any on-site activities, I attended an on-site meeting with Mr. Mike Scarff, the current tenant of the subject property and Mr. Podgorski, a knowledgeable interested party that has been associated with the operations of the automobile related businesses on the subject property and the neighboring property to the north for 25+ years. During the on-site meeting, based on the review of various aerial photos and Mr. Podgorski's recollections, we all agreed on the immediate area where the 550 gallon used oil tank was previously buried.

Based on these findings, an investigative sampling plan was developed for sampling of the subsurface soils and/or groundwater in this immediate area.

Prior to the commencement of any on-site investigative sampling activities all underground utilities were located by Public and Private Underground Utility Locating Services.

On December12, 2012, I supervised the advancing of five (5) investigative boreholes at selected locations on the subject property using a Direct Push Sampling System supplied and operated by a Licensed Geologist from ESN Northwest, Inc. of Olympia, Washington.

I obtained six (6) discreet soil samples and two (2) groundwater samples from the advanced boreholes and submitted the soil samples for appropriate laboratory analyses.

SAMPLING LOCATION S1

Sampling location S1 is present at Longitude 122' 13' 22" West Latitude 47'20'7" North and at a location directly adjacent to the northern perimeter of the subject property. The boring is located in the center (east/west) of the proposed sampling area and 15 feet south and 10 feet west of Sampling location S4 on the northerly neighboring property. The boring was advanced through the asphalt surface materials and advanced to an approximate depth of 12 feet b.g.s.

Soils removed from this soil boring possessed no noticeable signs (staining/odor) of being adversely impacted by petroleum products.

Asphalt and base gravels were present at depths of 1 foot b.g.s. (below ground surface) or less, tan/brown colored soils and gravels were present at depths ranging from 1-4 feet b.g.s., moist brown colored fine grain sand and silts at depths ranging from 4-8 feet b.g.s., and wet, dark brown fine grain sand and silts at depths ranging from 8-12 feet b.g.s.

Groundwater was present at a depth of 8 feet b.g.s. at this location.

Investigative soil sample S1-8 was obtained from moist dark colored sands present at a depth of 8 feet b.g.s. and just above the water level, while soil sample S1-12 was obtained from wet dark brown colored sands present at a depth of 12 feet b.g.s. (below ground surface).

Investigative groundwater sample S1-W was obtained from groundwater present at a depth of 8 feet b.g.s.

Investigative soil and groundwater samples were submitted for appropriate laboratory analyses.

Investigative groundwater sample S1-W was obtained from groundwater present at a depth of 8 feet b.g.s.

Laboratory analyses results for investigative soil samples S1-4, and S1-12 reported no detectable presence of gasoline range T.P.H., diesel fuel range T.P.H. and/or lube oil range T.P.H. (total petroleum hydrocarbons).

Laboratory analysis results for investigative groundwater sample S1-W reported no detectable presence of gasoline range T.P.H., diesel fuel range T.P.H., lube oil range T.P.H. , and/or volatile organic compounds (VOCs).

SAMPLING LOCATION S2

Sampling location S2 is present at Longitude 122' 13' 22" West Latitude 47'20'7" North and at a 12 feet south of the northern perimeter of the subject property. The boring is located approximately 10 feet east and 10 feet south of sampling location S1. The boring was advanced through the asphalt surface materials and advanced to an approximate depth of 12 feet b.g.s.

Soils removed from this soil boring possessed no noticeable signs (staining/odor) of being adversely impacted by petroleum products.

Asphalt and base gravels were present at depths of 1 foot b.g.s. (below ground surface) or less, tan/brown colored soils and gravels were present at depths ranging from 1-4 feet b.g.s., moist brown colored fine grain sand and silts at depths ranging from 4-8 feet b.g.s., and wet, dark brown fine grain sand and silts at depths ranging from 8-12 feet b.g.s.

Groundwater was present at a depth of 9 feet b.g.s.

Investigative soil sample S2-9 was obtained from moist dark colored sands present at a depth of 9 feet b.g.s. and just below the water level.

Investigative soil samples S2-9 was submitted for appropriate laboratory analyses.

Laboratory analyses results for investigative soil samples S2-9 reported no detectable presence of gasoline range T.P.H., diesel fuel range T.P.H. and/or lube oil range T.P.H.

SAMPLING LOCATION S3

Sampling location S2 is present at Longitude 122' 13' 21" West Latitude 47'20'6" North and at a 12 feet south of the northern perimeter of the subject property. The boring is located approximately 20 feet west of sampling location S2. The boring was advanced through the asphalt surface materials and advanced to an approximate depth of 12 feet b.g.s.

Soils removed from this soil boring possessed no noticeable signs (staining/odor) of being adversely impacted by petroleum products.

Asphalt and base gravels were present at depths of 1 foot b.g.s. (below ground surface) or less, tan/brown colored soils and gravels were present at depths ranging from 1-4 feet b.g.s., moist brown colored fine grain sand and silts at depths ranging from 4-8 feet b.g.s., and wet, dark brown fine grain sand with some gravel at depths ranging from 8-12 feet b.g.s.

Investigative soil sample S3-9 was obtained from moist dark colored sands present at a depth of 9 feet b.g.s. Due to the softness of the soils, we experienced poor recovery of soils from depths of 7-8 feet b.g.s.

Investigative soil sample S3-9 was submitted for appropriate laboratory analyses.

Laboratory analyses results for investigative soil sample S3-9, reported no detectable presence of gasoline range T.P.H., diesel fuel range T.P.H. and/or lube oil range T.P.H.

SAMPLING LOCATION S6

Sampling location S6 is present at Longitude 122' 13' 22" West Latitude 47'20'6" North and at a 2 feet south of the northern perimeter of the subject property. The boring is located approximately 20 feet west and 10 feet north of sampling location S3. The boring was advanced through the asphalt surface materials and advanced to an approximate depth of 12 feet b.g.s.

Soils removed from this soil boring possessed no noticeable signs (staining/odor) of being adversely impacted by petroleum products.

Asphalt and base gravels were present at depths of 1 foot b.g.s. (below ground surface) or less, tan/brown colored soils and gravels were present at depths ranging from 1-4 feet b.g.s., moist brown colored fine grain sand and silts at depths ranging from 4-8 feet b.g.s., and wet, dark brown fine grain sand with some gravel at depths ranging from 8-12 feet b.g.s.

Investigative soil sample S6-9 was obtained from moist dark colored sands present at a depth of 9 feet b.g.s. Due to the softness of the soils, we experienced poor recovery of soils from depths of 7-8 feet b.g.s.

Investigative water sample S6-W was obtained from groundwater present at depth of 8 feet b.g.s.

Investigative soil and groundwater samples were submitted for appropriate laboratory analyses.

Laboratory analyses results for investigative soil sample S6-9, reported no detectable presence of gasoline range T.P.H., diesel fuel range T.P.H. and/or lube oil range T.P.H.

Laboratory analyses results for investigative groundwater sample S6-W, reported no detectable presence of gasoline range T.P.H., diesel fuel range T.P.H. and/or lube oil range T.P.H.

SAMPLING LOCATION S7

Sampling location S7 is present at Longitude 122' 13' 22" West Latitude 47'20'7" North and at a 2 feet south of the northern perimeter of the subject property. The boring is located approximately 15 feet west of sampling location S6. The boring was advanced through the asphalt surface materials and advanced to an approximate depth of 12 feet b.g.s.

Soils removed from this soil boring possessed no noticeable signs (staining/odor) of being adversely impacted by petroleum products.

Asphalt and base gravels were present at depths of 1 foot b.g.s. (below ground surface) or less, tan/brown colored soils and gravels were present at depths ranging from 1-4 feet b.g.s., moist brown colored fine grain sand and silts at depths ranging from 4-8 feet b.g.s., and wet, dark brown fine grain sand with some gravel at depths ranging from 8-12 feet b.g.s.

Investigative soil sample S7-8 was obtained from moist dark colored sands present at a depth of 9 feet b.g.s.

Investigative soil samples S7-8 was submitted for appropriate laboratory analyses.

Laboratory analyses results for investigative soil sample S7-8, reported no detectable presence of gasoline range T.P.H., diesel fuel range T.P.H. and/or lube oil range T.P.H.

3.0 SOIL SAMPLING, GROUNDWATER SAMPLING, AND LABORATORY ANALYSES PROTOCOLS

3.1 SOIL SAMPLING PROTOCOLS

All discreet soil samples were obtained using a "Direct Push Sampling System" provided and operated by Licensed Drillers from Environmental Services Network Northwest, Olympia, Washington. Continuous soil corings were extended to depths of approximately 12 feet below ground surface (b.g.s.) or less. Continuous soil coring/samples, contained in liners, were laid out in order, by depth, on the surface to facilitate field screening and observation of the soils obtained from the boreholes.

The soil samples were immediately removed from the liner and placed in recommended sample jars using a stainless steel sampling spoon and an easy draw syringe.

EPA Method 5035 sampling protocols were practiced for sampling soils to be analyzed for VOCs.

All sampling tools/devices were properly cleaned between individual samples to prevent cross sample contamination. All soil samples were then tightly packed in recommended sample jars with no head space, properly refrigerated and transported with proper chain of custody forms, to Environmental Services Network Northwest, Inc. of Olympia, Washington, for appropriate laboratory analyses.

3.2 BOREHOLE GROUNDWATER SAMPLING PROTOCOLS

All discreet groundwater samples were obtained using a variable speed peristaltic pump set at the lowest flow level and the "Direct Push Sampling System". The system's sampling tube was purged of all collected waters and then allowed to recharge prior to the collection of these water samples. The sampled waters were transferred directly into laboratory supplied containers for temporary storage.

3.3 LABORATORY ANALYSES PROTOCOLS

Soil samples were analyzed for the presence of gasoline range T.P.H. (total petroleum hydrocarbons) using method NWTPH-Gx, diesel fuel range T.P.H., and lube oil range T.P.H. using method NWTPH-Dx/Dx Extended.

Groundwater samples were analyzed for the presence of gasoline range T.P.H. using method NWTPH-Gx, diesel fuel range T.P.H., and lube oil range T.P.H. using method NWTPH-Dx/Dx Extended, and volatile organic compounds (VOCs) using EPA method 8260.

All laboratory analyses methods and quality controls meet or exceed current Department of Ecology recommendations for Site Checks and Site Assessments.

4.0 HEALTH AND SAFETY

1. All on-site work was performed under the Health and Safety guidelines set forth in sections 29 CRF 1910.120 of the Federal Register and Chapter 296-62 WAC which provide

regulations for individuals who are engaged in activities involving hazardous substances, including petroleum, and who perform confined space entry during field activities, also Chapter 296-155 WAC which provides State safety standards for construction work.

2. All on-site workers were 40 hour Hazmat certified.

3. A copy of the Site Safety Plan was provided to all on-site employees. The contents of this plan and all potential on-site hazards were discussed during a personnel on-site safety meeting. Based on the contents of this safety plan all workers were required to wear at least Level D protection. First Aid materials and properly trained personnel were present on-site at all times.

4. The immediate perimeter of the work area was secured at all times by orange hazard cones.

5.0 SUMMARY

The results of this on-site investigation reported no detectable presence of gasoline range T.P.H., diesel fuel range T.P.H., and/or heavy oil range T.P.H. in the subsurface soil present at selected locations of concern along the northern perimeter of the subject property.

The results of this on-site investigation reported no detectable presence of, gasoline range T.P.H., diesel fuel range T.P.H., and/or heavy oil range T.P.H. and/or volatile organic compounds (VOCs) in the groundwater present at selected locations of concern along the northern perimeter of the subject property.

The results of this investigation indicate that reported previous presence and operation of an underground used oil storage tank in the areas of concern, has not had a significant adverse impact on the current environmental integrity of the subject property.

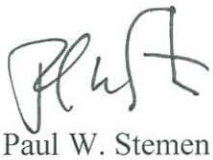
The results of this investigation indicate that the confirmed presence of gasoline and lube oil range T.P.H., at levels that exceed MTCA Method A Clean Up Levels, in the subsurface soils on the southern portion of the northerly neighboring property, have not had a significant adverse impact on the environmental integrity of the subject property.

All remedial investigations and/or remedial corrective actions performed on this site meet current industry and regulatory standards for these actions.

All opinions, observations, and statements set forth in this report are based on currently available information and current on-site conditions, and our company cannot predict or report on the impacts of future events and/or changing regulatory requirements on this site.

If you have any questions or need further information please feel free to contact us at the above phone number.

Sincerely,



Paul W. Stemen
Ecology-Registered Site Assessment Supervisor
ASTM Certified
IFCI #0874201-U2

APPENDIX A

LABORATORY ANALYSES CHARTS, SAMPLING LOCATION MAP, AND SITE PHOTOS

ANALYSIS OF DIESEL AND LUBE OIL RANGE ORGANICS IN SOILS BY METHOD NWTPH-Dx/Dx EXTENDED, AND GASOLINE RANGE ORGANICS IN SOILS BY METHOD NWTPH-Gx

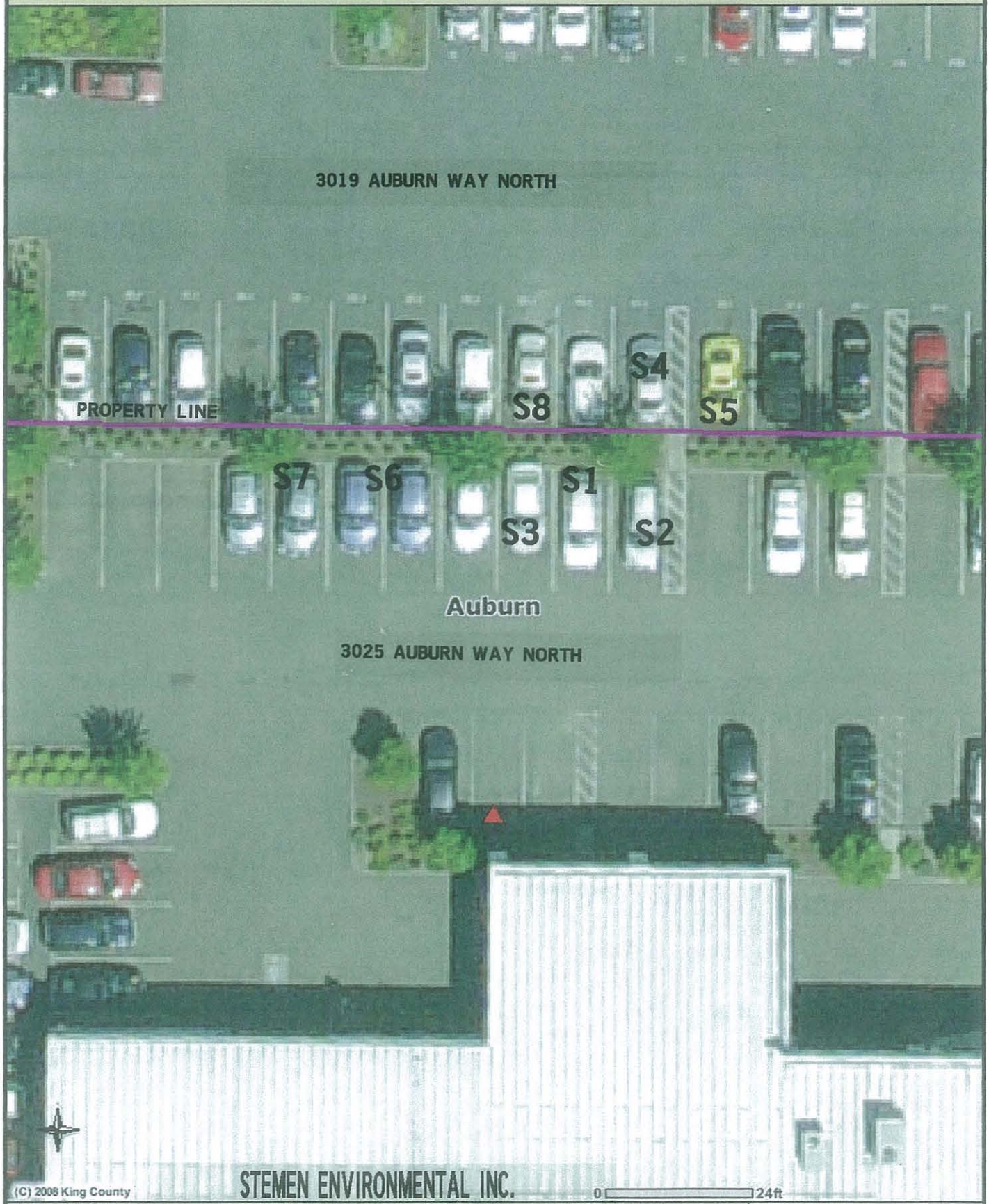
SAMPLE NUMBER	SAMPLE DATE	SAMPLE DEPTH	DIESEL RANGE ORGANICS	LUBE OIL RANGE ORGANICS	GASOLINE RANGE ORGANICS
			mg/kg	mg/kg	mg/kg
S1-8	12/12/2012	8'	ND	ND	ND
S6-8	12/12/2012	8'	ND	ND	ND
S1-12	12/12/2012	12'	ND	ND	ND
S2-9	12/12/2012	9'	ND	ND	ND
S3-9	12/12/2012	9'	ND	ND	ND
S7-8	12/10/2012	10'	ND	ND	ND
METHOD REPORTING LIMITS			50	100	10
METHOD "A" CLEAN UP LEVELS			2000	2000	100

ANALYSIS OF DIESEL RANGE ORGANICS, LUBE OIL RANG ORGANICS, GASOLINE RANGE ORGANICS							
IN WATER BY METHOD NWTPH Dx/Dx EXTENDED AND METHOD NWTPH-Gx							
			GASOLINE	DIESEL	LUBE OIL		
SAMPLE	SAMPLE		RANGE	RANGE	RANGE		
NUMBER	DATE	DEPTH	ORGANICS	ORGANICS	ORGANICS		
			ug/L	ug/L	ug/L		
S1-W	12/10/2012	8'	ND	ND	ND		
S6-W	12/10/2012	8'	ND	ND	ND		
REPORTING LIMITS			100	250	500		
METHOD "A" CLEAN UP LEVELS			800	2000	2000		

ANALYSES OF VOLATILE ORGANIC COMPOUNDS IN WATER BY METHOD 8260

SAMPLE-NUMBER		S1-W
DATE	WATER	12/12/12
	REPORTING	
	LEVELS	
		ug/L
DICHLORODIFLUOROMETHANE	1	ND
CHLOROMETHANE	1	ND
VINYL CHLORIDE	0.2	ND
BROMOMETHANE	1	ND
CHLOROETHANE	1	ND
TRICHLOROFLUOROMETHANE	1	ND
ACETONE	10	ND
1,1 DICHLOROETHENE	1	ND
METHYLENE CHLORIDE	1	ND
METHYL-T-BUTY ETHER (MTBE)	1	ND
TRANS-1,2-DICHLOROETHENE	1	ND
1,1 DICHLOROETHANE	1	ND
2-BUTANONE (MEK)	1	ND
CIS-1,2 DICHLOROETHENE	10	ND
2,2-DICHLOROPROPANE	1	ND
CHLOROFORM	1	ND
BROMOCHLOROMETHANE	1	ND
1,1,1- TRICHLOROETHANE	1	ND
1,2 DICHLOROETHANE (EDC)	1	ND
1,1-DICHLOROPROPENE	1	ND
CARBON TETRACHLORIDE	1	ND
BENZENE	1	ND
TRICHLOROETHENE (TCE)	1	ND
1,2-DICHLOROPROPANE	1	ND
DIBROMOMETHANE	1	ND
BROMODICHLOROMETHANE	1	ND
4-METHYL-2-PENANONE (MIBK)	1	ND
CIS-1,3-DICHLOROPROPENE	1	ND
TOLUENE	1	ND
TRANS-1,3-DICHLOROPROPENE	1	ND
1,1,2,-TRICHLOROETHANE	1	ND
2-HEXANONE	1	ND
1,3-DICHLOROPROPANE	1	ND
DIBROMOCHLOROMETHANE	1	ND
TETRACHLOROETHENE (PCE)	1	ND
1,2-DIBROMOETHANE (EDB)	1	ND
CHLOROBENZENE	1	ND
1,1,1,2-TETRACHLOROETHANE	1	ND
ETHYLBENZENE	1	ND
XYLENES	3	ND
STYRENE	1	ND
BROMOFORM	1	ND
1,1,2,2-TETRACHLOROETHANE	1	ND
ISOPROPYLBENZENE	1	ND
1,2,3-TRICHLOROPROPANE	1	ND
BROMOBENZENE	1	ND
n-PROPYLBENZENE	1	ND
2-CHLOROTOLUENE	1	ND
4-CHLOROTOLUENE	1	ND
1,3,5-TRIMETHYLBENZENE	1	ND
TERT-BUTYLBENZENE	1	ND
1,2,4-TRIMETHYLBENZE	1	ND
SEC-BUTYLBENZENE	1	ND
1,3-DICHLOROBENZENE	1	ND
1,4-DICHLOROBENZENE	1	ND
ISOPROPYLTOLUENE	1	ND
1,2-DICHLOROBENZENE	1	ND
n-BUTYLBENZENE	1	ND
1,2-DIBROMO-3-CHLOROPROPANE	1	ND
1,2,4-TRICHLOROBENZENE	1	ND
NAPHTHALENE	1	ND
HEXACHLORO-1,3-BUTADIENE	1	ND
1,2,3,-TRICHLOROBENZENE	1	ND

SAMPLE LOCATION PHOTOMAP



(C) 2008 King County

STEMEN ENVIRONMENTAL INC.

0 24ft

Date: 12/19/2012 Source: King County iMAP - Property Information (http://www.metrokc.gov/GIS/iMAP)

King County

SITE PHOTOS

SOUTHERN VIEW DIRECT PUSH SAMPLING AT SAMPLING LOCATION S1

EASTERN VIEW DIRECT PUSH SAMPLING AT SAMPLING LOCATION S1

SITE PHOTOS

EASTERN VIEW DIRECT PUSH SAMPLING AT SAMPLING LOCATION S3

NORTHERN VIEW DIRECT PUSH SAMPLING AT SAMPLING LOCATION S3

APPENDIX B

LABORATORY ANALYSES DATA AND BORING LOGS

ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc
3025 AUBURN WAY N PROJECT
Auburn, Washington

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

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

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Gasoline Range Organics (mg/kg)
Method Blank	12/17/2012	12/17/2012	118	nd
LCS	12/17/2012	12/18/2012	118	93%
S1-8	12/18/2012	12/17/2012	109	nd
S1-12	12/17/2012	12/17/2012	114	nd
S2-9	12/18/2012	12/17/2012	115	nd
S3-9	12/18/2012	12/17/2012	116	nd
S7-8	12/17/2012	12/17/2012	121	nd
S6-9	12/17/2012	12/17/2012	115	nd
S6-9 Duplicate	12/17/2012	12/17/2012	118	nd
Reporting Limits				10

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE: 65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc
3025 - AUBURN WAY N PROJECT
Auburn, Washington

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

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

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	12/14/2012	12/14/2012	103	nd	nd
LCS	12/14/2012	12/14/2012	132	115%	---
S1-8	12/14/2012	12/14/2012	100	nd	nd
S1-12	12/14/2012	12/14/2012	77	nd	nd
S2-9	12/14/2012	12/14/2012	96	nd	**120**
S3-9	12/14/2012	12/14/2012	90	nd	nd
S7-8	12/14/2012	12/14/2012	79	nd	nd
S6-9	12/14/2012	12/14/2012	111	nd	nd
S6-9 Duplicate	12/14/2012	12/14/2012	118	nd	nd
Reporting Limits				50	100

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc
3025 - AUBURN WAY N PROJECT
Auburn, Washington

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

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

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (ug/L)	Lube Oil Range Organics (ug/L)
Method Blank	12/13/2012	12/13/2012	141	nd	nd
LCS	12/13/2012	12/13/2012	144	90%	---
S1-W	12/13/2012	12/13/2012	120	nd	nd
S6-W	12/13/2012	12/13/2012	84	nd	nd
Reporting Limits				250	500

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc
3025 AUBURN WAY N PROJECT
Auburn, Washington

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

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

Sample Number	Date Analyzed	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Gasoline Range Organics (ug/L)	Surrogate Recovery (%)
Method Blank	12/14/2012	nd	nd	nd	nd	nd	121
LCS	12/14/2012	104%	107%	103%	100%	92%	105
LCSD	12/14/2012	102%	109%	108%	102%	---	106
S1-W	12/14/2012	nd	nd	nd	nd	nd	120
S1-W Duplicate	12/14/2012	nd	nd	nd	nd	nd	119
S6-W	12/14/2012	nd	nd	nd	nd	nd	125
Trip Blank	12/14/2012	nd	nd	nd	nd	nd	118
Reporting Limits		1.0	1.0	1.0	3.0	100	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

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

ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc
3025 AUBURN WAY N PROJECT
Auburn, Washington

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

Analysis of Volatile Organic Compounds in Water by Method 8260

	Reporting	MB	LCS	LCS	S-1-W
Date analyzed	Limits	12/14/12	12/14/12	12/14/12	12/14/12
	(ug/L)				
Dichlorodifluoromethane	1.0	nd			nd
Chloromethane	1.0	nd			nd
Vinyl chloride	0.2	nd	125%	121%	nd
Bromomethane	1.0	nd			nd
Chloroethane	1.0	nd			nd
Trichlorofluoromethane	1.0	nd			nd
Acetone	10.0	nd			nd
1,1-Dichloroethene	1.0	nd	126%	121%	nd
Methylene chloride	1.0	nd			nd
Methyl-t-butyl ether (MTBE)	1.0	nd			nd
trans-1,2-Dichloroethene	1.0	nd			nd
1,1-Dichloroethane	1.0	nd			nd
2-Butanone (MEK)	10.0	nd			nd
cis-1,2-Dichloroethene	1.0	nd			nd
2,2-Dichloropropane	1.0	nd			nd
Chloroform	1.0	nd	107%	102%	nd
Bromochloromethane	1.0	nd			nd
1,1,1-Trichloroethane	1.0	nd			nd
1,2-Dichloroethane (EDC)	1.0	nd			nd
1,1-Dichloropropene	1.0	nd			nd
Carbon tetrachloride	1.0	nd	130%	129%	nd
Benzene	1.0	nd	108%	112%	nd
Trichloroethene (TCE)	1.0	nd	112%	118%	nd
1,2-Dichloropropane	1.0	nd			nd
Dibromomethane	1.0	nd			nd
Bromodichloromethane	1.0	nd			nd
4-Methyl-2-pentanone (MIBK)	1.0	nd			nd
cis-1,3-Dichloropropene	1.0	nd			nd
Toluene	1.0	nd	110%	109%	nd
trans-1,3-Dichloropropene	1.0	nd			nd
1,1,2-Trichloroethane	1.0	nd			nd
2-Hexanone	1.0	nd			nd
1,3-Dichloropropane	1.0	nd			nd
Dibromochloromethane	1.0	nd			nd
Tetrachloroethene (PCE)	1.0	nd	115%	106%	nd
1,2-Dibromoethane (EDB)	1.0	nd			nd
Chlorobenzene	1.0	nd	99%	95%	nd
1,1,1,2-Tetrachloroethane	1.0	nd			nd
Ethylbenzene	1.0	nd	104%	97%	nd
Xylenes	3.0	nd	97%	93%	nd
Styrene	1.0	nd			nd
Bromoform	1.0	nd			nd
1,1,2,2-Tetrachloroethane	1.0	nd			nd
Isopropylbenzene	1.0	nd			nd
1,2,3-Trichloropropane	1.0	nd			nd
Bromobenzene	1.0	nd			nd

ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental, Inc
3025 AUBURN WAY N PROJECT
Auburn, Washington

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

Analysis of Volatile Organic Compounds in Water by Method 8260

	Reporting	MB	LCS	LCS	S-1-W
Date analyzed	Limits	12/14/12	12/14/12	12/14/12	12/14/12
	(ug/L)				
n-Propylbenzene	1.0	nd			nd
2-Chlorotoluene	1.0	nd			nd
4-Chlorotoluene	1.0	nd			nd
1,3,5-Trimethylbenzene	1.0	nd			nd
tert-Butylbenzene	1.0	nd			nd
1,2,4-Trimethylbenzene	1.0	nd			nd
sec-Butylbenzene	1.0	nd			nd
1,3-Dichlorobenzene	1.0	nd			nd
1,4-Dichlorobenzene	1.0	nd			nd
Isopropyltoluene	1.0	nd			nd
1,2-Dichlorobenzene	1.0	nd			nd
n-Butylbenzene	1.0	nd			nd
1,2-Dibromo-3-Chloropropane	1.0	nd			nd
1,2,4-Trichlorobenzene	1.0	nd			nd
Naphthalene	2.0	nd			nd
Hexachloro-1,3-butadiene	2.0	nd			nd
1,2,3-Trichlorobenzene	2.0	nd			nd
Surrogate recoveries					
Dibromofluoromethane		114%	110%	113%	109%
Toluene-d8		106%	102%	96%	108%
4-Bromofluorobenzene		118%	110%	108%	120%

Data Qualifiers and Analytical Comments

nd - not detected at listed reporting limits
Acceptable Recovery limits: 65% TO 135%
Acceptable RPD limit: 35%

ESN NORTHWEST, INC. | Environmental Services Network

CHAIN-OF-CUSTODY RECORD

CLIENT: Stemco

ADDRESS: PO Box 3644 Kent, WA

PHONE: 360 438 9521 FAX:

CLIENT PROJECT #: 3205 Auburn Way N PROJECT MANAGER: Paul Stemco

DATE: 12/12/2012 PAGE 1 OF 1

PROJECT NAME: ~~3205~~ 3025 - Auburn Way N.

LOCATION: Auburn, WA.

COLLECTOR: Paul Stemco DATE OF COLLECTION 12/12

Sample Number	Depth	Time	Sample Type	Container Type	TPH-HCID	TPH - Diesel & Oil	TPH - Gasoline	BTEX	VOC 8260CL	VOC 8260	SemiVol 8270	PAH's 8270	PCB's 8082	CL Pesticides 8081	RCRA 8 Metals	MTCA 5 Metals	Pb	Asbestos-PLM	GRO Suite	DRO Suite	WO Suite	NOTES	Total Number of Containers	Laboratory Note Number
1. S1-8	8		Soil	Jar	X	X																		
2. S1-12	12				X	X																		
3. S2-9	9				X	X																		
4. S3-9	9				X	X																		
5. S7-8	8				X	X																		
6. S6-9	9				X	X																		
7.																								
8.																								
9. S1-W			H2O	Glass	X	X	X		X															
10. S6-W			W	W	X	X	X																	
11.																								
12.																								
13.																								
14.																								
15.																								
16.																								
17.																								
18.																								

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	12/13/2012		0941 12.13.12
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ ESN DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

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

LABORATORY NOTES:

(X) - add-ons 12-17-12

Turn Around Time: (24 HR) 48 HR 5 DAY

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46949

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☒ Construction

☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Consulting Firm ____

Unique Ecology Well IDTag No. NK12-B2

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Knopf, Noel

Driller/Engineer /Trainee Signature

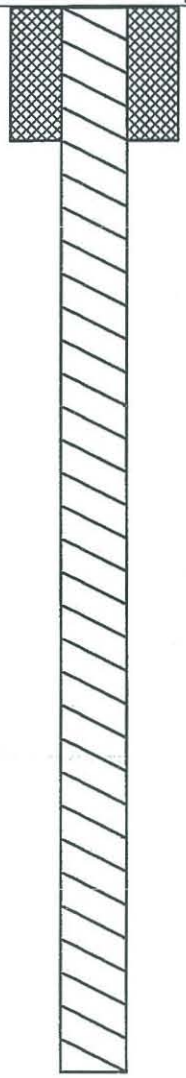
Driller or Trainee License No. 3117

If trainee, licensed driller's Signature and License Number:

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Surface Seal: asphalt Drilling Method: D.P. Boring Diameter: 2" Backfill: #8 bentonite Boring Depth: 12'	0-12' sand

SCALE: 1"= ____ PAGE 1 OF 5

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46949

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm

Unique Ecology Well IDTag No. NK12-33

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Knopf, Noel
Driller/Engineer /Trainee Signature
Driller or Trainee License No. 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection
☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____
Long Deg ____ Min ____ Sec ____

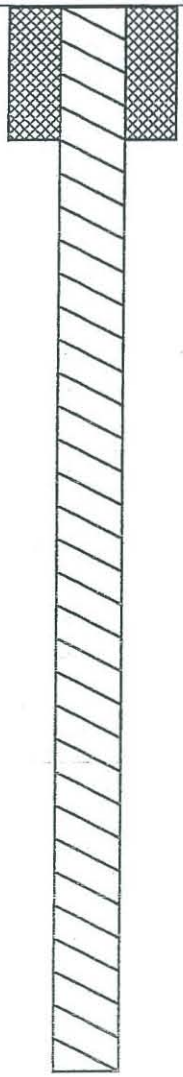
Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design



Well Data

Surface Seal: asphalt

Drilling Method: D.P.

Boring Diameter: 2"

Backfill: #8 bentonite

Boring Depth: 12'

Formation Description

0-12' sand

SCALE: 1"= ____ PAGE 2 OF 5

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46949

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm

Unique Ecology Well IDTag No. NK12-B5

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Knopf, Noel
Driller/Engineer /Trainee Signature
Driller or Trainee License No. 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection
☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

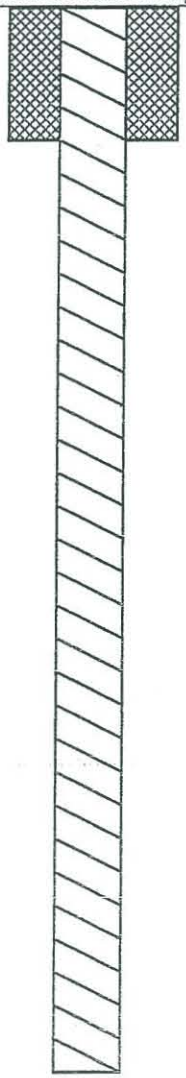
Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____
Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Surface Seal: asphalt Drilling Method: D.P. Boring Diameter: 2" Backfill: #8 bentonite Boring Depth: 12'	0-12' sand

SCALE: 1"= ____ PAGE 3 OF 5

CY 050-12 (Rev. 7/06)

Ecology is an Equal Opportunity

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46949

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm

Unique Ecology Well IDTag No. NK12-87

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Knopf, Noel
Driller/Engineer /Trainee Signature
Driller or Trainee License No. 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection
☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

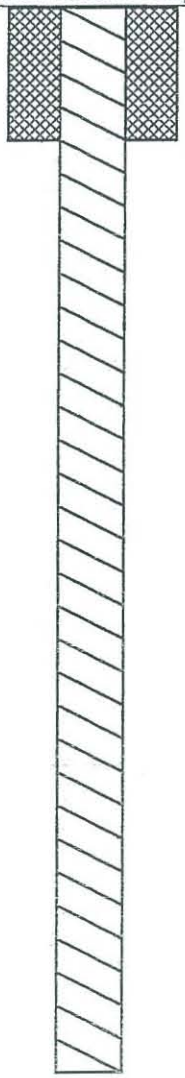
Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____
Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Surface Seal: asphalt Drilling Method: D.P. Boring Diameter: 2" Backfill: #8 bentonite Boring Depth: 12'	0-12' sand

SCALE: 1"= ____ PAGE 4 OF 5

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. SE46949

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☒ Construction

☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm

Unique Ecology Well IDTag No. NK12-38

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Knopf, Noel

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

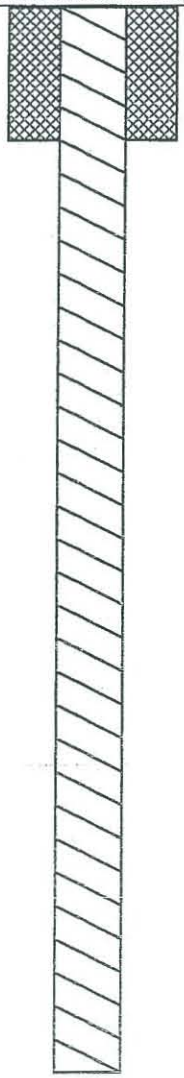
Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Surface Seal: asphalt Drilling Method: D.P. Boring Diameter: 2" Backfill: #8 bentonite Boring Depth: 12'	0-12' sand

SCALE: 1"= ____ PAGE 5 OF 5

CY 050-12 (Rev. 7/06)

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20032

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

SE46949

Consulting Firm

Unique Ecology Well IDTag No. NK12-32

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Knopf, Neil

Driller/Engineer /Trainee Signature

Driller or Trainee License No 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

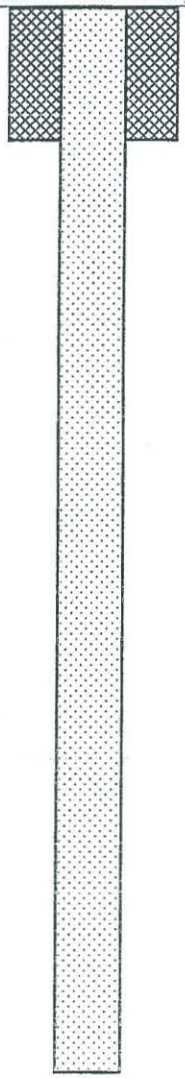
Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Boring Diameter: 2" Removed all rods from boring and backfilled with bentonite Boring Depth: 12'	0'-12' sand

SCALE: 1"= ____ PAGE 1 OF 5

ECY 050-12 (Rev. 7/06)

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20032

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:
SE46949

Consulting Firm

Unique Ecology Well IDTag No. NK12-33

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Knopf, Neil
Driller/Engineer /Trainee Signature
Driller or Trainee License No 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

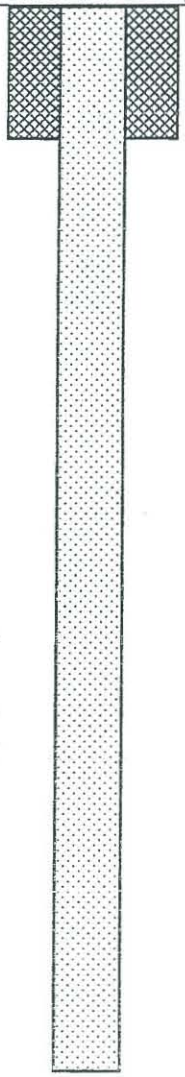
Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Boring Diameter: 2" Removed all rods from boring and backfilled with bentonite Boring Depth: 12'	0-12' sand

SCALE: 1"= ____ PAGE 2 OF 5

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20032

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

SE46949

Consulting Firm

Unique Ecology Well IDTag No. NK12-35

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Knopf, Neil

Driller/Engineer /Trainee Signature

Driller or Trainee License No 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

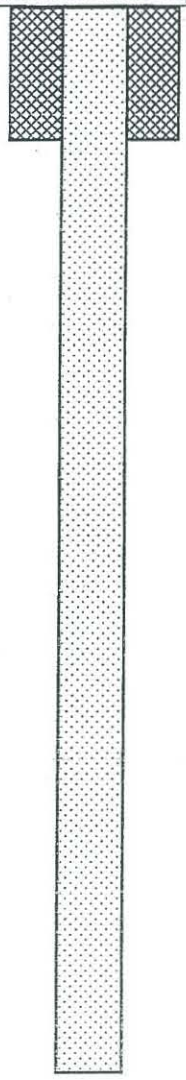
Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Boring Diameter: 2" Removed all rods from boring and backfilled with bentonite Boring Depth: 12'	0-12' sand

SCALE: 1"= ____ PAGE 3 OF 5

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20032

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

SE46949

Consulting Firm

Unique Ecology Well IDTag No. NK12-37

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Knopf, Neil

Driller/Engineer /Trainee Signature

Driller or Trainee License No 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

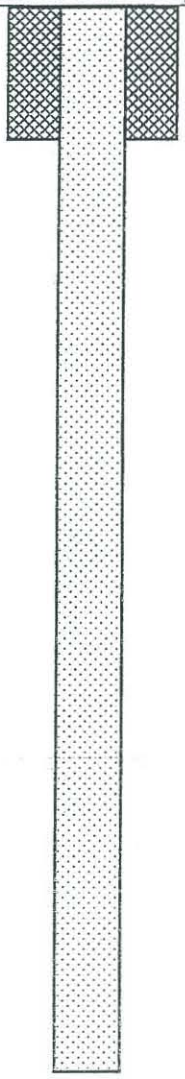
Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Boring Diameter: 2" Removed all rods from boring and backfilled with bentonite Boring Depth: 12'	0-12' sand

SCALE: 1"= ____ PAGE 4 OF 5

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20032

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

SE46949

Consulting Firm

Unique Ecology Well IDTag No. NK12-38

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Knopf, Neil

Driller/Engineer /Trainee Signature

Driller or Trainee License No 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

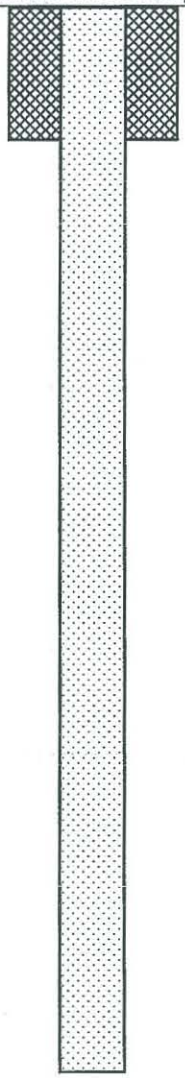
Long Deg ____ Min ____ Sec ____

Tax Parcel No.0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Boring Diameter: 2" Removed all rods from boring and backfilled with bentonite Boring Depth: 12'	0'-12' sand

SCALE: 1"= ____ PAGE 5 OF 5

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04333

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm

Unique Ecology Well IDTag No. NK12-01

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Knopf, Noel
Driller/Engineer /Trainee Signature
Driller or Trainee License No. 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection
☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

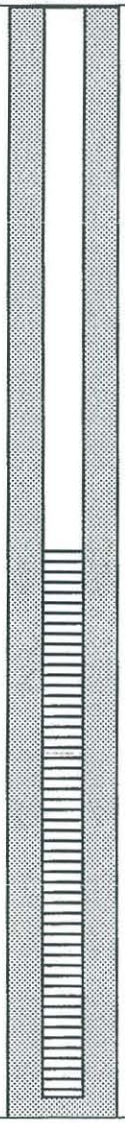
Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____
Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Drove a retractable ***stainless steel*** / ***PVC*** screen down to depth and collected a water sample. Boring Depth: 12' Screen: 7'-12' Slot Size: 0.010" Type: 3/4" sch 80 PVC Removed all rods and casing from boring and backfilled with bentonite.	0'-12' sand

SCALE: 1"= ____ PAGE 1 OF 3

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04333

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm

Unique Ecology Well IDTag No. NK12-34

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Knopf, Neal
Driller/Engineer /Trainee Signature
Driller or Trainee License No. 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection
☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

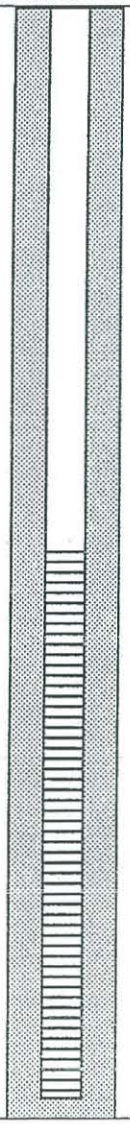
Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Drove a retractable ***stainless steel*** / **PVC** screen down to depth and collected a water sample. Boring Depth: 12' Screen: 7'-12' Slot Size: 0.010" Type: 3/4" sch 80 PVC Removed all rods and casing from boring and backfilled with bentonite.	0'-12' sand

SCALE: 1"= ____ PAGE 2 OF 3

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. EE04333

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☒ Construction
☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm

Unique Ecology Well IDTag No. PK12-36

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Knopf, Noel
Driller/Engineer /Trainee Signature
Driller or Trainee License No. 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection
☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

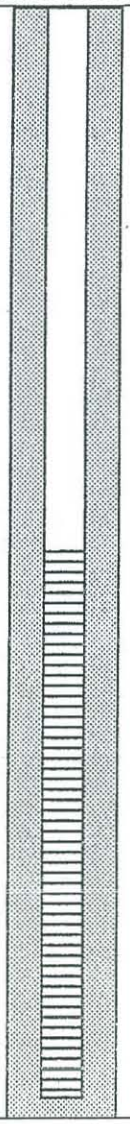
Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____
Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Drove a retractable ***stainless steel*** / **PVC** screen down to depth and collected a water sample. Boring Depth: 12' Screen: 7'-12' Slot Size: 0.010" Type: 3/4" sch 80 PVC Removed all rods and casing from boring and backfilled with bentonite.	0'-12' sand

SCALE: 1"= ____ PAGE 3 OF 3

ECY 050-12 (Rev. 7/06)

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20031

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

EE04333

Consulting Firm

Unique Ecology Well IDTag No. NK12-81

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Knopf, Neil

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

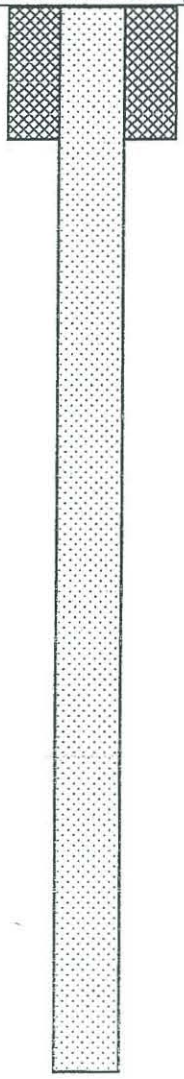
Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Boring Diameter: 2" Removed all rods from boring and backfilled with bentonite Boring Depth: 12'	0-12' sand

SCALE: 1"= ____ PAGE 1 OF 3

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20031

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

EE04333

Consulting Firm

Unique Ecology Well IDTag No. NK12-B4

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Knopf, Neil

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner R & E Investments LLC

Site Address 3025 Auburn Way N

City Auburn County King

Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

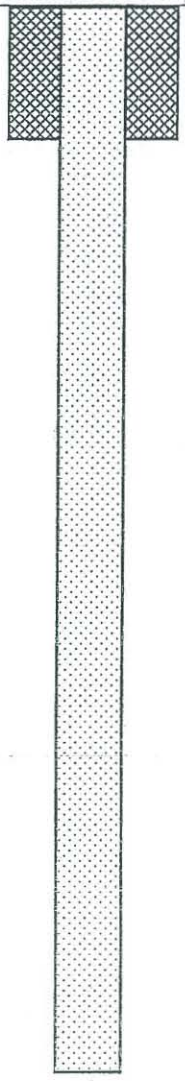
Long Deg ____ Min ____ Sec ____

Tax Parcel No. 0004000039

Cased or Uncased Diameter 2" Static Level 8'

Work/Decommission Start Date 12/12/2012

Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Boring Diameter: 2" Removed all rods from boring and backfilled with bentonite Boring Depth: 12'	0-12' sand

SCALE: 1"= ____ PAGE 2 OF 3

ECY 050-12 (Rev. 7/06)

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE20031

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction
☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:
EE04333

Consulting Firm

Unique Ecology Well IDTag No. NK12-86

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

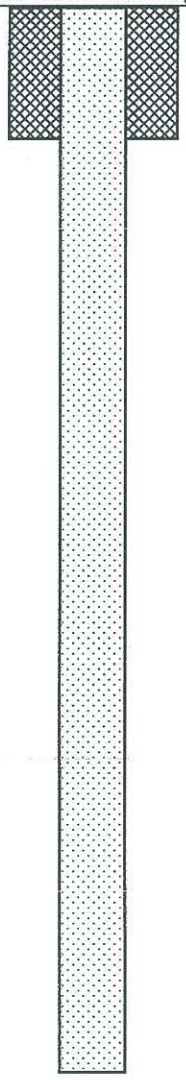
☒ Driller ☐ Engineer ☐ Trainee
Name (Print Last, First Name) Knopf, Noel
Driller/Engineer /Trainee Signature
Driller or Trainee License No. 3117

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection
☐ Geotech Soil Boring

Property Owner R & E Investments LLC
Site Address 3025 Auburn Way N
City Auburn County King
Location NE1/4-1/4 SW1/4 Sec 6 Twn 21 R 5
EWM ☒ or WWM ☐
Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____
Long Deg ____ Min ____ Sec ____
Tax Parcel No. 0004000039
Cased or Uncased Diameter 2" Static Level 8'
Work/Decommission Start Date 12/12/2012
Work/Decommission Completed Date 12/12/2012

Construction Design	Well Data	Formation Description
	Boring Diameter: 2" Removed all rods from boring and backfilled with bentonite Boring Depth: 12'	0-12' sand

SCALE: 1"= ____ PAGE 3 OF 3

ECY 050-12 (Rev. 7/06)

Ecology is an Equal Opportunity Employer

APPENDIX C

LABORATORY ANALYSES CHARTS AND DATA FOR COMMERCIAL PROPERTY LOCATED 3109 AUBURN WAY NORTH, AUBURN, WA.

ANALYSIS OF DIESEL AND LUBE OIL RANGE ORGANICS IN SOILS BY METHOD NWTPH-Dx/Dx EXTENDED, AND GASOLINE RANGE ORGANICS IN SOILS BY METHOD NWTPH-Gx							
SAMPLE NUMBER	SAMPLE DATE	SAMPLE DEPTH	DIESEL RANGE ORGANICS	LUBE OIL RANGE ORGANICS	GASOLINE RANGE ORGANICS		
			mg/kg	mg/kg	mg/kg		
S4-8	12/12/2012	8'	ND	**3800**	**500**		
S5-9	12/12/2012	9	ND	ND	NA		
S8-8	12/12/2012	12'	ND	ND	NA		
NA - NOT ANALYZED							
METHOD REPORTING LIMITS			50	100	10		
METHOD "A" CLEAN UP LEVELS			2000	2000	100		

ANALYSIS OF DIESEL RANGE ORGANICS, LUBE OIL RANG ORGANICS, GASOLINE RANGE ORGANICS IN WATER BY METHOD NWTPH Dx/Dx EXTENDED AND METHOD NWTPH-Gx

SAMPLE NUMBER	SAMPLE DATE	DEPTH	GASOLINE RANGE ORGANICS	DIESEL RANGE ORGANICS	LUBE OIL RANGE ORGANICS
			ug/L	ug/L	ug/L
S4-W	12/12/2012	8	ND	ND	ND
REPORTING LIMITS			100	250	500
METHOD "A" CLEAN UP LEVELS			800	2000	2000

ESN NORTHWEST CHEMISTRY LABORATORY

Stemen Environmental
3109 AUBURN WAY NORTH PROJECT
Auburn, Washington

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

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

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Gasoline Range Organics (mg/kg)
Method Blank	12/14/2012	12/14/2012	118	nd
LCS	12/14/2012	12/14/2012	118	111%
S-4-8	12/14/2012	12/14/2012	117	**500**
S-4-8 Duplicate	12/14/2012	12/14/2012	117	**270**
Reporting Limits				10

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE: 65% TO 135%

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

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Gasoline Range Organics (mg/kg)
Method Blank	12/17/2012	12/17/2012	118	nd
LCS	12/17/2012	12/18/2012	118	93%
S5-9	12/17/2012	12/17/2012	125	nd
S8-8	12/17/2012	12/17/2012	118	nd
Reporting Limits				10

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE: 65% TO 135%

ESN NORTHWEST CHEMISTRY LABORATORY

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3109 AUBURN WAY NORTH PROJECT
Auburn, Washington

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

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

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	12/14/2012	12/14/2012	116	nd	nd
LCS	12/14/2012	12/14/2012	132	115%	---
S4-8	12/14/2012	12/14/2012	89	nd	**3800**
S5-9	12/14/2012	12/14/2012	122	nd	nd
S8-8	12/14/2012	12/14/2012	98	nd	nd
Reporting Limits				50	100

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

ESN NORTHWEST, INC. | Environmental Services Network

CHAIN-OF-CUSTODY RECORD

CLIENT: STEMEN ENVIRONMENTAL INC

ADDRESS: PO BOX 3644 BOTHELL, WA

PHONE: 3604389524 FAX:

CLIENT PROJECT #: 3107 AUBURN WAY N. PROJECT MANAGER: DALE STEMEN

DATE: 12/12/2012 PAGE 1 OF 1

PROJECT NAME: 3107 - AUBURN WAY N.

LOCATION: AUBURN, WA

COLLECTOR: DALE STEMEN DATE OF COLLECTION 12/12

Sample Number	Depth	Time	Sample Type	Container Type	TPH-HCID	TPH - DIESEL & OIL	TPH - GASOLINE	BTEX	VOC 8260CL	VOC 8260	SemiVol 8270	PAH's 8270	PCB's 8082	CL Pesticides 8081	RCRA 8 Metals	MTCA 5 Metals	Pb	Asbestos-PLM	GRO Suite	DRO Suite	WO Suite	NOTES	Total Number of Containers	Laboratory Note Number
1. SP-8	8			TAL		X	X																	
2. SS-9	9			1		X	X																	
3. SS-8	8			1		X	X																	
4.																								
5.																								
6. S-4-W				H2O		X	X																	
7.																								
8.																								
9.																								
10.																								
11.																								
12.																								
13.																								
14.																								
15.																								
16.																								
17.																								
18.																								

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
	12/12/2012		12-13-12 0941
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ ESN DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

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

LABORATORY NOTES:

Turn Around Time: 24 HR 48 HR 5 DAY

APPENDIX B

APPENDIX B

FIELD EXPLORATION METHODS

G-Logics performed subsurface soil and shallow groundwater sampling during the assessment conducted on the subject property. The sampling activities will be conducted in general accordance with the Washington Department of Ecology (Ecology) guidelines and regulations.

Underground Utility Clearance

Before conducting the subsurface exploration, G-Logics contacted a service that notifies public utilities of proposed subsurface investigations. Additionally, on-site private utilities were located by a private locating company to identify on-site utilities as well as specific areas of concern. Consequently, the below-grade utility locations were identified by marking their inferred location on the ground surface. This information was used to aid in identifying sampling locations.

Quality Assurance Quality Control

Quality Assurance/Quality Control (QA/QC) for the presented scope of work included generally accepted procedures for sample collection, storage, tracking, and documentation. All sampling equipment was washed and rinsed before the collection of the samples. All samples were labeled with a sample number, date, time, and sampler name, and were stored in an ice chest containing frozen “blue ice”. Appropriate chain-of-custody documentation was completed.

Direct-Push Soil Sampling

A probe subcontractor (ESN Northwest, Olympia, WA) performed the probe drilling at this site. The direct-push probe used for this work consisted of a 2-inch Macrocore sampler, in lengths of four or five feet. Continuous soil samples were obtained by driving/pushing this sampler, containing an acrylic liner, to the sampling depth. After reaching the required depth, the sampler was retrieved and opened. The collected soils contained within the acrylic liner were removed and placed into laboratory-provided glass jars. Samples were collected from the soil core using an Easy Draw Syringe and Powerstop Handle. The soil

plug was then extruded into a laboratory-supplied 40 ml VOA Vial containing methanol preservative. New liners were used for each sampling attempt.

Collected soil samples were evaluated for evidence of contamination by visible discoloration of the soil sample or VOCs detected by the photoionization detector (PID). Specifically, a portion of each soil sample was placed into a plastic zip-lock bag, and the vapors were drawn through the PID for qualitative screening of VOCs. The vapor readings were documented on the attached boring logs. A new plastic bag was used each time a sample was screened.

The soils were then observed and categorized for grain-size, color, moisture, odor, staining, sheen, and any other indications of contamination. This information was recorded on field boring logs (attached). Samples were collected where indications of contamination were observed or from where contamination would likely be present (i.e. at the groundwater interface).

Collected samples were labeled with a sample number, date, time, and sampler's name and stored in an ice chest containing frozen “blue ice”. Chain-of-custody procedures were followed to document sample handling.

Upon completion of each soil boring the resulting hole was backfilled with bentonite (hydrated with a small amount of water) and the ground surface restored to match original. All soil cuttings were collected and placed into a waste drum for proper disposal (determined by analytical results).

Temporary Well Sampling, Direct-Push Method

Upon completion of the soil boring, well casing materials consisted of 1-inch PVC pipe with a five foot section of screen at the bottom, was placed in the open borehole. A 1/4 inch-diameter, disposable, flexible polyethylene tubing was lowered into the well casing for the collection of the groundwater sample. A peristaltic pump was used to purge and sample each well. Purging was performed to remove suspended sediments and to stabilize well-screen materials.

After purging was completed, groundwater was pumped directly into sample containers, which were then placed into an ice chest containing frozen “blue ice” for preservation. The samples were then forwarded to the analytical laboratory using proper Chain-of-Custody

procedures. All sample containers were labeled with sample identification numbers, the date, and the sampler's name. Sample containers prepared by the contract laboratory were used to conform to EPA-recommended preservation techniques for the analytes of concern. Sample containers were open only as long as necessary to collect the samples.

Upon completion of the groundwater sampling, all well material was extracted. The resulting hole was backfilled with bentonite (hydrated with a small amount of water) and the ground surface restored to match original surface.

Groundwater Monitoring-Well Construction, Direct-Push Methods

Soil borings completed as groundwater monitoring-wells were constructed in the following manner.

- To construct the well, 4" steel probe casing was driven to the desire depth for the well to be completed.
- The well casing materials consisted of 2-inch, inside diameter, flush-threaded, schedule 40 PVC pipe. Well screen intervals were constructed with 5–foot lengths of pre-pack well screen, as shown on the boring logs.
- The screened interval of the well casing was perforated with 0.010-inch factory-cut slots.
- The annular seal of the well consisted of bentonite chip.
- All PVC casing materials were factory-cleaned before installation.
- The bottom of the well casing was sealed with a threaded cap. Blank (non-slotted) riser casing was used to extend the well from the top of the screened interval to ground surface. The length of the screened interval is identified on the boring logs.
- Well construction was accomplished by lowering the well casing into the open probe casing. The probe casing was then withdrawn from the boring and the resulting annular space around the blank riser was backfilled with sand and granulated bentonite to the depth shown on the boring logs.
- The well casing was sealed at the ground surface with a watertight expansion cap.
- A tamper-resistant steel cover was set over the well, flush to the ground surface. The cover was grouted in place with concrete.
- A reference point was marked on the top of the PVC well casing for consistent groundwater-depth measurements.

- An Ecology well-identification tag was placed inside the well box.

Water-Level Measurements in Wells

Water-level measurements were referenced to the top of the well casing in permanent wells and ground surface in temporary wells. The static water-level was measured in each monitoring well using a conductivity type, water- level probe. The conductivity probe was lowered into the well until the instrument detected water. The tape on the probe was used to obtain a depth-to-water measurement, from the reference point, to within 0.01 feet.

Well Development

After monitoring-well construction and prior to purging the wells for sampling, the wells were developed. Over pumping, or removing water from the well at a rapid rate, was the devolvement technique used. An in-well GeoTech "Geosquirt 12DVC Purge Pump" was lowered to near the bottom of the well screen, and connected to a 12-volt power source. A swab/surge development technique also was used. This movement was created by both lifting and lowering the pump, and by periodically turning the pump off and allowing the water to flow back into the well. Well development continued until the initially turbid water turned nearly clear. This process was repeated until approximately 20 gallons of groundwater had been removed.

Temporary/Monitoring-Well Sampling, Peristaltic-Pump Method

A G-Logics employee sampled groundwater wells in accordance with the following protocol.

- The height of the water column within the well was calculated by subtracting the depth to water from the total depth of the well. The volume of this water column was calculated using the relationship $V=3.14r^2h$. Where V is the volume of water in cubic feet, r is the radius of the well in feet and h is the height of the water column in feet.
- Based on these calculations, 3 to 5 volumes of water were removed from the well casing prior to collection of samples.
- All purge water was collected and placed into waste drums for proper disposal (determined by analytical results).
- The contract laboratory prepared the sample containers to conform to EPA-recommended preservation techniques for the analytes of concern.

- Groundwater samples were collected with a peristaltic pump. Sample containers were open only as long as necessary to collect the samples.
- Sample bottles were labeled with a sample number, date, time, and G-Logics employee's name, and were stored in an ice chest containing frozen "blue ice". Chain-of-custody procedures were followed to document sample handling.
- Dedicated tubing was used at each sampling location.
- Before use, the sampling equipment was washed in a "Liquinox", rinsed with tap water, and given a final rinse with distilled water.

APPENDIX C

Unified Soil Classification System (USCS)

PRIMARY DIVISIONS			SYMBOL	DESCRIPTIONS
COARSE GRAINED SOILS Sands & Gravels, Over 50% retained on #200 sieve	**GRAVELS** Over 50% of coarse material retained on #4 sieve	**CLEAN GRAVEL** Less than 5% passing #200 sieve	GW	Well graded gravel, many different particle sizes, little or no fines
			GP	Poorly graded, few different particle sizes, little or no fines
		GRAVEL WITH FINES	GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	SAND Over 50% of coarse material passed #4 sieve	**CLEAN SANDS** Less than 5% passing #200 sieve	SW	Well graded gravel, many different particle sizes, little or no fines
			SP	Poorly graded, few different particle sizes, little or no fines
		SAND WITH FINES	SM	Silty gravels, gravel-sand-silt mixtures
			SC	Clayey gravels, gravel-sand-clay mixtures
FINE GRAINED SOILS Silts & Clays, Over 50% passing the #200 sieve	**SILTS AND CLAYS** Liquid limit is less than 50 %		ML	Inorganic silts, slight to no plasticity
			CL	Inorganic clays, low to moderate plasticity
			OL	Organic silts and clays of low plasticity
	SILTS AND CLAYS Liquid limit is more than 50 %		MH	Inorganic silts, moderate to high plasticity
			CH	Inorganic clays, high plasticity, fat clays
			OH	Organic silts and clays of high plasticity
Highly Organic Soils			PT	Peat and other highly organic soils

Soil Samples

- Disturbed, bag, bulk, or grab sample
- Standard penetration split spoon sample
- Cuttings
- Continuous-Core Sample

Field Measurements

- Water Level Observed During Drilling
- PID — Photoionization Detector
- ppmv — Parts Per Million by Volume
- End of Boring (E.O.B)

Note: Blows per foot is the number of blows used to drive a split-spoon (2" OD) sampler through the last 12 inches of an 18-inch sampling attempt. One blow is a 30-inch fall of a 140-pound hammer.

Note: The line separating strata on the logs represents approximate boundaries only. The actual transition may be gradual. No warranty is provided as to the continuity of the strata between exploration locations. Logs represent the soil section observed at the exploration location on the date of exploration only.

ExplorationLogLegend.pub

g-logics

Exploration Log Legend

glb-1.vsd

INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0		Asphalt Pavement 0-2': SILTY SAND, well-graded with gravel: subrounded fine to coarse gravel; fine to medium sand; some fines; brown, petroleum odor in cutting shoe, moist. 2'-5': No recovery.	40	SW		2" Boring
5	GLB1-5	5'-9': SILT with clay: medium plasticity; gray brown, petroleum odor at top of sample, moist to wet @ 9 feet. Groundwater at 9.02'	90	ML	8.4	0.75" PVC Blank
10	GLB1-10 GLB-1-W	9'-13': SILTY SAND: fine grain; olive brown, no odor, wet.	90	SM	0.4	
	GLB1-14	13'-14': SAND, poorly-graded: fine grain; olive brown, no odor, wet. E.O.B. at 14 feet		SP	0.3	.075" PVC Screen
15						
20						
25						
30	Depth in feet					

Drilling Method: Direct-Push	Date: 7/21/2017	Other Information: Grab water sample collected with a peristaltic pump. Following sample collection, PVC was removed and the boring was backfilled with bentonite.
Drilling Company: ESN Northwest	Weather: Sunny, Warm	
Boring Diameter: Two Inches	Page 1 of 1	
Logged By: K. Vandehey		

g-logics

Boring/Well Log
Auburn Way Property
3001 and 3025 Auburn Way N
Auburn, Washington

GLB-1

glb-2.vsd

INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0		Asphalt Pavement				
		0-2': SILTY SAND, well-graded with gravel: subrounded fine to coarse gravel; fine to medium sand; some fines; brown, no odor, moist.	40	SW		
		2'-4': No recovery.				
	GLB2-4			ML	1.4	
5		4'-8': SILT with clay: medium plasticity; gray brown turning to olive brown @ 5 feet, no odor, moist to wet @ 6 feet. Groundwater at 7.58'	90			
	GLB2-8				0.3	
		8'-12': SILTY SAND: fine grain; olive brown, no odor, wet.	90	SM		
10	GLB2-11				0.4	
		E.O.B. at 12 feet				
15						
20						
25						
30						

Depth in feet

Drilling Method: Direct-Push	Date: 7/21/2017	Other Information:
Drilling Company: ESN Northwest	Weather: Sunny, Warm	
Boring Diameter: Two Inches	Page 1 of 1	
Logged By: K. Vandehey		

g-logics

Boring/Well Log
Auburn Way Property
3001 and 3025 Auburn Way N
Auburn, Washington

GLB-2

glb-3.vsd

INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
		Asphalt Pavement				
0		0-2': SILTY SAND, well-graded with gravel: subrounded fine to coarse gravel; fine to medium sand; some fines; brown, no odor, moist.	40	SW		
		2'-4': No recovery.				
	GLB3-4			ML	0.8	
5		4'-8': SILT with clay: medium plasticity; yellow brown turning to gray @ 7 feet, no odor, moist.	80			
	GLB3-8	8'-12': SILTY SAND: fine grain; olive brown, no odor, wet @ 8 feet.	90	SM	0.5	
10	GLB3-11	Groundwater at 10.8'			0.4	
		E.O.B. at 12 feet				
15						
20						
25						
30						

Depth in feet

Drilling Method: Direct-Push	Date: 7/21/2017	Other Information:
Drilling Company: ESN Northwest	Weather: Sunny, Warm	
Boring Diameter: Two Inches	Page 1 of 1	
Logged By: K. Vandehey		

g-logics

Boring/Well Log
Auburn Way Property
3001 and 3025 Auburn Way N
Auburn, Washington

GLB-3

glb-4.vsd

INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
		Asphalt Pavement				
0		0-2': SILTY SAND, well-graded with gravel: subrounded fine to coarse gravel; fine to medium sand; some fines; brown, no odor, moist.	50	SW		
		2'-4': No recovery.				
	GLB4-4	4'-6': SILT with clay: medium plasticity; olive brown, no odor moist to wet @ 6 feet.			0.5	
5		6'-8': No recovery.	60	ML		
		Groundwater at 7.54'				
	GLB4-8	8'-9': Same as above; gray, no odor, wet.			0.3	
		9'-12': SILTY SAND: fine grain; olive brown, no odor, wet.	80			
10	GLB4-11			SM	0.5	
		E.O.B. at 12 feet				
15						
20						
25						
30						

Depth in feet

Drilling Method: Direct-Push	Date: 7/21/2017	Other Information:
Drilling Company: ESN Northwest	Weather: Sunny, Warm	
Boring Diameter: Two Inches	Page 1 of 1	
Logged By: K. Vandehey		

g-logics

Boring/Well Log
Auburn Way Property
3001 and 3025 Auburn Way N
Auburn, Washington

GLB-4

glb-5.vsd

INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0		Asphalt Pavement				2" Boring
		0-4': SILTY SAND, well-graded with gravel: subrounded fine to coarse gravel; fine to medium sand; some fines; brown, no odor, moist.	50	SW		
		4'-6': No recovery.				
5		6'-9': SILT with clay: medium plasticity; gray brown turning gray blue @ 7 feet, no odor, moist to wet @ 8 feet, possible sheen in water.	75	ML	0.4	0.75" PVC Blank
	GLB5-8	Groundwater at 10.14'				
10		9'-12': SILTY SAND: fine grain; gray brown turning olive brown @ 11 feet, no odor, wet.	50	SM	0.4	
	GLB5-12					.075" PVC Screen
	GLB-5-W	12'-14': No recovery.				
15		E.O.B. at 14 feet				
20						
25						
30	Depth in feet					

Drilling Method: Direct-Push	**Date:** 7/21/2017	**Other Information:** Slow Recovery on water. Grab water sample collected with a peristaltic pump. Following sample collection, PVC was removed and the boring was backfilled with bentonite.
Drilling Company: ESN Northwest	**Weather:** Sunny, Warm	
Boring Diameter: Two Inches	**Page** 1 of 1	
Logged By: K. Vandehey		

g-logics

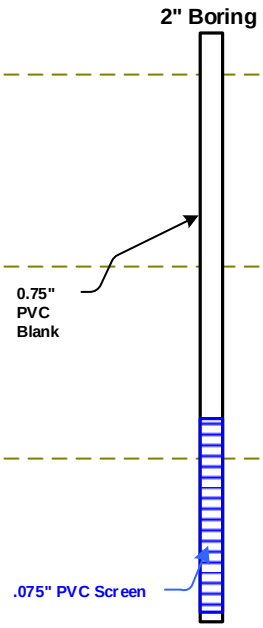
Boring/Well Log
Auburn Way Property
3001 and 3025 Auburn Way N
Auburn, Washington

GLB-5

glb-6.vsd

INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)
0		Asphalt Pavement			
		0-2': SILTY SAND, well-graded with gravel: subrounded fine to coarse gravel; fine to medium sand; some fines; brown, no odor, moist.	55	SW	
	GLB6-4	2'-4': No recovery.			0.6
5		4'-9': SILT with clay: medium plasticity; gray brown, no odor, moist to wet @ 9 feet.	75	ML	
	GLB6-8	Groundwater at 9.02'			0.5
10	GLB-6-W	9'-12': SILTY SAND: fine grain; olive brown, no odor, wet.	75	SM	0.4
	GLB6-11	12'-14': No sample collected, drove casing to 14' to set PVC. E.O.B. at 14 feet			
15					
20					
25					
30					

Depth in feet



WELL CONSTRUCTION

Drilling Method:	Direct-Push	Date:	7/21/2017
Drilling Company:	ESN Northwest	Weather:	Sunny, Warm
Boring Diameter:	Two Inches	Page	1 of 1
Logged By:	K. Vandehey		

Other Information:
Grab water sample collected with a peristaltic pump. Following sample collection, PVC was removed and the boring was backfilled with bentonite.

g-logics

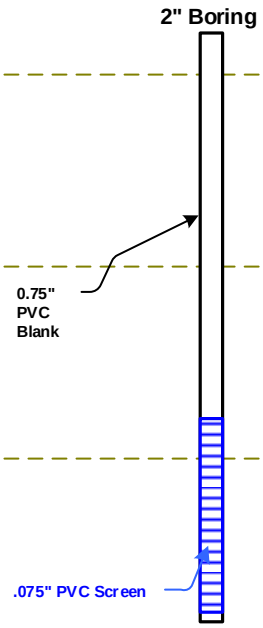
Boring/Well Log
Auburn Way Property
3001 and 3025 Auburn Way N
Auburn, Washington

GLB-6

glb-7.vsd

INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)
		Asphalt Pavement			
		4'-9': SILT with clay: medium plasticity; brown turning gray @ 5 feet, petroleum odor, moist to wet @ 9 feet.	75	ML	5.5
	GLB7-6				
		Groundwater at 9.09'			
	GLB7-9	9'-12': SILTY SAND: fine grain; gray brown turning olive brown @ 11 feet, petroleum odor decreasing with depth, wet.	75	SM	8.3
	GLB7-11				--
	GLB-7-W	12'-14': No sample collected, drove casing to 14' to set PVC. E.O.B. at 14 feet			

WELL CONSTRUCTION



0 5 10 15 20 25 30

Depth in feet

Drilling Method: Direct-Push	Date: 7/21/2017	Other Information: Grab water sample collected with a peristaltic pump. Following sample collection, PVC was removed and the boring was backfilled with bentonite.
Drilling Company: ESN Northwest	Weather: Sunny, Warm	
Boring Diameter: Two Inches	Page 1 of 1	
Logged By: K. Vandehey		

g-logics

Boring/Well Log
Auburn Way Property
3001 and 3025 Auburn Way N
Auburn, Washington

GLB-7

glb-8.vsd

INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
		Asphalt Pavement				
		4'-5': SILTY SAND, well-graded with gravel: subrounded fine to coarse gravel; fine to medium sand; some fines; brown, no odor, moist.		SW		
		5'-9.5': SILT with clay: medium plasticity; yellow brown turning gray @ 7 feet, no odor, moist to wet @ 6 feet. Groundwater at 9'	70	ML		
	GLB8-9	9.5'-12': SILTY SAND: fine grain; gray, no odor, wet.	70	SM		
		E.O.B. at 12 feet				

0 5 10 15 20 25 30

Depth in feet

Drilling Method: Direct-Push	Date: 7/21/2017	Other Information:
Drilling Company: ESN Northwest	Weather: Sunny, Warm	
Boring Diameter: Two Inches	Page 1 of 1	
Logged By: K. Vandehey		

g-logics

Boring/Well Log
Auburn Way Property
3001 and 3025 Auburn Way N
Auburn, Washington

GLB-8

glb-9.vsd

INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
		Asphalt Pavement				
		4'-.5': SILTY SAND, well-graded with gravel: subrounded fine to coarse gravel; fine to medium sand; some fines; brown, no odor, moist.		SW		
		4.5'-9.5': SILT with clay: medium plasticity; yellow brown turning gray @ 7 feet, no odor, moist to wet @ 9 feet. Groundwater at 9'	70	ML		
	GLB9-9	9.5'-12': SILTY SAND: fine grain; gray, no odor, wet.	70	SM		
		E.O.B. at 12 feet				

0 5 10 15 20 25 30

Depth in feet

Drilling Method: Direct-Push	Date: 7/21/2017	Other Information:
Drilling Company: ESN Northwest	Weather: Sunny, Warm	
Boring Diameter: Two Inches	Page 1 of 1	
Logged By: K. Vandehey		

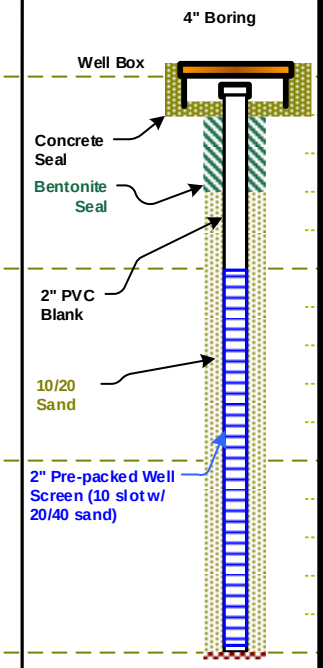
g-logics

Boring/Well Log
Auburn Way Property
3001 and 3025 Auburn Way N
Auburn, Washington

GLB-9

gl-mw-1.vsd

INTERVAL	SAMPLE NUMBER	SOIL DESCRIPTION	Recovery %	USCS	PID (ppmv in headspace)	WELL CONSTRUCTION
0		Asphalt Pavement				
		Soils Not Observed				
5						
		Groundwater at 10'				
10						
		E.O.B. at 15 feet				
15						
20						
25						
30						



Depth in feet

Drilling Method: Direct-Push	Date: 7/31/2017	Other Information: Well Tag ID# BJW 614
Drilling Company: ESN Northwest	Weather: Sunny, Warm	
Boring Diameter: Four Inches	Page 1 of 1	
Logged By: J. Stordahl		

g-logics

Boring/Well Log
Auburn Way Property
3001 and 3025 Auburn Way N
Auburn, Washington

GL-MW-1

APPENDIX D

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

G-Logics
Rory Galloway
40 Second Ave. SE
Issaquah, WA 98027

RE: Auburn Subaru
Work Order Number: 1707217

August 07, 2017

Attention Rory Galloway:

Fremont Analytical, Inc. received 28 sample(s) on 7/22/2017 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Dissolved Metals by EPA Method 200.8
Gasoline by NWTPH-Gx
Hexavalent Chromium by EPA Method 7196
Mercury by EPA Method 245.1
Mercury by EPA Method 7471
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 200.8
Total Metals by EPA Method 6020
Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
Laboratory Director

CC:
Karis Vandehey

Date: *08/07/2017*

CLIENT: G-Logics
Project: Auburn Subaru
Work Order: 1707217

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1707217-001	GLB-1-5	07/21/2017 9:45 AM	07/22/2017 10:00 AM
1707217-002	GLB-1-10	07/21/2017 9:50 AM	07/22/2017 10:00 AM
1707217-003	GLB-1-14	07/21/2017 9:55 AM	07/22/2017 10:00 AM
1707217-004	GLB-2-4	07/21/2017 11:10 AM	07/22/2017 10:00 AM
1707217-005	GLB-2-8	07/21/2017 11:15 AM	07/22/2017 10:00 AM
1707217-006	GLB-2-11	07/21/2017 11:20 AM	07/22/2017 10:00 AM
1707217-007	GLB-3-4	07/21/2017 11:55 AM	07/22/2017 10:00 AM
1707217-008	GLB-3-8	07/21/2017 12:00 PM	07/22/2017 10:00 AM
1707217-009	GLB-3-11	07/21/2017 12:05 PM	07/22/2017 10:00 AM
1707217-010	GLB-4-4	07/21/2017 12:15 PM	07/22/2017 10:00 AM
1707217-011	GLB-4-8	07/21/2017 12:50 PM	07/22/2017 10:00 AM
1707217-012	GLB-4-11	07/21/2017 12:55 PM	07/22/2017 10:00 AM
1707217-013	GLB-5-8	07/21/2017 2:15 PM	07/22/2017 10:00 AM
1707217-014	GLB-5-12	07/21/2017 2:20 PM	07/22/2017 10:00 AM
1707217-015	GLB-6-4	07/21/2017 4:00 PM	07/22/2017 10:00 AM
1707217-016	GLB-6-8	07/21/2017 4:05 PM	07/22/2017 10:00 AM
1707217-017	GLB-6-11	07/21/2017 4:10 PM	07/22/2017 10:00 AM
1707217-018	GLB-7-6	07/21/2017 5:15 PM	07/22/2017 10:00 AM
1707217-019	GLB-7-9	07/21/2017 5:20 PM	07/22/2017 10:00 AM
1707217-020	GLB-7-11	07/21/2017 5:25 PM	07/22/2017 10:00 AM
1707217-021	GLB-8-9	07/21/2017 6:05 PM	07/22/2017 10:00 AM
1707217-022	GLB-9-9	07/21/2017 6:50 PM	07/22/2017 10:00 AM
1707217-023	GLB-1-W	07/21/2017 10:45 AM	07/22/2017 10:00 AM
1707217-024	GLB-5-W	07/21/2017 3:30 PM	07/22/2017 10:00 AM
1707217-025	GLB-6-W	07/21/2017 4:45 PM	07/22/2017 10:00 AM
1707217-026	GLB-7-W	07/21/2017 7:50 PM	07/22/2017 10:00 AM
1707217-027	Trip Blank	07/17/2017 12:51 PM	07/22/2017 10:00 AM
1707217-028	Trip Blank	07/17/2017 12:30 PM	07/22/2017 10:00 AM

Case Narrative

WO#: **1707217**
Date: **8/7/2017**

CLIENT: G-Logics
Project: Auburn Subaru

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

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

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

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (1707217-001A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (1707217-019A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (1707217-001A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (1707217-019A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-DX-W), SAMPLE (1707217-023B) required Silica Gel Cleanup Procedure (Using Method No 3630C).
Prep Comments for METHOD (PREP-DX-W), SAMPLE (1707217-024B) required Silica Gel Cleanup Procedure (Using Method No 3630C).
Prep Comments for METHOD (PREP-DX-W), SAMPLE (1707217-026B) required Silica Gel Cleanup Procedure (Using Method No 3630C).
Prep Comments for METHOD (PREP-DX-S), SAMPLE (1707217-001A) required Silica Gel Cleanup Procedure (Using Method No 3630C).
Prep Comments for METHOD (PREP-DX-S), SAMPLE (1707217-018A) required Silica Gel Cleanup Procedure (Using Method No 3630C).
Prep Comments for METHOD (PREP-DX-S), SAMPLE (1707217-019A) required Silica Gel Cleanup Procedure (Using Method No 3630C).

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 9:45:00 AM
Project: Auburn Subaru
Lab ID: 1707217-001
Matrix: Soil
Client Sample ID: **GLB-1-5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 17707		Analyst: SG
Aroclor 1016	ND	0.132		mg/Kg-dry	1	7/24/2017 3:15:18 PM
Aroclor 1221	ND	0.132		mg/Kg-dry	1	7/24/2017 3:15:18 PM
Aroclor 1232	ND	0.132		mg/Kg-dry	1	7/24/2017 3:15:18 PM
Aroclor 1242	0.132	0.132		mg/Kg-dry	1	7/24/2017 3:15:18 PM
Aroclor 1248	ND	0.132		mg/Kg-dry	1	7/24/2017 3:15:18 PM
Aroclor 1254	ND	0.132		mg/Kg-dry	1	7/24/2017 3:15:18 PM
Aroclor 1260	ND	0.132		mg/Kg-dry	1	7/24/2017 3:15:18 PM
Aroclor 1262	ND	0.132		mg/Kg-dry	1	7/24/2017 3:15:18 PM
Aroclor 1268	ND	0.132		mg/Kg-dry	1	7/24/2017 3:15:18 PM
Total PCBs	0.132	0.132		mg/Kg-dry	1	7/24/2017 3:15:18 PM
Surr: Decachlorobiphenyl	88.5	30.8 - 168		%Rec	1	7/24/2017 3:15:18 PM
Surr: Tetrachloro-m-xylene	93.9	30.1 - 143		%Rec	1	7/24/2017 3:15:18 PM
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17701		Analyst: SB
Diesel (Fuel Oil)	ND	525	DSGT	mg/Kg-dry	20	8/2/2017 6:53:45 AM
Diesel (Fuel Oil)	ND	26.2		mg/Kg-dry	1	7/24/2017 1:49:08 PM
Heavy Oil	5,990	1,310	DSGT	mg/Kg-dry	20	8/2/2017 6:53:45 AM
Heavy Oil	6,110	1,310	D	mg/Kg-dry	20	7/25/2017 1:55:01 AM
Surr: 2-Fluorobiphenyl	97.5	50 - 150		%Rec	1	7/24/2017 1:49:08 PM
Surr: o-Terphenyl	109	50 - 150		%Rec	1	7/24/2017 1:49:08 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 17700		Analyst: BT
Naphthalene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
2-Methylnaphthalene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
1-Methylnaphthalene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Acenaphthylene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Acenaphthene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Fluorene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Phenanthrene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Anthracene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Fluoranthene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Pyrene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Benz(a)anthracene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Chrysene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Benzo(b)fluoranthene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM

NOTES:
SGT - Silica Gel Treatment

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 9:45:00 AM
Project: Auburn Subaru
Lab ID: 1707217-001
Matrix: Soil
Client Sample ID: **GLB-1-5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 17700		Analyst: BT
Benzo(j,k)fluoranthene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Benzo(a)pyrene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Indeno(1,2,3-cd)pyrene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Dibenz(a,h)anthracene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Benzo(g,h,i)perylene	ND	52.5		µg/Kg-dry	1	7/24/2017 5:59:58 PM
Surr: 2-Fluorobiphenyl	60.4	24.5 - 139		%Rec	1	7/24/2017 5:59:58 PM
Surr: Terphenyl-d14 (surr)	72.5	46.2 - 179		%Rec	1	7/24/2017 5:59:58 PM
Gasoline by NWTPH-Gx				Batch ID: 17709		Analyst: MW
Gasoline	ND	6.10		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Surr: Toluene-d8	95.7	65 - 135		%Rec	1	7/25/2017 12:40:47 AM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	7/25/2017 12:40:47 AM
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17709		Analyst: MW
Dichlorodifluoromethane (CFC-12)	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Chloromethane	ND	0.0610		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Vinyl chloride	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Bromomethane	ND	0.0610		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Trichlorofluoromethane (CFC-11)	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Chloroethane	ND	0.0610		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,1-Dichloroethene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Methylene chloride	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
trans-1,2-Dichloroethene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Methyl tert-butyl ether (MTBE)	ND	0.0610		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,1-Dichloroethane	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
2,2-Dichloropropane	ND	0.122	Q	mg/Kg-dry	1	7/25/2017 12:40:47 AM
cis-1,2-Dichloroethene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Chloroform	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,1,1-Trichloroethane (TCA)	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,1-Dichloropropene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Carbon tetrachloride	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,2-Dichloroethane (EDC)	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Benzene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Trichloroethene (TCE)	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,2-Dichloropropane	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Bromodichloromethane	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Dibromomethane	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM

Client: G-Logics **Collection Date:** 7/21/2017 9:45:00 AM
Project: Auburn Subaru
Lab ID: 1707217-001 **Matrix:** Soil
Client Sample ID: **GLB-1-5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17709		Analyst: MW
cis-1,3-Dichloropropene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Toluene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
trans-1,3-Dichloropropylene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,1,2-Trichloroethane	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,3-Dichloropropane	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Tetrachloroethene (PCE)	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Dibromochloromethane	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,2-Dibromoethane (EDB)	ND	0.00610		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Chlorobenzene	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,1,1,2-Tetrachloroethane	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Ethylbenzene	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
m,p-Xylene	ND	0.0610		mg/Kg-dry	1	7/25/2017 12:40:47 AM
o-Xylene	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Styrene	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Isopropylbenzene	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Bromoform	ND	0.0610		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,1,2,2-Tetrachloroethane	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
n-Propylbenzene	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Bromobenzene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,3,5-Trimethylbenzene	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
2-Chlorotoluene	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
4-Chlorotoluene	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
tert-Butylbenzene	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,2,3-Trichloropropane	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,2,4-Trichlorobenzene	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
sec-Butylbenzene	ND	0.0610		mg/Kg-dry	1	7/25/2017 12:40:47 AM
4-Isopropyltoluene	ND	0.0610		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,3-Dichlorobenzene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,4-Dichlorobenzene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
n-Butylbenzene	ND	0.0305		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,2-Dichlorobenzene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,2-Dibromo-3-chloropropane	ND	0.610	Q	mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,2,4-Trimethylbenzene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Hexachlorobutadiene	ND	0.0610		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Naphthalene	ND	0.0610		mg/Kg-dry	1	7/25/2017 12:40:47 AM
1,2,3-Trichlorobenzene	ND	0.0244		mg/Kg-dry	1	7/25/2017 12:40:47 AM
Surr: Dibromofluoromethane	94.5	56.5 - 129		%Rec	1	7/25/2017 12:40:47 AM
Surr: Toluene-d8	108	64.5 - 151		%Rec	1	7/25/2017 12:40:47 AM
Surr: 1-Bromo-4-fluorobenzene	96.3	63.1 - 141		%Rec	1	7/25/2017 12:40:47 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 9:45:00 AM
Project: Auburn Subaru
Lab ID: 1707217-001
Matrix: Soil
Client Sample ID: **GLB-1-5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17709		Analyst: MW
NOTES: Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).						
Mercury by EPA Method 7471				Batch ID: 17706		Analyst: WF
Mercury	ND	0.345		mg/Kg-dry	1	7/24/2017 4:08:45 PM
Total Metals by EPA Method 6020				Batch ID: 17699		Analyst: TN
Arsenic	15.2	0.105		mg/Kg-dry	1	7/24/2017 3:14:06 PM
Cadmium	0.278	0.209		mg/Kg-dry	1	7/24/2017 3:14:06 PM
Chromium	27.7	0.105		mg/Kg-dry	1	7/24/2017 3:14:06 PM
Lead	91.8	0.209		mg/Kg-dry	1	7/24/2017 3:14:06 PM
Sample Moisture (Percent Moisture)				Batch ID: R37550		Analyst: BB
Percent Moisture	27.6	0.500		wt%	1	7/24/2017 11:28:26 AM
Hexavalent Chromium by EPA Method 7196				Batch ID: 17725		Analyst: MW
Chromium, Hexavalent	ND	0.682		mg/Kg-dry	1	7/25/2017 2:57:00 PM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 9:50:00 AM
Project: Auburn Subaru
Lab ID: 1707217-002
Matrix: Soil
Client Sample ID: **GLB-1-10**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17720		Analyst: SB
Diesel (Fuel Oil)	ND	23.8		mg/Kg-dry	1	7/25/2017 1:28:24 PM
Heavy Oil	ND	59.5		mg/Kg-dry	1	7/25/2017 1:28:24 PM
Surr: 2-Fluorobiphenyl	105	50 - 150		%Rec	1	7/25/2017 1:28:24 PM
Surr: o-Terphenyl	106	50 - 150		%Rec	1	7/25/2017 1:28:24 PM
Sample Moisture (Percent Moisture)				Batch ID: R37593		Analyst: BB
Percent Moisture	26.4	0.500		wt%	1	7/25/2017 1:43:19 PM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 11:10:00 AM
Project: Auburn Subaru
Lab ID: 1707217-004
Matrix: Soil
Client Sample ID: **GLB-2-4**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17701		Analyst: SB
Diesel (Fuel Oil)	ND	24.3		mg/Kg-dry	1	7/24/2017 6:14:08 PM
Heavy Oil	ND	60.7		mg/Kg-dry	1	7/24/2017 6:14:08 PM
Surr: 2-Fluorobiphenyl	90.4	50 - 150		%Rec	1	7/24/2017 6:14:08 PM
Surr: o-Terphenyl	97.1	50 - 150		%Rec	1	7/24/2017 6:14:08 PM
Sample Moisture (Percent Moisture)				Batch ID: R37550		Analyst: BB
Percent Moisture	26.4	0.500		wt%	1	7/24/2017 11:28:26 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 12:00:00 PM
Project: Auburn Subaru
Lab ID: 1707217-008
Matrix: Soil
Client Sample ID: **GLB-3-8**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17701		Analyst: SB
Diesel (Fuel Oil)	ND	24.3		mg/Kg-dry	1	7/24/2017 6:47:15 PM
Heavy Oil	ND	60.9		mg/Kg-dry	1	7/24/2017 6:47:15 PM
Surr: 2-Fluorobiphenyl	87.4	50 - 150		%Rec	1	7/24/2017 6:47:15 PM
Surr: o-Terphenyl	95.9	50 - 150		%Rec	1	7/24/2017 6:47:15 PM
Sample Moisture (Percent Moisture)				Batch ID: R37550		Analyst: BB
Percent Moisture	30.7	0.500		wt%	1	7/24/2017 11:28:26 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 12:50:00 PM
Project: Auburn Subaru
Lab ID: 1707217-011
Matrix: Soil
Client Sample ID: **GLB-4-8**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17701		Analyst: SB
Diesel (Fuel Oil)	ND	23.9		mg/Kg-dry	1	7/24/2017 7:20:52 PM
Heavy Oil	ND	59.9		mg/Kg-dry	1	7/24/2017 7:20:52 PM
Surr: 2-Fluorobiphenyl	83.7	50 - 150		%Rec	1	7/24/2017 7:20:52 PM
Surr: o-Terphenyl	87.9	50 - 150		%Rec	1	7/24/2017 7:20:52 PM
Sample Moisture (Percent Moisture)				Batch ID: R37550		Analyst: BB
Percent Moisture	27.3	0.500		wt%	1	7/24/2017 11:28:26 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 2:15:00 PM
Project: Auburn Subaru
Lab ID: 1707217-013
Matrix: Soil
Client Sample ID: **GLB-5-8**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17701		Analyst: SB
Diesel (Fuel Oil)	ND	25.3		mg/Kg-dry	1	7/24/2017 7:53:36 PM
Heavy Oil	ND	63.4		mg/Kg-dry	1	7/24/2017 7:53:36 PM
Surr: 2-Fluorobiphenyl	86.4	50 - 150		%Rec	1	7/24/2017 7:53:36 PM
Surr: o-Terphenyl	95.5	50 - 150		%Rec	1	7/24/2017 7:53:36 PM
Gasoline by NWTPH-Gx				Batch ID: 17709		Analyst: MW
Gasoline	ND	5.91		mg/Kg-dry	1	7/25/2017 1:10:40 AM
Surr: 4-Bromofluorobenzene	98.1	65 - 135		%Rec	1	7/25/2017 1:10:40 AM
Surr: Toluene-d8	98.2	65 - 135		%Rec	1	7/25/2017 1:10:40 AM
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17709		Analyst: MW
Benzene	ND	0.0237		mg/Kg-dry	1	7/25/2017 1:10:40 AM
Toluene	ND	0.0237		mg/Kg-dry	1	7/25/2017 1:10:40 AM
Ethylbenzene	ND	0.0296		mg/Kg-dry	1	7/25/2017 1:10:40 AM
m,p-Xylene	ND	0.0591		mg/Kg-dry	1	7/25/2017 1:10:40 AM
o-Xylene	ND	0.0296		mg/Kg-dry	1	7/25/2017 1:10:40 AM
Surr: Dibromofluoromethane	93.1	56.5 - 129		%Rec	1	7/25/2017 1:10:40 AM
Surr: Toluene-d8	104	64.5 - 151		%Rec	1	7/25/2017 1:10:40 AM
Surr: 1-Bromo-4-fluorobenzene	94.5	63.1 - 141		%Rec	1	7/25/2017 1:10:40 AM
Sample Moisture (Percent Moisture)				Batch ID: R37550		Analyst: BB
Percent Moisture	29.2	0.500		wt%	1	7/24/2017 11:28:26 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 4:05:00 PM
Project: Auburn Subaru
Lab ID: 1707217-016
Matrix: Soil
Client Sample ID: **GLB-6-8**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17701		Analyst: SB
Diesel (Fuel Oil)	ND	25.3		mg/Kg-dry	1	7/24/2017 8:26:58 PM
Heavy Oil	ND	63.2		mg/Kg-dry	1	7/24/2017 8:26:58 PM
Surr: 2-Fluorobiphenyl	98.6	50 - 150		%Rec	1	7/24/2017 8:26:58 PM
Surr: o-Terphenyl	108	50 - 150		%Rec	1	7/24/2017 8:26:58 PM
Gasoline by NWTPH-Gx				Batch ID: 17709		Analyst: MW
Gasoline	ND	5.60		mg/Kg-dry	1	7/25/2017 2:10:22 AM
Surr: 4-Bromofluorobenzene	98.5	65 - 135		%Rec	1	7/25/2017 2:10:22 AM
Surr: Toluene-d8	97.7	65 - 135		%Rec	1	7/25/2017 2:10:22 AM
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17709		Analyst: MW
Benzene	ND	0.0224		mg/Kg-dry	1	7/25/2017 2:10:22 AM
Toluene	ND	0.0224		mg/Kg-dry	1	7/25/2017 2:10:22 AM
Ethylbenzene	ND	0.0280		mg/Kg-dry	1	7/25/2017 2:10:22 AM
m,p-Xylene	ND	0.0560		mg/Kg-dry	1	7/25/2017 2:10:22 AM
o-Xylene	ND	0.0280		mg/Kg-dry	1	7/25/2017 2:10:22 AM
Surr: Dibromofluoromethane	92.6	56.5 - 129		%Rec	1	7/25/2017 2:10:22 AM
Surr: Toluene-d8	106	64.5 - 151		%Rec	1	7/25/2017 2:10:22 AM
Surr: 1-Bromo-4-fluorobenzene	94.8	63.1 - 141		%Rec	1	7/25/2017 2:10:22 AM
Sample Moisture (Percent Moisture)				Batch ID: R37550		Analyst: BB
Percent Moisture	28.8	0.500		wt%	1	7/24/2017 11:28:26 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 5:15:00 PM
Project: Auburn Subaru
Lab ID: 1707217-018
Matrix: Soil
Client Sample ID: **GLB-7-6**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17701		Analyst: SB
Diesel (Fuel Oil)	ND	23.8		mg/Kg-dry	1	7/24/2017 9:00:10 PM
Diesel (Fuel Oil)	ND	23.8	SGT	mg/Kg-dry	1	8/2/2017 7:58:51 AM
Heavy Oil	2,160	59.5		mg/Kg-dry	1	7/24/2017 9:00:10 PM
Heavy Oil	2,500	59.5	SGT	mg/Kg-dry	1	8/2/2017 7:58:51 AM
Surr: 2-Fluorobiphenyl	91.3	50 - 150		%Rec	1	7/24/2017 9:00:10 PM
Surr: o-Terphenyl	93.4	50 - 150		%Rec	1	7/24/2017 9:00:10 PM
NOTES: SGT - Silica Gel Treatment						
Gasoline by NWTPH-Gx				Batch ID: 17709		Analyst: MW
Gasoline	ND	5.70		mg/Kg-dry	1	7/25/2017 2:40:14 AM
Surr: 4-Bromofluorobenzene	99.7	65 - 135		%Rec	1	7/25/2017 2:40:14 AM
Surr: Toluene-d8	96.4	65 - 135		%Rec	1	7/25/2017 2:40:14 AM
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17709		Analyst: MW
Benzene	ND	0.0228		mg/Kg-dry	1	7/25/2017 2:40:14 AM
Toluene	ND	0.0228		mg/Kg-dry	1	7/25/2017 2:40:14 AM
Ethylbenzene	ND	0.0285		mg/Kg-dry	1	7/25/2017 2:40:14 AM
m,p-Xylene	ND	0.0570		mg/Kg-dry	1	7/25/2017 2:40:14 AM
o-Xylene	0.0468	0.0285		mg/Kg-dry	1	7/25/2017 2:40:14 AM
Surr: Dibromofluoromethane	93.9	56.5 - 129		%Rec	1	7/25/2017 2:40:14 AM
Surr: Toluene-d8	108	64.5 - 151		%Rec	1	7/25/2017 2:40:14 AM
Surr: 1-Bromo-4-fluorobenzene	96.0	63.1 - 141		%Rec	1	7/25/2017 2:40:14 AM
Sample Moisture (Percent Moisture)				Batch ID: R37550		Analyst: BB
Percent Moisture	25.3	0.500		wt%	1	7/24/2017 11:28:26 AM

Client: G-Logics
Collection Date: 7/21/2017 5:20:00 PM
Project: Auburn Subaru
Lab ID: 1707217-019
Matrix: Soil
Client Sample ID: **GLB-7-9**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 17707		Analyst: SG
Aroclor 1016	ND	0.119		mg/Kg-dry	1	7/24/2017 3:25:19 PM
Aroclor 1221	ND	0.119		mg/Kg-dry	1	7/24/2017 3:25:19 PM
Aroclor 1232	ND	0.119		mg/Kg-dry	1	7/24/2017 3:25:19 PM
Aroclor 1242	0.316	0.119		mg/Kg-dry	1	7/24/2017 3:25:19 PM
Aroclor 1248	ND	0.119		mg/Kg-dry	1	7/24/2017 3:25:19 PM
Aroclor 1254	ND	0.119		mg/Kg-dry	1	7/24/2017 3:25:19 PM
Aroclor 1260	ND	0.119		mg/Kg-dry	1	7/24/2017 3:25:19 PM
Aroclor 1262	ND	0.119		mg/Kg-dry	1	7/24/2017 3:25:19 PM
Aroclor 1268	ND	0.119		mg/Kg-dry	1	7/24/2017 3:25:19 PM
Total PCBs	0.316	0.119		mg/Kg-dry	1	7/24/2017 3:25:19 PM
Surr: Decachlorobiphenyl	86.3	30.8 - 168		%Rec	1	7/24/2017 3:25:19 PM
Surr: Tetrachloro-m-xylene	91.2	30.1 - 143		%Rec	1	7/24/2017 3:25:19 PM
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17701		Analyst: SB
Diesel (Fuel Oil)	ND	52.2	DSGT	mg/Kg-dry	2	8/2/2017 9:04:18 AM
Diesel (Fuel Oil)	ND	26.1		mg/Kg-dry	1	7/24/2017 10:06:18 PM
Heavy Oil	3,250	130	DSGT	mg/Kg-dry	2	8/2/2017 9:04:18 AM
Heavy Oil	2,900	130	D	mg/Kg-dry	2	7/25/2017 9:26:23 AM
Surr: 2-Fluorobiphenyl	108	50 - 150		%Rec	1	7/24/2017 10:06:18 PM
Surr: o-Terphenyl	119	50 - 150		%Rec	1	7/24/2017 10:06:18 PM

NOTES:
SGT - Silica Gel Treatment

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 17700		Analyst: BT
Naphthalene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
2-Methylnaphthalene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
1-Methylnaphthalene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Acenaphthylene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Acenaphthene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Fluorene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Phenanthrene	65.1	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Anthracene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Fluoranthene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Pyrene	70.1	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Benz(a)anthracene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Chrysene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Benzo(b)fluoranthene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM

Client: G-Logics **Collection Date:** 7/21/2017 5:20:00 PM
Project: Auburn Subaru
Lab ID: 1707217-019 **Matrix:** Soil
Client Sample ID: **GLB-7-9**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 17700		Analyst: BT
Benzo(j,k)fluoranthene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Benzo(a)pyrene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Indeno(1,2,3-cd)pyrene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Dibenz(a,h)anthracene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Benzo(g,h,i)perylene	ND	47.5		µg/Kg-dry	1	7/24/2017 6:23:07 PM
Surr: 2-Fluorobiphenyl	71.2	24.5 - 139		%Rec	1	7/24/2017 6:23:07 PM
Surr: Terphenyl-d14 (surr)	84.4	46.2 - 179		%Rec	1	7/24/2017 6:23:07 PM
Gasoline by NWTPH-Gx				Batch ID: 17709		Analyst: MW
Gasoline	24.3	6.04		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Surr: Toluene-d8	94.8	65 - 135		%Rec	1	7/25/2017 3:39:52 AM
Surr: 4-Bromofluorobenzene	105	65 - 135		%Rec	1	7/25/2017 3:39:52 AM
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17709		Analyst: MW
Dichlorodifluoromethane (CFC-12)	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Chloromethane	ND	0.0604		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Vinyl chloride	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Bromomethane	ND	0.0604		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Trichlorofluoromethane (CFC-11)	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Chloroethane	ND	0.0604		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,1-Dichloroethene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Methylene chloride	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
trans-1,2-Dichloroethene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Methyl tert-butyl ether (MTBE)	ND	0.0604		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,1-Dichloroethane	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
2,2-Dichloropropane	ND	0.121	Q	mg/Kg-dry	1	7/25/2017 3:39:52 AM
cis-1,2-Dichloroethene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Chloroform	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,1,1-Trichloroethane (TCA)	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,1-Dichloropropene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Carbon tetrachloride	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,2-Dichloroethane (EDC)	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Benzene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Trichloroethene (TCE)	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,2-Dichloropropane	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Bromodichloromethane	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Dibromomethane	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM

Client: G-Logics **Collection Date:** 7/21/2017 5:20:00 PM
Project: Auburn Subaru
Lab ID: 1707217-019 **Matrix:** Soil
Client Sample ID: **GLB-7-9**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17709		Analyst: MW
cis-1,3-Dichloropropene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Toluene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
trans-1,3-Dichloropropylene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,1,2-Trichloroethane	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,3-Dichloropropane	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Tetrachloroethene (PCE)	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Dibromochloromethane	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,2-Dibromoethane (EDB)	ND	0.00604		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Chlorobenzene	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,1,1,2-Tetrachloroethane	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Ethylbenzene	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
m,p-Xylene	ND	0.0604		mg/Kg-dry	1	7/25/2017 3:39:52 AM
o-Xylene	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Styrene	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Isopropylbenzene	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Bromoform	ND	0.0604		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,1,2,2-Tetrachloroethane	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
n-Propylbenzene	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Bromobenzene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,3,5-Trimethylbenzene	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
2-Chlorotoluene	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
4-Chlorotoluene	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
tert-Butylbenzene	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,2,3-Trichloropropane	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,2,4-Trichlorobenzene	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
sec-Butylbenzene	ND	0.0604		mg/Kg-dry	1	7/25/2017 3:39:52 AM
4-Isopropyltoluene	ND	0.0604		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,3-Dichlorobenzene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,4-Dichlorobenzene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
n-Butylbenzene	ND	0.0302		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,2-Dichlorobenzene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,2-Dibromo-3-chloropropane	ND	0.604	Q	mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,2,4-Trimethylbenzene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Hexachlorobutadiene	ND	0.0604		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Naphthalene	ND	0.0604		mg/Kg-dry	1	7/25/2017 3:39:52 AM
1,2,3-Trichlorobenzene	ND	0.0241		mg/Kg-dry	1	7/25/2017 3:39:52 AM
Surr: Dibromofluoromethane	95.4	56.5 - 129		%Rec	1	7/25/2017 3:39:52 AM
Surr: Toluene-d8	108	64.5 - 151		%Rec	1	7/25/2017 3:39:52 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1 - 141		%Rec	1	7/25/2017 3:39:52 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 5:20:00 PM
Project: Auburn Subaru
Lab ID: 1707217-019
Matrix: Soil
Client Sample ID: **GLB-7-9**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17709		Analyst: MW
NOTES: Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).						
Mercury by EPA Method 7471				Batch ID: 17706		Analyst: WF
Mercury	ND	0.340		mg/Kg-dry	1	7/24/2017 4:12:58 PM
Total Metals by EPA Method 6020				Batch ID: 17699		Analyst: TN
Arsenic	3.47	0.111		mg/Kg-dry	1	7/24/2017 3:18:07 PM
Cadmium	ND	0.222		mg/Kg-dry	1	7/24/2017 3:18:07 PM
Chromium	20.9	0.111		mg/Kg-dry	1	7/24/2017 3:18:07 PM
Lead	4.09	0.222		mg/Kg-dry	1	7/24/2017 3:18:07 PM
Sample Moisture (Percent Moisture)				Batch ID: R37550		Analyst: BB
Percent Moisture	27.9	0.500		wt%	1	7/24/2017 11:28:26 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 5:25:00 PM
Project: Auburn Subaru
Lab ID: 1707217-020
Matrix: Soil
Client Sample ID: **GLB-7-11**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17701		Analyst: SB
Diesel (Fuel Oil)	ND	22.3		mg/Kg-dry	1	7/24/2017 11:44:42 PM
Heavy Oil	ND	55.7		mg/Kg-dry	1	7/24/2017 11:44:42 PM
Surr: 2-Fluorobiphenyl	51.8	50 - 150		%Rec	1	7/24/2017 11:44:42 PM
Surr: o-Terphenyl	55.1	50 - 150		%Rec	1	7/24/2017 11:44:42 PM
Sample Moisture (Percent Moisture)				Batch ID: R37550		Analyst: BB
Percent Moisture	21.4	0.500		wt%	1	7/24/2017 11:28:26 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 6:05:00 PM
Project: Auburn Subaru
Lab ID: 1707217-021
Matrix: Soil
Client Sample ID: **GLB-8-9**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17701		Analyst: SB
Diesel (Fuel Oil)	ND	26.9		mg/Kg-dry	1	7/25/2017 12:17:21 AM
Heavy Oil	ND	67.2		mg/Kg-dry	1	7/25/2017 12:17:21 AM
Surr: 2-Fluorobiphenyl	87.6	50 - 150		%Rec	1	7/25/2017 12:17:21 AM
Surr: o-Terphenyl	95.2	50 - 150		%Rec	1	7/25/2017 12:17:21 AM
Sample Moisture (Percent Moisture)				Batch ID: R37550		Analyst: BB
Percent Moisture	30.8	0.500		wt%	1	7/24/2017 11:28:26 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 6:50:00 PM
Project: Auburn Subaru
Lab ID: 1707217-022
Matrix: Soil
Client Sample ID: **GLB-9-9**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17701		Analyst: SB
Diesel (Fuel Oil)	ND	24.3		mg/Kg-dry	1	7/25/2017 12:49:58 AM
Heavy Oil	ND	60.7		mg/Kg-dry	1	7/25/2017 12:49:58 AM
Surr: 2-Fluorobiphenyl	109	50 - 150		%Rec	1	7/25/2017 12:49:58 AM
Surr: o-Terphenyl	121	50 - 150		%Rec	1	7/25/2017 12:49:58 AM
Sample Moisture (Percent Moisture)				Batch ID: R37550		Analyst: BB
Percent Moisture	28.5	0.500		wt%	1	7/24/2017 11:28:26 AM

Client: G-Logics **Collection Date:** 7/21/2017 10:45:00 AM
Project: Auburn Subaru
Lab ID: 1707217-023 **Matrix:** Water
Client Sample ID: **GLB-1-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 17702		Analyst: SG
Aroclor 1016	ND	0.100		µg/L	1	7/25/2017 11:03:49 AM
Aroclor 1221	ND	0.100		µg/L	1	7/25/2017 11:03:49 AM
Aroclor 1232	ND	0.100		µg/L	1	7/25/2017 11:03:49 AM
Aroclor 1242	ND	0.100		µg/L	1	7/25/2017 11:03:49 AM
Aroclor 1248	ND	0.100		µg/L	1	7/25/2017 11:03:49 AM
Aroclor 1254	ND	0.100		µg/L	1	7/25/2017 11:03:49 AM
Aroclor 1260	ND	0.100		µg/L	1	7/25/2017 11:03:49 AM
Aroclor 1262	ND	0.100		µg/L	1	7/25/2017 11:03:49 AM
Aroclor 1268	ND	0.100		µg/L	1	7/25/2017 11:03:49 AM
Total PCBs	ND	0.100		µg/L	1	7/25/2017 11:03:49 AM
Surr: Decachlorobiphenyl	44.8	23.1 - 172		%Rec	1	7/25/2017 11:03:49 AM
Surr: Tetrachloro-m-xylene	57.1	10 - 125		%Rec	1	7/25/2017 11:03:49 AM
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17703		Analyst: SB
Diesel (Fuel Oil)	ND	49.9	SGT	µg/L	1	8/2/2017 10:10:16 AM
Diesel (Fuel Oil)	ND	49.9		µg/L	1	7/25/2017 6:13:15 AM
Heavy Oil	1,210	99.8	SGT	µg/L	1	8/2/2017 10:10:16 AM
Heavy Oil	1,670	99.8		µg/L	1	7/25/2017 6:13:15 AM
Surr: 2-Fluorobiphenyl	89.0	50 - 150		%Rec	1	7/25/2017 6:13:15 AM
Surr: o-Terphenyl	96.5	50 - 150		%Rec	1	7/25/2017 6:13:15 AM
NOTES: SGT - Silica Gel Treatment						
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 17704		Analyst: BT
Naphthalene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
2-Methylnaphthalene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
1-Methylnaphthalene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Acenaphthylene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Acenaphthene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Fluorene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Phenanthrene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Anthracene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Fluoranthene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Pyrene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Benz(a)anthracene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Chrysene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Benzo(b)fluoranthene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM

Client: G-Logics **Collection Date:** 7/21/2017 10:45:00 AM
Project: Auburn Subaru
Lab ID: 1707217-023 **Matrix:** Water
Client Sample ID: **GLB-1-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 17704		Analyst: BT
Benzo(j,k)fluoranthene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Benzo(a)pyrene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Indeno(1,2,3-cd)pyrene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Dibenz(a,h)anthracene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Benzo(g,h,i)perylene	ND	0.0997		µg/L	1	7/24/2017 7:18:40 PM
Surr: 2-Fluorobiphenyl	98.5	31.2 - 159		%Rec	1	7/24/2017 7:18:40 PM
Surr: Terphenyl-d14	107	21.9 - 122		%Rec	1	7/24/2017 7:18:40 PM
Gasoline by NWTPH-Gx				Batch ID: 17715		Analyst: NG
Gasoline	ND	50.0		µg/L	1	7/25/2017 2:20:00 AM
Surr: Toluene-d8	103	65 - 135		%Rec	1	7/25/2017 2:20:00 AM
Surr: 4-Bromofluorobenzene	94.7	65 - 135		%Rec	1	7/25/2017 2:20:00 AM
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17715		Analyst: NG
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Chloromethane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Vinyl chloride	ND	0.200		µg/L	1	7/25/2017 2:20:00 AM
Bromomethane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Chloroethane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Methylene chloride	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
2,2-Dichloropropane	ND	2.00	Q	µg/L	1	7/25/2017 2:20:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Chloroform	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Benzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	7/25/2017 2:20:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Dibromomethane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM

Client: G-Logics
Collection Date: 7/21/2017 10:45:00 AM
Project: Auburn Subaru
Lab ID: 1707217-023
Matrix: Water
Client Sample ID: **GLB-1-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17715		Analyst: NG
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Toluene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	7/25/2017 2:20:00 AM
Chlorobenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Ethylbenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
m,p-Xylene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
o-Xylene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Styrene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Bromoform	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Bromobenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/25/2017 2:20:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	7/25/2017 2:20:00 AM
Naphthalene	ND	1.00		µg/L	1	7/25/2017 2:20:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/25/2017 2:20:00 AM
Surr: Dibromofluoromethane	96.0	45.4 - 152		%Rec	1	7/25/2017 2:20:00 AM
Surr: Toluene-d8	97.8	40.1 - 139		%Rec	1	7/25/2017 2:20:00 AM
Surr: 1-Bromo-4-fluorobenzene	91.7	64.2 - 128		%Rec	1	7/25/2017 2:20:00 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 10:45:00 AM
Project: Auburn Subaru
Lab ID: 1707217-023
Matrix: Water
Client Sample ID: **GLB-1-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17715		Analyst: NG
NOTES: Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).						
Mercury by EPA Method 245.1				Batch ID: 17705		Analyst: WF
Mercury	ND	0.100		µg/L	1	7/24/2017 6:20:35 PM
Total Metals by EPA Method 200.8				Batch ID: 17698		Analyst: TN
Arsenic	2.44	1.00		µg/L	1	7/24/2017 1:53:48 PM
Cadmium	ND	0.200		µg/L	1	7/24/2017 1:53:48 PM
Chromium	1.79	0.500		µg/L	1	7/24/2017 1:53:48 PM
Lead	2.06	0.500		µg/L	1	7/24/2017 1:53:48 PM

Client: G-Logics **Collection Date:** 7/21/2017 3:30:00 PM
Project: Auburn Subaru
Lab ID: 1707217-024 **Matrix:** Water
Client Sample ID: **GLB-5-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17703		Analyst: SB
Diesel (Fuel Oil)	ND	49.7	SGT	µg/L	1	8/2/2017 6:01:56 PM
Diesel (Fuel Oil)	ND	49.7		µg/L	1	7/25/2017 7:17:27 AM
Heavy Oil	599	99.4	SGT	µg/L	1	8/2/2017 6:01:56 PM
Heavy Oil	700	99.4		µg/L	1	7/25/2017 7:17:27 AM
Surr: 2-Fluorobiphenyl	80.2	50 - 150		%Rec	1	7/25/2017 7:17:27 AM
Surr: o-Terphenyl	90.4	50 - 150		%Rec	1	7/25/2017 7:17:27 AM
NOTES: SGT - Silica Gel Treatment						
Gasoline by NWTPH-Gx				Batch ID: 17715		Analyst: NG
Gasoline	ND	50.0		µg/L	1	7/25/2017 2:49:00 AM
Surr: Toluene-d8	105	65 - 135		%Rec	1	7/25/2017 2:49:00 AM
Surr: 4-Bromofluorobenzene	93.7	65 - 135		%Rec	1	7/25/2017 2:49:00 AM
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17715		Analyst: NG
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Chloromethane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Vinyl chloride	ND	0.200		µg/L	1	7/25/2017 2:49:00 AM
Bromomethane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Chloroethane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Methylene chloride	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
2,2-Dichloropropane	ND	2.00	Q	µg/L	1	7/25/2017 2:49:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Chloroform	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Benzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	7/25/2017 2:49:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM

Client: G-Logics **Collection Date:** 7/21/2017 3:30:00 PM
Project: Auburn Subaru
Lab ID: 1707217-024 **Matrix:** Water
Client Sample ID: **GLB-5-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17715		Analyst: NG
Dibromomethane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Toluene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	7/25/2017 2:49:00 AM
Chlorobenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Ethylbenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
m,p-Xylene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
o-Xylene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Styrene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Bromoform	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Bromobenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/25/2017 2:49:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	7/25/2017 2:49:00 AM
Naphthalene	ND	1.00		µg/L	1	7/25/2017 2:49:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/25/2017 2:49:00 AM
Surr: Dibromofluoromethane	95.5	45.4 - 152		%Rec	1	7/25/2017 2:49:00 AM
Surr: Toluene-d8	99.9	40.1 - 139		%Rec	1	7/25/2017 2:49:00 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 3:30:00 PM
Project: Auburn Subaru
Lab ID: 1707217-024
Matrix: Water
Client Sample ID: **GLB-5-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17715		Analyst: NG
Surr: 1-Bromo-4-fluorobenzene	91.1	64.2 - 128		%Rec	1	7/25/2017 2:49:00 AM
NOTES: Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).						
Mercury by EPA Method 245.1				Batch ID: 17705		Analyst: WF
Mercury	ND	0.100		µg/L	1	7/24/2017 6:27:25 PM
Dissolved Metals by EPA Method 200.8				Batch ID: 17727		Analyst: TN
Arsenic	5.19	1.00		µg/L	1	7/26/2017 9:51:41 AM
Total Metals by EPA Method 200.8				Batch ID: 17698		Analyst: TN
Arsenic	20.7	1.00		µg/L	1	7/24/2017 1:57:49 PM
Cadmium	ND	0.200		µg/L	1	7/24/2017 1:57:49 PM
Chromium	8.68	0.500		µg/L	1	7/24/2017 1:57:49 PM
Lead	0.592	0.500		µg/L	1	7/24/2017 1:57:49 PM

Client: G-Logics **Collection Date:** 7/21/2017 4:45:00 PM
Project: Auburn Subaru
Lab ID: 1707217-025 **Matrix:** Water
Client Sample ID: **GLB-6-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17703		Analyst: SB
Diesel (Fuel Oil)	ND	49.9		µg/L	1	7/25/2017 7:49:34 AM
Heavy Oil	161	99.8		µg/L	1	7/25/2017 7:49:34 AM
Surr: 2-Fluorobiphenyl	82.6	50 - 150		%Rec	1	7/25/2017 7:49:34 AM
Surr: o-Terphenyl	85.6	50 - 150		%Rec	1	7/25/2017 7:49:34 AM
Gasoline by NWTPH-Gx				Batch ID: 17715		Analyst: NG
Gasoline	ND	50.0		µg/L	1	7/25/2017 3:17:00 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	7/25/2017 3:17:00 AM
Surr: 4-Bromofluorobenzene	88.7	65 - 135		%Rec	1	7/25/2017 3:17:00 AM
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17715		Analyst: NG
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Chloromethane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Vinyl chloride	ND	0.200		µg/L	1	7/25/2017 3:17:00 AM
Bromomethane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Chloroethane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Methylene chloride	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
2,2-Dichloropropane	ND	2.00	Q	µg/L	1	7/25/2017 3:17:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Chloroform	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Benzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	7/25/2017 3:17:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Dibromomethane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Toluene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM

Client: G-Logics
Collection Date: 7/21/2017 4:45:00 PM
Project: Auburn Subaru
Lab ID: 1707217-025
Matrix: Water
Client Sample ID: **GLB-6-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17715		Analyst: NG
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	7/25/2017 3:17:00 AM
Chlorobenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Ethylbenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
m,p-Xylene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
o-Xylene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Styrene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Bromoform	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Bromobenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/25/2017 3:17:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	7/25/2017 3:17:00 AM
Naphthalene	ND	1.00		µg/L	1	7/25/2017 3:17:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/25/2017 3:17:00 AM
Surr: Dibromofluoromethane	94.8	45.4 - 152		%Rec	1	7/25/2017 3:17:00 AM
Surr: Toluene-d8	98.8	40.1 - 139		%Rec	1	7/25/2017 3:17:00 AM
Surr: 1-Bromo-4-fluorobenzene	86.4	64.2 - 128		%Rec	1	7/25/2017 3:17:00 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 4:45:00 PM
Project: Auburn Subaru
Lab ID: 1707217-025
Matrix: Water
Client Sample ID: **GLB-6-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Mercury by EPA Method 245.1				Batch ID: 17705		Analyst: WF
Mercury	ND	0.100		µg/L	1	7/24/2017 6:29:06 PM
Total Metals by EPA Method 200.8				Batch ID: 17698		Analyst: TN
Arsenic	6.52	1.00		µg/L	1	7/24/2017 2:01:51 PM
Cadmium	ND	0.200		µg/L	1	7/24/2017 2:01:51 PM
Chromium	2.00	0.500		µg/L	1	7/24/2017 2:01:51 PM
Lead	1.32	0.500		µg/L	1	7/24/2017 2:01:51 PM

Client: G-Logics **Collection Date:** 7/21/2017 7:50:00 PM
Project: Auburn Subaru
Lab ID: 1707217-026 **Matrix:** Water
Client Sample ID: **GLB-7-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 17702		Analyst: SG
Aroclor 1016	ND	0.0999		µg/L	1	7/25/2017 11:13:49 AM
Aroclor 1221	ND	0.0999		µg/L	1	7/25/2017 11:13:49 AM
Aroclor 1232	ND	0.0999		µg/L	1	7/25/2017 11:13:49 AM
Aroclor 1242	ND	0.0999		µg/L	1	7/25/2017 11:13:49 AM
Aroclor 1248	ND	0.0999		µg/L	1	7/25/2017 11:13:49 AM
Aroclor 1254	ND	0.0999		µg/L	1	7/25/2017 11:13:49 AM
Aroclor 1260	ND	0.0999		µg/L	1	7/25/2017 11:13:49 AM
Aroclor 1262	ND	0.0999		µg/L	1	7/25/2017 11:13:49 AM
Aroclor 1268	ND	0.0999		µg/L	1	7/25/2017 11:13:49 AM
Total PCBs	ND	0.0999		µg/L	1	7/25/2017 11:13:49 AM
Surr: Decachlorobiphenyl	43.9	23.1 - 172		%Rec	1	7/25/2017 11:13:49 AM
Surr: Tetrachloro-m-xylene	45.3	10 - 125		%Rec	1	7/25/2017 11:13:49 AM
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 17703		Analyst: SB
Diesel (Fuel Oil)	ND	49.8		µg/L	1	7/25/2017 8:21:46 AM
Diesel (Fuel Oil)	ND	49.8	SGT	µg/L	1	8/4/2017 2:17:02 AM
Diesel Range Organics (C12-C24)	857	49.8	SGT	µg/L	1	8/4/2017 2:17:02 AM
Diesel Range Organics (C12-C24)	1,200	49.8		µg/L	1	7/25/2017 8:21:46 AM
Heavy Oil	4,370	1,990	D	µg/L	20	7/25/2017 10:31:09 AM
Heavy Oil	3,090	99.6	SGT	µg/L	1	8/4/2017 2:17:02 AM
Surr: 2-Fluorobiphenyl	112	50 - 150		%Rec	1	7/25/2017 8:21:46 AM
Surr: o-Terphenyl	108	50 - 150		%Rec	1	7/25/2017 8:21:46 AM

NOTES:
DRO - Indicates the presence of unresolved compounds eluting from dodecane through tetracosane (C12-C24).
SGT - Silica Gel Treatment

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 17704		Analyst: BT
Naphthalene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
2-Methylnaphthalene	0.143	0.0997		µg/L	1	7/24/2017 7:42:06 PM
1-Methylnaphthalene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Acenaphthylene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Acenaphthene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Fluorene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Phenanthrene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Anthracene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Fluoranthene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Pyrene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM

Client: G-Logics **Collection Date:** 7/21/2017 7:50:00 PM
Project: Auburn Subaru
Lab ID: 1707217-026 **Matrix:** Water
Client Sample ID: **GLB-7-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 17704		Analyst: BT
Benz(a)anthracene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Chrysene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Benzo(b)fluoranthene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Benzo(j,k)fluoranthene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Benzo(a)pyrene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Indeno(1,2,3-cd)pyrene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Dibenz(a,h)anthracene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Benzo(g,h,i)perylene	ND	0.0997		µg/L	1	7/24/2017 7:42:06 PM
Surr: 2-Fluorobiphenyl	81.5	31.2 - 159		%Rec	1	7/24/2017 7:42:06 PM
Surr: Terphenyl-d14	79.1	21.9 - 122		%Rec	1	7/24/2017 7:42:06 PM
Gasoline by NWTPH-Gx				Batch ID: 17715		Analyst: NG
Gasoline	ND	50.0		µg/L	1	7/25/2017 4:14:00 AM
Surr: Toluene-d8	105	65 - 135		%Rec	1	7/25/2017 4:14:00 AM
Surr: 4-Bromofluorobenzene	96.1	65 - 135		%Rec	1	7/25/2017 4:14:00 AM
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17715		Analyst: NG
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Chloromethane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Vinyl chloride	ND	0.200		µg/L	1	7/25/2017 4:14:00 AM
Bromomethane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Chloroethane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Methylene chloride	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
2,2-Dichloropropane	ND	2.00	Q	µg/L	1	7/25/2017 4:14:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Chloroform	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Benzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	7/25/2017 4:14:00 AM

Client: G-Logics
Collection Date: 7/21/2017 7:50:00 PM
Project: Auburn Subaru
Lab ID: 1707217-026
Matrix: Water
Client Sample ID: **GLB-7-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17715		Analyst: NG
1,2-Dichloropropane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Dibromomethane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Toluene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,2-Dibromoethane (EDB)	ND	0.250		µg/L	1	7/25/2017 4:14:00 AM
Chlorobenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Ethylbenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
m,p-Xylene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
o-Xylene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Styrene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Bromoform	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Bromobenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/25/2017 4:14:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	7/25/2017 4:14:00 AM
Naphthalene	ND	1.00		µg/L	1	7/25/2017 4:14:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/25/2017 4:14:00 AM

Analytical Report

Work Order: **1707217**
Date Reported: **8/7/2017**

Client: G-Logics
Collection Date: 7/21/2017 7:50:00 PM
Project: Auburn Subaru
Lab ID: 1707217-026
Matrix: Water
Client Sample ID: **GLB-7-W**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 17715		Analyst: NG
Surr: Dibromofluoromethane	95.3	45.4 - 152		%Rec	1	7/25/2017 4:14:00 AM
Surr: Toluene-d8	99.0	40.1 - 139		%Rec	1	7/25/2017 4:14:00 AM
Surr: 1-Bromo-4-fluorobenzene	93.2	64.2 - 128		%Rec	1	7/25/2017 4:14:00 AM
NOTES: Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).						
Mercury by EPA Method 245.1				Batch ID: 17705		Analyst: WF
Mercury	ND	0.100		µg/L	1	7/24/2017 6:30:47 PM
Dissolved Metals by EPA Method 200.8				Batch ID: 17727		Analyst: TN
Arsenic	6.94	1.00		µg/L	1	7/26/2017 10:07:47 AM
Total Metals by EPA Method 200.8				Batch ID: 17698		Analyst: TN
Arsenic	19.0	1.00		µg/L	1	7/24/2017 2:05:52 PM
Cadmium	ND	0.200		µg/L	1	7/24/2017 2:05:52 PM
Chromium	1.87	0.500		µg/L	1	7/24/2017 2:05:52 PM
Lead	1.89	0.500		µg/L	1	7/24/2017 2:05:52 PM

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID **MB-17701**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **7/24/2017**	RunNo: **37557**
Client ID: **MBLKS**	Batch ID: **17701**		Analysis Date: **7/24/2017**	SeqNo: **721709**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	17.7		20.00		88.3	50	150				
Surr: o-Terphenyl	18.9		20.00		94.5	50	150				

Sample ID **LCS-17701**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **7/24/2017**	RunNo: **37557**
Client ID: **LCSS**	Batch ID: **17701**		Analysis Date: **7/24/2017**	SeqNo: **721708**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	481	20.0	500.0	0	96.1	65	135				
Surr: 2-Fluorobiphenyl	20.7		20.00		104	50	150				
Surr: o-Terphenyl	23.4		20.00		117	50	150				

Sample ID **1707218-002ADUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **7/24/2017**	RunNo: **37557**
Client ID: **BATCH**	Batch ID: **17701**		Analysis Date: **7/24/2017**	SeqNo: **722133**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	18.1						0		30	
Heavy Oil	ND	45.4						0		30	
Surr: 2-Fluorobiphenyl	17.5		18.14		96.2	50	150		0		
Surr: o-Terphenyl	18.3		18.14		101	50	150		0		

Sample ID **1707217-001ADUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **7/24/2017**	RunNo: **37557**
Client ID: **GLB-1-5**	Batch ID: **17701**		Analysis Date: **7/24/2017**	SeqNo: **722119**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	26.0						0		30	
Heavy Oil	4,820	64.9						5,965	21.2	30	E
Surr: 2-Fluorobiphenyl	21.8		25.98		84.0	50	150		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID **1707217-001ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37557**
Client ID: **GLB-1-5** Batch ID: **17701** Analysis Date: **7/24/2017** SeqNo: **722119**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: o-Terphenyl	24.2		25.98		93.2	50	150		0		

NOTES:
E - Estimated value. The amount exceeds the linear working range of the instrument.

Sample ID **1707217-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37557**
Client ID: **GLB-1-5** Batch ID: **17701** Analysis Date: **7/24/2017** SeqNo: **722120**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	564	26.5	662.5	19.29	82.3	65	135				
Surr: 2-Fluorobiphenyl	26.4		26.50		99.7	50	150				
Surr: o-Terphenyl	31.8		26.50		120	50	150				

Sample ID **1707217-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37557**
Client ID: **GLB-1-5** Batch ID: **17701** Analysis Date: **7/24/2017** SeqNo: **722121**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	579	25.5	638.0	19.29	87.7	65	135	564.2	2.58	30	
Surr: 2-Fluorobiphenyl	31.2		25.52		122	50	150		0		
Surr: o-Terphenyl	36.2		25.52		142	50	150		0		

Sample ID **OIL-CCV-F-17701** SampType: **CCV** Units: **mg/Kg** Prep Date: **8/2/2017** RunNo: **37557**
Client ID: **CCV** Batch ID: **17701** Analysis Date: **8/2/2017** SeqNo: **726396**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	1,050	50.0	1,000	0	105	85	115				
Surr: 2-Fluorobiphenyl	20.8		20.00		104	50	150				
Surr: o-Terphenyl	22.2		20.00		111	50	150				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID **DX-CCV-F-17701** SampType: **CCV** Units: **mg/Kg** Prep Date: **8/2/2017** RunNo: **37557**
Client ID: **CCV** Batch ID: **17701** Analysis Date: **8/2/2017** SeqNo: **726391**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	492	20.0	500.0	0	98.3	85	115				
Surr: 2-Fluorobiphenyl	18.9		20.00		94.6	50	150				
Surr: o-Terphenyl	21.2		20.00		106	50	150				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID **MB-17703**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **7/24/2017**	RunNo: **37583**
Client ID: **MBLKW**	Batch ID: **17703**		Analysis Date: **7/25/2017**	SeqNo: **722255**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Surr: 2-Fluorobiphenyl	60.1		80.00		75.1	50	150				
Surr: o-Terphenyl	71.7		80.00		89.6	50	150				

Sample ID **LCS-17703**	SampType: **LCS**	Units: **µg/L**	Prep Date: **7/24/2017**	RunNo: **37583**
Client ID: **LCSW**	Batch ID: **17703**		Analysis Date: **7/25/2017**	SeqNo: **722253**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	711	49.7	993.3	0	71.6	65	135				
Surr: 2-Fluorobiphenyl	62.9		79.47		79.2	50	150				
Surr: o-Terphenyl	75.8		79.47		95.3	50	150				

Sample ID **LCSD-17703**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **7/24/2017**	RunNo: **37583**
Client ID: **LCSW02**	Batch ID: **17703**		Analysis Date: **7/25/2017**	SeqNo: **722254**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	780	49.8	996.2	0	78.3	65	135	711.1	9.24	30	
Surr: 2-Fluorobiphenyl	67.3		79.70		84.5	50	150		0		
Surr: o-Terphenyl	78.8		79.70		98.9	50	150		0		

Sample ID **1707217-023BDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **7/24/2017**	RunNo: **37583**
Client ID: **GLB-1-W**	Batch ID: **17703**		Analysis Date: **7/25/2017**	SeqNo: **722247**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	49.8						0		30	
Heavy Oil	1,720	99.6						1,672	2.86	30	
Surr: 2-Fluorobiphenyl	74.8		79.67		93.9	50	150		0		
Surr: o-Terphenyl	84.4		79.67		106	50	150		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID	**1707217-023BDUP**	SampType:	**DUP**	Units:	**µg/L**	Prep Date:	**7/24/2017**	RunNo:	**37583**
Client ID:	**GLB-1-W**	Batch ID:	**17703**			Analysis Date:	**7/25/2017**	SeqNo:	**722247**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID	**OIL-CCV-F-17703**	SampType:	**CCV**	Units:	**µg/L**	Prep Date:	**8/2/2017**	RunNo:	**37583**
Client ID:	**CCV**	Batch ID:	**17703**			Analysis Date:	**8/2/2017**	SeqNo:	**726385**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	1,030	100	1,000	0	103	85	115				
Surr: 2-Fluorobiphenyl	21.0		20.00		105	50	150				
Surr: o-Terphenyl	21.8		20.00		109	50	150				

Sample ID	**DX-CCV-F-17703**	SampType:	**CCV**	Units:	**µg/L**	Prep Date:	**8/2/2017**	RunNo:	**37583**
Client ID:	**CCV**	Batch ID:	**17703**			Analysis Date:	**8/2/2017**	SeqNo:	**726380**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	501	50.0	500.0	0	100	85	115				
Surr: 2-Fluorobiphenyl	19.7		20.00		98.4	50	150				
Surr: o-Terphenyl	21.3		20.00		106	50	150				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID **MB-17720**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **7/25/2017**	RunNo: **37594**
Client ID: **MBLKS**	Batch ID: **17720**		Analysis Date: **7/25/2017**	SeqNo: **722423**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	20.0									
Heavy Oil	ND	50.0									
Surr: 2-Fluorobiphenyl	21.4		20.00		107	50	150				
Surr: o-Terphenyl	21.3		20.00		106	50	150				

Sample ID **LCS-17720**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **7/25/2017**	RunNo: **37594**
Client ID: **LCSS**	Batch ID: **17720**		Analysis Date: **7/25/2017**	SeqNo: **722424**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	548	20.0	500.0	0	110	65	135				
Surr: 2-Fluorobiphenyl	22.0		20.00		110	50	150				
Surr: o-Terphenyl	23.8		20.00		119	50	150				

Sample ID **1707219-001ADUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **7/25/2017**	RunNo: **37594**
Client ID: **BATCH**	Batch ID: **17720**		Analysis Date: **7/25/2017**	SeqNo: **723375**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	26.8						0		30	
Heavy Oil	ND	67.0						0		30	
Surr: 2-Fluorobiphenyl	29.5		26.80		110	50	150		0		
Surr: o-Terphenyl	29.0		26.80		108	50	150		0		

Sample ID **1707219-001AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **7/25/2017**	RunNo: **37594**
Client ID: **BATCH**	Batch ID: **17720**		Analysis Date: **7/25/2017**	SeqNo: **723315**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	746	25.9	646.9	0	115	65	135				
Surr: 2-Fluorobiphenyl	32.5		25.88		125	50	150				
Surr: o-Terphenyl	34.2		25.88		132	50	150				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID **1707219-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/25/2017** RunNo: **37594**
Client ID: **BATCH** Batch ID: **17720** Analysis Date: **7/25/2017** SeqNo: **723315**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **1707219-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/25/2017** RunNo: **37594**
Client ID: **BATCH** Batch ID: **17720** Analysis Date: **7/25/2017** SeqNo: **723316**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	779	28.8	720.5	0	108	65	135	745.5	4.45	30	
Surr: 2-Fluorobiphenyl	30.8		28.82		107	50	150		0		
Surr: o-Terphenyl	33.5		28.82		116	50	150		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Dissolved Metals by EPA Method 200.8

Sample ID	**MB-17722FB**	SampType:	**MBLK**			Units:	**µg/L**		Prep Date:	**7/26/2017**		RunNo:	**37611**	
Client ID:	**MBLKW**	Batch ID:	**17727**						Analysis Date:	**7/26/2017**		SeqNo:	**722769**	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Arsenic		ND	1.00											

NOTES:
Filter Blank

Sample ID	**MB-17727**	SampType:	**MBLK**			Units:	**µg/L**		Prep Date:	**7/26/2017**		RunNo:	**37611**	
Client ID:	**MBLKW**	Batch ID:	**17727**						Analysis Date:	**7/26/2017**		SeqNo:	**722770**	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Arsenic		ND	1.00											

Sample ID	**LCS-17727**	SampType:	**LCS**			Units:	**µg/L**		Prep Date:	**7/26/2017**		RunNo:	**37611**	
Client ID:	**LCSW**	Batch ID:	**17727**						Analysis Date:	**7/26/2017**		SeqNo:	**722771**	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Arsenic		102	1.00	100.0	0	102	85	115						

Sample ID	**1707217-024FDUP**	SampType:	**DUP**			Units:	**µg/L**		Prep Date:	**7/26/2017**		RunNo:	**37611**	
Client ID:	**GLB-5-W**	Batch ID:	**17727**						Analysis Date:	**7/26/2017**		SeqNo:	**722773**	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Arsenic		4.41	1.00						5.192	16.3	30			

Sample ID	**1707217-024FMS**	SampType:	**MS**			Units:	**µg/L**		Prep Date:	**7/26/2017**		RunNo:	**37611**	
Client ID:	**GLB-5-W**	Batch ID:	**17727**						Analysis Date:	**7/26/2017**		SeqNo:	**722774**	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Arsenic		563	1.00	500.0	5.192	111	70	130						

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Dissolved Metals by EPA Method 200.8

Sample ID **1707217-024FMSD** SampType: **MSD** Units: **µg/L** Prep Date: **7/26/2017** RunNo: **37611**
Client ID: **GLB-5-W** Batch ID: **17727** Analysis Date: **7/26/2017** SeqNo: **722775**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	561	1.00	500.0	5.192	111	70	130	562.6	0.335	30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID	**LCS-17715**	SampType: **LCS**		Units: **µg/L**		Prep Date: **7/24/2017**		RunNo: **37585**			
Client ID:	**LCSW**	Batch ID: **17715**				Analysis Date: **7/24/2017**		SeqNo: **722319**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	503	50.0	500.0	0	101	65	135				
Surr: Toluene-d8	25.5		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	24.8		25.00		99.1	65	135				

Sample ID	**LCSD-17715**	SampType: **LCSD**		Units: **µg/L**		Prep Date: **7/24/2017**		RunNo: **37585**			
Client ID:	**LCSW02**	Batch ID: **17715**				Analysis Date: **7/25/2017**		SeqNo: **722318**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	507	50.0	500.0	0	101	65	135	502.5	0.879	20	
Surr: Toluene-d8	25.1		25.00		100	65	135		0		
Surr: 4-Bromofluorobenzene	24.6		25.00		98.4	65	135		0		

Sample ID	**MB-17715**	SampType: **MBLK**		Units: **µg/L**		Prep Date: **7/24/2017**		RunNo: **37585**			
Client ID:	**MBLKW**	Batch ID: **17715**				Analysis Date: **7/25/2017**		SeqNo: **722320**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0									
Surr: Toluene-d8	25.5		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	23.1		25.00		92.5	65	135				

Sample ID	**1707217-025ADUP**	SampType: **DUP**		Units: **µg/L**		Prep Date: **7/24/2017**		RunNo: **37585**			
Client ID:	**GLB-6-W**	Batch ID: **17715**				Analysis Date: **7/25/2017**		SeqNo: **722305**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0						0		30	
Surr: Toluene-d8	25.9		25.00		103	65	135		0		
Surr: 4-Bromofluorobenzene	23.6		25.00		94.2	65	135		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID **1707219-023BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37585**
Client ID: **BATCH** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722315**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0						0		30	
Surr: Toluene-d8	24.7		25.00		98.6	65	135		0		
Surr: 4-Bromofluorobenzene	24.0		25.00		95.8	65	135		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID	LCS-17709	SampType:	LCS	Units:	mg/Kg	Prep Date:	7/24/2017	RunNo:	37582
Client ID:	LCSS	Batch ID:	17709			Analysis Date:	7/24/2017	SeqNo:	722212

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	21.6	5.00	25.00	0	86.3	65	135				
Surr: Toluene-d8	1.19		1.250		95.2	65	135				
Surr: 4-Bromofluorobenzene	1.30		1.250		104	65	135				

Sample ID	MB-17709	SampType:	MBLK	Units:	mg/Kg	Prep Date:	7/24/2017	RunNo:	37582
Client ID:	MBLKS	Batch ID:	17709			Analysis Date:	7/24/2017	SeqNo:	722213

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.19		1.250		95.3	65	135				
Surr: 4-Bromofluorobenzene	1.27		1.250		101	65	135				

Sample ID	1707217-013BDUP	SampType:	DUP	Units:	mg/Kg-dry	Prep Date:	7/24/2017	RunNo:	37582
Client ID:	GLB-5-8	Batch ID:	17709			Analysis Date:	7/25/2017	SeqNo:	722202

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.91						0		30	
Surr: Toluene-d8	1.44		1.479		97.5	65	135		0		
Surr: 4-Bromofluorobenzene	1.45		1.479		98.3	65	135		0		

Sample ID	1707219-016BMS	SampType:	MS	Units:	mg/Kg-dry	Prep Date:	7/24/2017	RunNo:	37582
Client ID:	BATCH	Batch ID:	17709			Analysis Date:	7/25/2017	SeqNo:	722207

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	35.9	9.16	45.82	0	78.4	65	135				
Surr: Toluene-d8	2.23		2.291		97.3	65	135				
Surr: 4-Bromofluorobenzene	2.32		2.291		101	65	135				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID **1707219-016BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37582**
Client ID: **BATCH** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722208**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	36.4	9.16	45.82	0	79.5	65	135	35.91	1.42	30	
Surr: Toluene-d8	2.32		2.291		101	65	135		0		
Surr: 4-Bromofluorobenzene	2.25		2.291		98.4	65	135		0		

Sample ID **1707219-003BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37582**
Client ID: **BATCH** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722654**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	9.08						0		30	
Surr: Toluene-d8	2.19		2.270		96.5	65	135		0		
Surr: 4-Bromofluorobenzene	2.27		2.270		100	65	135		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Hexavalent Chromium by EPA Method 7196

Sample ID **MB-17725** SampType: **MBLK** Units: **mg/Kg** Prep Date: **7/25/2017** RunNo: **37602**
Client ID: **MBLKS** Batch ID: **17725** Analysis Date: **7/25/2017** SeqNo: **722539**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.500									

Sample ID **LCS-17725** SampType: **LCS** Units: **mg/Kg** Prep Date: **7/25/2017** RunNo: **37602**
Client ID: **LCSS** Batch ID: **17725** Analysis Date: **7/25/2017** SeqNo: **722540**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	2.35	0.500	2.500	0	94.1	65	135				

Sample ID **1707217-001ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/25/2017** RunNo: **37602**
Client ID: **GLB-1-5** Batch ID: **17725** Analysis Date: **7/25/2017** SeqNo: **722542**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.683						0		30	

Sample ID **1707217-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/25/2017** RunNo: **37602**
Client ID: **GLB-1-5** Batch ID: **17725** Analysis Date: **7/25/2017** SeqNo: **722543**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.689	3.445	0.09548	3.75	65	135				S

NOTES:
S - Outlying spike recovery observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID **1707217-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/25/2017** RunNo: **37602**
Client ID: **GLB-1-5** Batch ID: **17725** Analysis Date: **7/25/2017** SeqNo: **722544**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.679	3.394	0.09548	-2.81	65	135	0		30	S

NOTES:
S - Outlying spike recovery observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID	**MB-17705**	SampType:	**MBLK**			Units:	**µg/L**		Prep Date:	**7/24/2017**		RunNo:	**37549**	
Client ID:	**MBLKW**	Batch ID:	**17705**						Analysis Date:	**7/24/2017**		SeqNo:	**722062**	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Mercury		ND	0.100											

Sample ID	**LCS-17705**	SampType:	**LCS**			Units:	**µg/L**		Prep Date:	**7/24/2017**		RunNo:	**37549**	
Client ID:	**LCSW**	Batch ID:	**17705**						Analysis Date:	**7/24/2017**		SeqNo:	**722063**	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Mercury		2.43	0.100	2.500	0	97.2	85	115						

Sample ID	**1707217-023CDUP**	SampType:	**DUP**			Units:	**µg/L**		Prep Date:	**7/24/2017**		RunNo:	**37549**	
Client ID:	**GLB-1-W**	Batch ID:	**17705**						Analysis Date:	**7/24/2017**		SeqNo:	**722065**	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Mercury		ND	0.100						0		20			

Sample ID	**1707217-023CMS**	SampType:	**MS**			Units:	**µg/L**		Prep Date:	**7/24/2017**		RunNo:	**37549**	
Client ID:	**GLB-1-W**	Batch ID:	**17705**						Analysis Date:	**7/24/2017**		SeqNo:	**722066**	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Mercury		2.38	0.100	2.500	0.02100	94.4	70	130						

Sample ID	**1707217-023CMSD**	SampType:	**MSD**			Units:	**µg/L**		Prep Date:	**7/24/2017**		RunNo:	**37549**	
Client ID:	**GLB-1-W**	Batch ID:	**17705**						Analysis Date:	**7/24/2017**		SeqNo:	**722067**	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Mercury		2.89	0.100	2.500	0.02100	115	70	130	2.380	19.4	20			

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Mercury by EPA Method 7471

Sample ID	MB-17706	SampType:	MBLK			Units:	mg/Kg	Prep Date:	7/24/2017	RunNo:	37548
Client ID:	MBLKS	Batch ID:	17706					Analysis Date:	7/24/2017	SeqNo:	721903

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.236									

Sample ID	LCS-17706	SampType:	LCS			Units:	mg/Kg	Prep Date:	7/24/2017	RunNo:	37548
Client ID:	LCSS	Batch ID:	17706					Analysis Date:	7/24/2017	SeqNo:	721904

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.539	0.250	0.5000	0	108	80	120				

Sample ID	1707213-001ADUP	SampType:	DUP			Units:	mg/Kg-dry	Prep Date:	7/24/2017	RunNo:	37548
Client ID:	BATCH	Batch ID:	17706					Analysis Date:	7/24/2017	SeqNo:	721906

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.272						0		20	

Sample ID	1707213-001AMS	SampType:	MS			Units:	mg/Kg-dry	Prep Date:	7/24/2017	RunNo:	37548
Client ID:	BATCH	Batch ID:	17706					Analysis Date:	7/24/2017	SeqNo:	721907

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.617	0.283	0.5665	0.07942	95.0	70	130				

Sample ID	1707213-001AMSD	SampType:	MSD			Units:	mg/Kg-dry	Prep Date:	7/24/2017	RunNo:	37548
Client ID:	BATCH	Batch ID:	17706					Analysis Date:	7/24/2017	SeqNo:	721946

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.608	0.267	0.5344	0.07942	98.9	70	130	0.6175	1.52	20	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID **MB-17704**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **7/24/2017**	RunNo: **37574**
Client ID: **MBLKW**	Batch ID: **17704**		Analysis Date: **7/24/2017**	SeqNo: **722082**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.0993									
2-Methylnaphthalene	ND	0.0993									
1-Methylnaphthalene	ND	0.0993									
Acenaphthylene	ND	0.0993									
Acenaphthene	ND	0.0993									
Fluorene	ND	0.0993									
Phenanthrene	ND	0.0993									
Anthracene	ND	0.0993									
Fluoranthene	ND	0.0993									
Pyrene	ND	0.0993									
Benz(a)anthracene	ND	0.0993									
Chrysene	ND	0.0993									
Benzo(b)fluoranthene	ND	0.0993									
Benzo(j,k)fluoranthene	ND	0.0993									
Benzo(a)pyrene	ND	0.0993									
Indeno(1,2,3-cd)pyrene	ND	0.0993									
Dibenz(a,h)anthracene	ND	0.0993									
Benzo(g,h,i)perylene	ND	0.0993									
Surr: 2-Fluorobiphenyl	1.60		1.986		80.5	31.2	159				
Surr: Terphenyl-d14	2.00		1.986		101	21.9	122				

Sample ID **LCS-17704**	SampType: **LCS**	Units: **µg/L**	Prep Date: **7/24/2017**	RunNo: **37574**
Client ID: **LCSW**	Batch ID: **17704**		Analysis Date: **7/24/2017**	SeqNo: **722083**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	2.71	0.0993	3.970	0	68.3	30.4	113				
2-Methylnaphthalene	3.27	0.0993	3.970	0	82.3	33.2	126				
1-Methylnaphthalene	2.80	0.0993	3.970	0	70.4	30.2	119				
Acenaphthylene	3.43	0.0993	3.970	0	86.5	34	133				
Acenaphthene	3.26	0.0993	3.970	0	82.1	31.8	127				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID **LCS-17704** SampType: **LCS** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37574**
Client ID: **LCSW** Batch ID: **17704** Analysis Date: **7/24/2017** SeqNo: **722083**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	3.55	0.0993	3.970	0	89.3	27.7	138				
Phenanthrene	3.26	0.0993	3.970	0	82.1	26.3	139				
Anthracene	3.71	0.0993	3.970	0	93.5	27	125				
Fluoranthene	3.49	0.0993	3.970	0	87.8	23.5	142				
Pyrene	3.48	0.0993	3.970	0	87.7	25.1	136				
Benz(a)anthracene	3.58	0.0993	3.970	0	90.1	42.8	125				
Chrysene	3.18	0.0993	3.970	0	80.2	32.3	120				
Benzo(b)fluoranthene	3.49	0.0993	3.970	0	88.0	25.9	132				
Benzo(j,k)fluoranthene	3.22	0.0993	3.970	0	81.0	25.1	118				
Benzo(a)pyrene	3.27	0.0993	3.970	0	82.4	18.7	120				
Indeno(1,2,3-cd)pyrene	3.07	0.0993	3.970	0	77.4	21.3	131				
Dibenz(a,h)anthracene	3.08	0.0993	3.970	0	77.6	21.3	137				
Benzo(g,h,i)perylene	3.10	0.0993	3.970	0	78.0	21.2	127				
Surr: 2-Fluorobiphenyl	1.82		1.985		91.8	31.2	159				
Surr: Terphenyl-d14	2.14		1.985		108	21.9	122				

Sample ID **LCSD-17704** SampType: **LCSD** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37574**
Client ID: **LCSW02** Batch ID: **17704** Analysis Date: **7/24/2017** SeqNo: **722084**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	2.55	0.0993	3.973	0	64.3	30.4	113	2.712	5.96	30	
2-Methylnaphthalene	3.06	0.0993	3.973	0	77.1	33.2	126	3.269	6.53	30	
1-Methylnaphthalene	2.57	0.0993	3.973	0	64.6	30.2	119	2.796	8.53	30	
Acenaphthylene	3.12	0.0993	3.973	0	78.6	34	133	3.434	9.53	30	
Acenaphthene	2.97	0.0993	3.973	0	74.6	31.8	127	3.260	9.46	30	
Fluorene	3.24	0.0993	3.973	0	81.4	27.7	138	3.547	9.18	30	
Phenanthrene	3.00	0.0993	3.973	0	75.6	26.3	139	3.261	8.28	30	
Anthracene	3.37	0.0993	3.973	0	84.8	27	125	3.713	9.68	30	
Fluoranthene	3.22	0.0993	3.973	0	81.0	23.5	142	3.486	8.01	30	
Pyrene	3.17	0.0993	3.973	0	79.8	25.1	136	3.482	9.33	30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID **LCSD-17704** SampType: **LCSD** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37574**
Client ID: **LCSW02** Batch ID: **17704** Analysis Date: **7/24/2017** SeqNo: **722084**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3.33	0.0993	3.973	0	83.8	42.8	125	3.575	7.09	30	
Chrysene	3.02	0.0993	3.973	0	76.0	32.3	120	3.182	5.23	30	
Benzo(b)fluoranthene	3.28	0.0993	3.973	0	82.6	25.9	132	3.495	6.30	30	
Benzo(j,k)fluoranthene	3.06	0.0993	3.973	0	77.1	25.1	118	3.217	4.88	30	
Benzo(a)pyrene	2.93	0.0993	3.973	0	73.8	18.7	120	3.273	11.0	30	
Indeno(1,2,3-cd)pyrene	3.19	0.0993	3.973	0	80.4	21.3	131	3.073	3.90	30	
Dibenz(a,h)anthracene	3.27	0.0993	3.973	0	82.3	21.3	137	3.082	5.93	30	
Benzo(g,h,i)perylene	3.16	0.0993	3.973	0	79.5	21.2	127	3.097	2.00	30	
Surr: 2-Fluorobiphenyl	1.95		1.986		98.2	31.2	159		0	0	
Surr: Terphenyl-d14	2.34		1.986		118	21.9	122		0	0	

Sample ID **1707217-023EDUP** SampType: **DUP** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37574**
Client ID: **GLB-1-W** Batch ID: **17704** Analysis Date: **7/24/2017** SeqNo: **722370**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.0997						0		30	
2-Methylnaphthalene	ND	0.0997						0		30	
1-Methylnaphthalene	ND	0.0997						0		30	
Acenaphthylene	ND	0.0997						0		30	
Acenaphthene	ND	0.0997						0		30	
Fluorene	ND	0.0997						0		30	
Phenanthrene	ND	0.0997						0		30	
Anthracene	ND	0.0997						0		30	
Fluoranthene	ND	0.0997						0		30	
Pyrene	ND	0.0997						0		30	
Benz(a)anthracene	ND	0.0997						0		30	
Chrysene	ND	0.0997						0		30	
Benzo(b)fluoranthene	ND	0.0997						0		30	
Benzo(j,k)fluoranthene	ND	0.0997						0		30	
Benzo(a)pyrene	ND	0.0997						0		30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID **1707217-023EDUP** SampType: **DUP** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37574**
Client ID: **GLB-1-W** Batch ID: **17704** Analysis Date: **7/24/2017** SeqNo: **722370**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	ND	0.0997						0		30	
Dibenz(a,h)anthracene	ND	0.0997						0		30	
Benzo(g,h,i)perylene	ND	0.0997						0		30	
Surr: 2-Fluorobiphenyl	1.65		1.994		83.0	31.2	159		0		
Surr: Terphenyl-d14	1.89		1.994		94.6	21.9	122		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID **MB-17700** SampType: **MBLK** Units: **µg/Kg** Prep Date: **7/24/2017** RunNo: **37569**
Client ID: **MBLKS** Batch ID: **17700** Analysis Date: **7/24/2017** SeqNo: **721891**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	40.0									
2-Methylnaphthalene	ND	40.0									
1-Methylnaphthalene	ND	40.0									
Acenaphthylene	ND	40.0									
Acenaphthene	ND	40.0									
Fluorene	ND	40.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Fluoranthene	ND	40.0									
Pyrene	ND	40.0									
Benz(a)anthracene	ND	40.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	40.0									
Benzo(j,k)fluoranthene	ND	40.0									
Benzo(a)pyrene	ND	40.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Benzo(g,h,i)perylene	ND	40.0									
Surr: 2-Fluorobiphenyl	394		500.0		78.9	24.5	139				
Surr: Terphenyl-d14 (surr)	465		500.0		93.0	46.2	179				

Sample ID **LCS-17700** SampType: **LCS** Units: **µg/Kg** Prep Date: **7/24/2017** RunNo: **37569**
Client ID: **LCSS** Batch ID: **17700** Analysis Date: **7/24/2017** SeqNo: **721893**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	727	40.0	1,000	0	72.7	46.4	125				
2-Methylnaphthalene	721	40.0	1,000	0	72.1	45.1	135				
1-Methylnaphthalene	711	40.0	1,000	0	71.1	46.2	133				
Acenaphthylene	815	40.0	1,000	0	81.5	32.8	136				
Acenaphthene	726	40.0	1,000	0	72.6	38.7	129				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID **LCS-17700** SampType: **LCS** Units: **µg/Kg** Prep Date: **7/24/2017** RunNo: **37569**
Client ID: **LCSS** Batch ID: **17700** Analysis Date: **7/24/2017** SeqNo: **721893**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	750	40.0	1,000	0	75.0	41.4	144				
Phenanthrene	707	40.0	1,000	0	70.7	43.9	133				
Anthracene	783	40.0	1,000	0	78.3	44.2	136				
Fluoranthene	765	40.0	1,000	0	76.5	45.9	137				
Pyrene	739	40.0	1,000	0	73.9	46.2	137				
Benz(a)anthracene	759	40.0	1,000	0	75.9	41.2	141				
Chrysene	737	40.0	1,000	0	73.7	46.9	138				
Benzo(b)fluoranthene	729	40.0	1,000	0	72.9	41	155				
Benzo(j,k)fluoranthene	851	40.0	1,000	0	85.1	41.8	153				
Benzo(a)pyrene	774	40.0	1,000	0	77.4	30.2	171				
Indeno(1,2,3-cd)pyrene	721	40.0	1,000	0	72.1	31.3	159				
Dibenz(a,h)anthracene	699	40.0	1,000	0	69.9	28	158				
Benzo(g,h,i)perylene	722	40.0	1,000	0	72.2	32.4	144				
Surr: 2-Fluorobiphenyl	398		500.0		79.7	24.5	139				
Surr: Terphenyl-d14 (surr)	464		500.0		92.8	46.2	179				

Sample ID **1707213-001ADUP** SampType: **DUP** Units: **µg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37569**
Client ID: **BATCH** Batch ID: **17700** Analysis Date: **7/24/2017** SeqNo: **721897**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	40.4						0		30	
2-Methylnaphthalene	ND	40.4						0		30	
1-Methylnaphthalene	ND	40.4						0		30	
Acenaphthylene	ND	40.4						0		30	
Acenaphthene	ND	40.4						0		30	
Fluorene	ND	40.4						0		30	
Phenanthrene	ND	40.4						0		30	
Anthracene	ND	40.4						0		30	
Fluoranthene	ND	40.4						0		30	
Pyrene	ND	40.4						0		30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID **1707213-001ADUP** SampType: **DUP** Units: **µg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37569**
Client ID: **BATCH** Batch ID: **17700** Analysis Date: **7/24/2017** SeqNo: **721897**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	40.4						0		30	
Chrysene	ND	40.4						0		30	
Benzo(b)fluoranthene	44.4	40.4						30.80	36.2	30	
Benzo(j,k)fluoranthene	41.2	40.4						34.08	19.0	30	
Benzo(a)pyrene	41.5	40.4						31.66	26.8	30	
Indeno(1,2,3-cd)pyrene	ND	40.4						0		30	
Dibenz(a,h)anthracene	ND	40.4						0		30	
Benzo(g,h,i)perylene	ND	40.4						0		30	
Surr: 2-Fluorobiphenyl	313		505.3		62.0	24.5	139		0		
Surr: Terphenyl-d14 (surr)	377		505.3		74.5	46.2	179		0		

Sample ID **1707213-001AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37569**
Client ID: **BATCH** Batch ID: **17700** Analysis Date: **7/24/2017** SeqNo: **722077**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	709	41.9	1,048	0	67.6	42.9	138				
2-Methylnaphthalene	718	41.9	1,048	0	68.5	42.8	151				
1-Methylnaphthalene	702	41.9	1,048	0	67.0	41.6	148				
Acenaphthylene	819	41.9	1,048	0	78.2	32.6	160				
Acenaphthene	714	41.9	1,048	0	68.1	46.3	142				
Fluorene	732	41.9	1,048	0.7670	69.8	43.4	153				
Phenanthrene	705	41.9	1,048	10.48	66.3	45.5	140				
Anthracene	793	41.9	1,048	1.246	75.5	32.6	160				
Fluoranthene	816	41.9	1,048	28.91	75.1	44.6	161				
Pyrene	777	41.9	1,048	26.66	71.6	48.3	158				
Benz(a)anthracene	812	41.9	1,048	17.22	75.8	34.9	139				
Chrysene	735	41.9	1,048	31.01	67.2	45.2	146				
Benzo(b)fluoranthene	886	41.9	1,048	30.80	81.6	42.2	168				
Benzo(j,k)fluoranthene	822	41.9	1,048	34.08	75.2	34.8	147				
Benzo(a)pyrene	930	41.9	1,048	31.66	85.7	34.4	179				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID **1707213-001AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37569**
Client ID: **BATCH** Batch ID: **17700** Analysis Date: **7/24/2017** SeqNo: **722077**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	774	41.9	1,048	21.05	71.8	5	113				
Dibenz(a,h)anthracene	756	41.9	1,048	11.64	71.0	17.3	156				
Benzo(g,h,i)perylene	757	41.9	1,048	23.57	69.9	24.9	119				
Surr: 2-Fluorobiphenyl	394		524.0		75.1	24.5	139				
Surr: Terphenyl-d14 (surr)	473		524.0		90.2	46.2	179				

Sample ID **1707213-001AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37569**
Client ID: **BATCH** Batch ID: **17700** Analysis Date: **7/24/2017** SeqNo: **722078**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	724	43.9	1,098	0	66.0	42.9	138	708.8	2.17	30	
2-Methylnaphthalene	736	43.9	1,098	0	67.0	42.8	151	717.6	2.50	30	
1-Methylnaphthalene	718	43.9	1,098	0	65.4	41.6	148	702.0	2.30	30	
Acenaphthylene	837	43.9	1,098	0	76.2	32.6	160	819.3	2.13	30	
Acenaphthene	730	43.9	1,098	0	66.5	46.3	142	713.7	2.27	30	
Fluorene	757	43.9	1,098	0.7670	68.9	43.4	153	732.3	3.29	30	
Phenanthrene	725	43.9	1,098	10.48	65.1	45.5	140	705.1	2.73	30	
Anthracene	817	43.9	1,098	1.246	74.3	32.6	160	792.7	2.96	30	
Fluoranthene	854	43.9	1,098	28.91	75.2	44.6	161	816.4	4.53	30	
Pyrene	808	43.9	1,098	26.66	71.2	48.3	158	776.7	4.02	30	
Benz(a)anthracene	839	43.9	1,098	17.22	74.8	34.9	139	811.6	3.31	30	
Chrysene	768	43.9	1,098	31.01	67.1	45.2	146	735.2	4.39	30	
Benzo(b)fluoranthene	895	43.9	1,098	30.80	78.7	42.2	168	886.4	0.925	30	
Benzo(j,k)fluoranthene	904	43.9	1,098	34.08	79.3	34.8	147	822.4	9.47	30	
Benzo(a)pyrene	976	43.9	1,098	31.66	86.0	34.4	179	929.8	4.86	30	
Indeno(1,2,3-cd)pyrene	791	43.9	1,098	21.05	70.2	5	113	773.7	2.25	30	
Dibenz(a,h)anthracene	778	43.9	1,098	11.64	69.8	17.3	156	756.3	2.84	30	
Benzo(g,h,i)perylene	769	43.9	1,098	23.57	67.9	24.9	119	756.6	1.68	30	
Surr: 2-Fluorobiphenyl	400		548.9		72.9	24.5	139		0		
Surr: Terphenyl-d14 (surr)	476		548.9		86.8	46.2	179		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID **1707213-001AMSD**	SampType: **MSD**			Units: **µg/Kg-dry**		Prep Date: **7/24/2017**			RunNo: **37569**		
Client ID: **BATCH**	Batch ID: **17700**					Analysis Date: **7/24/2017**			SeqNo: **722078**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID **MB-17702** SampType: **MBLK** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37587**
Client ID: **MBLKW** Batch ID: **17702** Analysis Date: **7/25/2017** SeqNo: **722323**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0999									
Aroclor 1221	ND	0.0999									
Aroclor 1232	ND	0.0999									
Aroclor 1242	ND	0.0999									
Aroclor 1248	ND	0.0999									
Aroclor 1254	ND	0.0999									
Aroclor 1260	ND	0.0999									
Aroclor 1262	ND	0.0999									
Aroclor 1268	ND	0.0999									
Total PCBs	ND	0.0999									
Surr: Decachlorobiphenyl	342		399.6		85.7	23.1	172				
Surr: Tetrachloro-m-xylene	142		399.6		35.4	10	125				

Sample ID **LCS1-17702** SampType: **LCS** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37587**
Client ID: **LCSW** Batch ID: **17702** Analysis Date: **7/25/2017** SeqNo: **722324**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.51	0.0995	1.991	0	76.0	32.4	133				
Aroclor 1260	1.82	0.0995	1.991	0	91.6	33.5	147				
Surr: Decachlorobiphenyl	350		398.1		88.0	23.1	172				
Surr: Tetrachloro-m-xylene	174		398.1		43.8	10	125				

Sample ID **LCS1D-17702** SampType: **LCSD** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37587**
Client ID: **LCSW02** Batch ID: **17702** Analysis Date: **7/25/2017** SeqNo: **722325**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.52	0.0998	1.996	0	76.2	32.4	133	1.513	0.524	20	
Aroclor 1260	1.94	0.0998	1.996	0	97.2	33.5	147	1.823	6.19	20	
Surr: Decachlorobiphenyl	368		399.2		92.3	23.1	172		0		
Surr: Tetrachloro-m-xylene	158		399.2		39.5	10	125		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID **LCS1D-17702** SampType: **LCSD** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37587**
Client ID: **LCSW02** Batch ID: **17702** Analysis Date: **7/25/2017** SeqNo: **722325**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **1707217-023DDUP** SampType: **DUP** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37587**
Client ID: **GLB-1-W** Batch ID: **17702** Analysis Date: **7/25/2017** SeqNo: **722328**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0996						0		30	
Aroclor 1221	ND	0.0996						0		30	
Aroclor 1232	ND	0.0996						0		30	
Aroclor 1242	ND	0.0996						0		30	
Aroclor 1248	ND	0.0996						0		30	
Aroclor 1254	ND	0.0996						0		30	
Aroclor 1260	ND	0.0996						0		30	
Aroclor 1262	ND	0.0996						0		30	
Aroclor 1268	ND	0.0996						0		30	
Total PCBs	ND	0.0996						0		30	
Surr: Decachlorobiphenyl	216		398.3		54.3	23.1	172		0		
Surr: Tetrachloro-m-xylene	232		398.3		58.2	10	125		0		

Sample ID **LCS2-17702** SampType: **LCS** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37587**
Client ID: **LCSW** Batch ID: **17702** Analysis Date: **7/25/2017** SeqNo: **722483**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0996	1.993	0	0	32.4	133				S
Aroclor 1254	1.65	0.0996	1.993	0	82.8	21.3	139				
Aroclor 1260	ND	0.0996	1.993	0	0	33.5	147				S
Surr: Decachlorobiphenyl	294		398.6		73.7	23.1	172				
Surr: Tetrachloro-m-xylene	175		398.6		43.8	10	125				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID **MB-17707** SampType: **MBLK** Units: **mg/Kg** Prep Date: **7/24/2017** RunNo: **37571**
Client ID: **MBLKS** Batch ID: **17707** Analysis Date: **7/24/2017** SeqNo: **721923**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.100									
Aroclor 1221	ND	0.100									
Aroclor 1232	ND	0.100									
Aroclor 1242	ND	0.100									
Aroclor 1248	ND	0.100									
Aroclor 1254	ND	0.100									
Aroclor 1260	ND	0.100									
Aroclor 1262	ND	0.100									
Aroclor 1268	ND	0.100									
Total PCBs	ND	0.100									
Surr: Decachlorobiphenyl	61.7		50.00		123	30.8	168				
Surr: Tetrachloro-m-xylene	57.0		50.00		114	30.1	143				

Sample ID **LCS1-17707** SampType: **LCS** Units: **mg/Kg** Prep Date: **7/24/2017** RunNo: **37571**
Client ID: **LCSS** Batch ID: **17707** Analysis Date: **7/24/2017** SeqNo: **721924**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.09	0.100	1.000	0	109	38.5	149				
Aroclor 1260	1.14	0.100	1.000	0	114	35.4	154				
Surr: Decachlorobiphenyl	59.4		50.00		119	30.8	168				
Surr: Tetrachloro-m-xylene	55.4		50.00		111	30.1	143				

Sample ID **LCS2-17707** SampType: **LCS** Units: **mg/Kg** Prep Date: **7/24/2017** RunNo: **37571**
Client ID: **LCSS** Batch ID: **17707** Analysis Date: **7/24/2017** SeqNo: **721925**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.17	0.100	1.000	0	117	32.8	151				
Surr: Decachlorobiphenyl	57.2		50.00		114	30.8	168				
Surr: Tetrachloro-m-xylene	56.5		50.00		113	30.1	143				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID **1707213-002ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37571**
Client ID: **BATCH** Batch ID: **17707** Analysis Date: **7/24/2017** SeqNo: **721927**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.113						0		30	
Aroclor 1221	ND	0.113						0		30	
Aroclor 1232	ND	0.113						0		30	
Aroclor 1242	ND	0.113						0		30	
Aroclor 1248	ND	0.113						0		30	
Aroclor 1254	ND	0.113						0		30	
Aroclor 1260	ND	0.113						0		30	
Aroclor 1262	ND	0.113						0		30	
Aroclor 1268	ND	0.113						0		30	
Total PCBs	ND	0.113						0		30	
Surr: Decachlorobiphenyl	41.4		56.28		73.5	30.8	168		0		
Surr: Tetrachloro-m-xylene	39.6		56.28		70.4	30.1	143		0		

Sample ID **1707213-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37571**
Client ID: **BATCH** Batch ID: **17707** Analysis Date: **7/24/2017** SeqNo: **721928**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.20	0.106	1.057	0	113	27.1	166				
Aroclor 1260	1.21	0.106	1.057	0	114	20.6	168				
Surr: Decachlorobiphenyl	37.5		52.85		70.9	30.8	168				
Surr: Tetrachloro-m-xylene	37.4		52.85		70.8	30.1	143				

Sample ID **1707213-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37571**
Client ID: **BATCH** Batch ID: **17707** Analysis Date: **7/24/2017** SeqNo: **721929**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.08	0.105	1.050	0	102	27.1	166	1.199	10.8	30	
Aroclor 1260	1.09	0.105	1.050	0	104	20.6	168	1.209	10.2	30	
Surr: Decachlorobiphenyl	40.0		52.50		76.3	30.8	168		0		
Surr: Tetrachloro-m-xylene	38.1		52.50		72.6	30.1	143		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID **1707213-002AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **7/24/2017**			RunNo: **37571**		
Client ID: **BATCH**	Batch ID: **17707**					Analysis Date: **7/24/2017**			SeqNo: **721929**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID	**1707210-003ADUP**	SampType: **DUP**		Units: **wt%**		Prep Date: **7/24/2017**		RunNo: **37550**			
Client ID:	**BATCH**	Batch ID: **R37550**				Analysis Date: **7/24/2017**		SeqNo: **721558**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	7.20	0.500						7.565	4.91	20	

Sample ID	**1707217-022ADUP**	SampType: **DUP**		Units: **wt%**		Prep Date: **7/24/2017**		RunNo: **37550**			
Client ID:	**GLB-9-9**	Batch ID: **R37550**				Analysis Date: **7/24/2017**		SeqNo: **721582**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	28.6	0.500						28.47	0.338	20	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID **1707220-043ADUP**	SampType: **DUP**			Units: **wt%**		Prep Date: **7/25/2017**		RunNo: **37593**		
Client ID: **BATCH**	Batch ID: **R37593**					Analysis Date: **7/25/2017**		SeqNo: **722403**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	22.2	0.500						22.33	0.436	20	

Sample ID **1707223-011ADUP**	SampType: **DUP**			Units: **wt%**		Prep Date: **7/25/2017**		RunNo: **37593**		
Client ID: **BATCH**	Batch ID: **R37593**					Analysis Date: **7/25/2017**		SeqNo: **722415**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	4.37	0.500						4.767	8.70	20	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID	**MB-17698**	SampType:	**MBLK**	Units:	**µg/L**	Prep Date:	**7/24/2017**	RunNo:	**37558**
Client ID:	**MBLKW**	Batch ID:	**17698**			Analysis Date:	**7/24/2017**	SeqNo:	**721727**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00									
Cadmium	ND	0.200									
Chromium	ND	0.500									
Lead	ND	0.500									

Sample ID	**LCS-17698**	SampType:	**LCS**	Units:	**µg/L**	Prep Date:	**7/24/2017**	RunNo:	**37558**
Client ID:	**LCSW**	Batch ID:	**17698**			Analysis Date:	**7/24/2017**	SeqNo:	**721728**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	103	1.00	100.0	0	103	85	115				
Cadmium	5.09	0.200	5.000	0	102	85	115				
Chromium	105	0.500	100.0	0	105	85	115				
Lead	53.0	0.500	50.00	0	106	85	115				

Sample ID	**1707197-001BDUP**	SampType:	**DUP**	Units:	**µg/L**	Prep Date:	**7/24/2017**	RunNo:	**37558**
Client ID:	**BATCH**	Batch ID:	**17698**			Analysis Date:	**7/24/2017**	SeqNo:	**721730**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4.44	1.00						4.742	6.61	30	
Cadmium	ND	0.200						0		30	
Chromium	1.41	0.500						1.420	1.03	30	
Lead	20.0	0.500						19.90	0.434	30	

Sample ID	**1707197-001BMS**	SampType:	**MS**	Units:	**µg/L**	Prep Date:	**7/24/2017**	RunNo:	**37558**
Client ID:	**BATCH**	Batch ID:	**17698**			Analysis Date:	**7/24/2017**	SeqNo:	**721733**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	574	1.00	500.0	4.742	114	70	130				
Cadmium	26.3	0.200	25.00	0.1400	105	70	130				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID **1707197-001BMS** SampType: **MS** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37558**
Client ID: **BATCH** Batch ID: **17698** Analysis Date: **7/24/2017** SeqNo: **721733**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	564	0.500	500.0	1.420	112	70	130				
Lead	285	0.500	250.0	19.90	106	70	130				

Sample ID **1707197-001BMSD** SampType: **MSD** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37558**
Client ID: **BATCH** Batch ID: **17698** Analysis Date: **7/24/2017** SeqNo: **721734**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	543	1.00	500.0	4.742	108	70	130	573.9	5.52	30	
Cadmium	26.0	0.200	25.00	0.1400	103	70	130	26.29	1.24	30	
Chromium	550	0.500	500.0	1.420	110	70	130	563.6	2.38	30	
Lead	284	0.500	250.0	19.90	105	70	130	284.8	0.399	30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Total Metals by EPA Method 6020

Sample ID **MB-17699** SampType: **MBLK** Units: **mg/Kg** Prep Date: **7/24/2017** RunNo: **37566**
Client ID: **MBLKS** Batch ID: **17699** Analysis Date: **7/24/2017** SeqNo: **721850**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0752									
Cadmium	ND	0.150									
Chromium	ND	0.0752									
Lead	ND	0.150									

Sample ID **LCS-17699** SampType: **LCS** Units: **mg/Kg** Prep Date: **7/24/2017** RunNo: **37566**
Client ID: **LCSS** Batch ID: **17699** Analysis Date: **7/24/2017** SeqNo: **721851**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.3	0.0763	38.17	0	103	80	120				
Cadmium	1.93	0.153	1.908	0	101	80	120				
Chromium	40.6	0.0763	38.17	0	106	80	120				
Lead	19.1	0.153	19.08	0	100	80	120				

Sample ID **1707213-001ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37566**
Client ID: **BATCH** Batch ID: **17699** Analysis Date: **7/24/2017** SeqNo: **721853**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	8.93	0.0872						9.657	7.87	20	
Cadmium	0.277	0.174						0.2893	4.18	20	
Chromium	39.6	0.0872						40.56	2.48	20	
Lead	74.0	0.174						58.20	24.0	20	R

NOTES:
R - High RPD observed. The method is in control as indicated by the LCS.

Sample ID **1707213-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37566**
Client ID: **BATCH** Batch ID: **17699** Analysis Date: **7/24/2017** SeqNo: **721855**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	53.1	0.0872	43.58	9.657	99.8	75	125				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Total Metals by EPA Method 6020

Sample ID **1707213-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37566**
Client ID: **BATCH** Batch ID: **17699** Analysis Date: **7/24/2017** SeqNo: **721855**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.59	0.174	2.179	0.2893	105	75	125				
Chromium	92.1	0.0872	43.58	40.56	118	75	125				
Lead	65.1	0.174	21.79	58.20	31.7	75	125				S

NOTES:
S - Outlying spike recovery(ies) observed for Lead. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID **1707213-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37566**
Client ID: **BATCH** Batch ID: **17699** Analysis Date: **7/24/2017** SeqNo: **721856**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	55.6	0.0872	43.58	9.657	105	75	125	53.15	4.44	20	
Cadmium	2.53	0.174	2.179	0.2893	103	75	125	2.586	2.02	20	
Chromium	99.4	0.0872	43.58	40.56	135	75	125	92.06	7.64	20	S
Lead	91.2	0.174	21.79	58.20	152	75	125	65.11	33.4	20	RS

NOTES:
S - Outlying spike recovery(ies) observed for Lead. A duplicate analysis was performed with similar results indicating a possible matrix effect.
S - Outlying spike recovery(ies) observed for Chromium. A duplicate analysis was performed and recovered within range.
R - High RPD indicates a possible matrix interference. The method is in control as indicated by the Laboratory Control Sample (LCS).

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-17709** SampType: **LCS** Units: **mg/Kg** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **LCSS** Batch ID: **17709** Analysis Date: **7/24/2017** SeqNo: **722187**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.00	0.0200	1.000	0	100	14.3	167				
Chloromethane	1.25	0.0500	1.000	0	125	46	144				
Vinyl chloride	1.07	0.0250	1.000	0	107	43.4	151				
Bromomethane	1.01	0.0500	1.000	0	101	40.9	157				
Trichlorofluoromethane (CFC-11)	0.738	0.0200	1.000	0	73.8	36.9	156				
Chloroethane	0.560	0.0500	1.000	0	56.0	33.1	147				
1,1-Dichloroethene	0.678	0.0200	1.000	0	67.8	49.7	142				
Methylene chloride	0.946	0.0200	1.000	0	94.6	46.3	140				
trans-1,2-Dichloroethene	1.09	0.0200	1.000	0	109	68	130				
Methyl tert-butyl ether (MTBE)	1.23	0.0500	1.000	0	123	66.3	145				
1,1-Dichloroethane	1.17	0.0200	1.000	0	117	61.9	137				
2,2-Dichloropropane	1.52	0.100	1.000	0	152	35.5	186				
cis-1,2-Dichloroethene	1.19	0.0200	1.000	0	119	71.3	135				
Chloroform	1.15	0.0200	1.000	0	115	69	145				
1,1,1-Trichloroethane (TCA)	1.04	0.0250	1.000	0	104	69	132				
1,1-Dichloropropene	1.08	0.0200	1.000	0	108	72.7	131				
Carbon tetrachloride	0.896	0.0250	1.000	0	89.6	63.4	137				
1,2-Dichloroethane (EDC)	1.16	0.0200	1.000	0	116	50.9	162				
Benzene	1.12	0.0200	1.000	0	112	64.3	133				
Trichloroethene (TCE)	1.18	0.0200	1.000	0	118	65.5	137				
1,2-Dichloropropane	1.16	0.0200	1.000	0	116	63.2	142				
Bromodichloromethane	0.982	0.0200	1.000	0	98.2	53.4	131				
Dibromomethane	1.07	0.0200	1.000	0	107	60.1	146				
cis-1,3-Dichloropropene	1.16	0.0200	1.000	0	116	59.1	143				
Toluene	1.20	0.0200	1.000	0	120	67.3	138				
trans-1,3-Dichloropropylene	1.10	0.0200	1.000	0	110	49.2	149				
1,1,2-Trichloroethane	1.09	0.0200	1.000	0	109	56.9	147				
1,3-Dichloropropane	1.15	0.0250	1.000	0	115	56.1	153				
Tetrachloroethene (PCE)	1.17	0.0250	1.000	0	117	52.7	150				
Dibromochloromethane	0.900	0.0250	1.000	0	90.0	70.6	144				
1,2-Dibromoethane (EDB)	1.08	0.00500	1.000	0	108	50.5	154				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-17709** SampType: **LCS** Units: **mg/Kg** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **LCSS** Batch ID: **17709** Analysis Date: **7/24/2017** SeqNo: **722187**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	1.08	0.0250	1.000	0	108	76.1	123				
1,1,1,2-Tetrachloroethane	0.938	0.0250	1.000	0	93.8	65.9	141				
Ethylbenzene	1.10	0.0250	1.000	0	110	74	129				
m,p-Xylene	2.23	0.0500	2.000	0	111	70	124				
o-Xylene	1.09	0.0250	1.000	0	109	68.1	139				
Styrene	1.12	0.0250	1.000	0	112	73.3	146				
Isopropylbenzene	1.11	0.0250	1.000	0	111	70	130				
Bromoform	0.710	0.0500	1.000	0	71.0	67	154				
1,1,2,2-Tetrachloroethane	0.852	0.0200	1.000	0	85.2	44.8	165				
n-Propylbenzene	1.17	0.0250	1.000	0	117	74.8	125				
Bromobenzene	1.06	0.0200	1.000	0	106	49.2	144				
1,3,5-Trimethylbenzene	1.12	0.0250	1.000	0	112	74.6	123				
2-Chlorotoluene	1.06	0.0250	1.000	0	106	76.7	129				
4-Chlorotoluene	1.11	0.0250	1.000	0	111	77.5	125				
tert-Butylbenzene	1.12	0.0250	1.000	0	112	66.2	130				
1,2,3-Trichloropropane	0.903	0.0250	1.000	0	90.3	67.9	136				
1,2,4-Trichlorobenzene	1.20	0.0250	1.000	0	120	62.6	143				
sec-Butylbenzene	1.12	0.0500	1.000	0	112	75.6	133				
4-Isopropyltoluene	1.12	0.0500	1.000	0	112	76.8	131				
1,3-Dichlorobenzene	1.09	0.0200	1.000	0	109	72.8	128				
1,4-Dichlorobenzene	1.08	0.0200	1.000	0	108	72.6	126				
n-Butylbenzene	1.21	0.0250	1.000	0	121	65.3	136				
1,2-Dichlorobenzene	1.07	0.0200	1.000	0	107	72.8	126				
1,2-Dibromo-3-chloropropane	0.715	0.500	1.000	0	71.5	40.2	155				
1,2,4-Trimethylbenzene	1.13	0.0200	1.000	0	113	77.5	129				
Hexachlorobutadiene	1.25	0.0500	1.000	0	125	42	151				
Naphthalene	1.12	0.0500	1.000	0	112	58.4	160				
1,2,3-Trichlorobenzene	1.20	0.0200	1.000	0	120	54.8	143				
Surr: Dibromofluoromethane	1.24		1.250		99.5	56.5	129				
Surr: Toluene-d8	1.42		1.250		114	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.31		1.250		105	63.1	141				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-17709**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **7/24/2017**		RunNo: **37580**			
Client ID: **LCSS**	Batch ID: **17709**					Analysis Date: **7/24/2017**		SeqNo: **722187**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **MB-17709**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **7/24/2017**		RunNo: **37580**			
Client ID: **MBLKS**	Batch ID: **17709**					Analysis Date: **7/24/2017**		SeqNo: **722188**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0200									
Chloromethane	ND	0.0500									
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.0500									
Trichlorofluoromethane (CFC-11)	ND	0.0200									
Chloroethane	ND	0.0500									
1,1-Dichloroethene	ND	0.0200									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
Methyl tert-butyl ether (MTBE)	ND	0.0500									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.100									Q
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0250									
1,2-Dichloroethane (EDC)	ND	0.0200									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-17709** SampType: **MBLK** Units: **mg/Kg** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **MBLKS** Batch ID: **17709** Analysis Date: **7/24/2017** SeqNo: **722188**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropylene	ND	0.0200									
1,1,2-Trichloroethane	ND	0.0200									
1,3-Dichloropropane	ND	0.0250									
Tetrachloroethene (PCE)	ND	0.0250									
Dibromochloromethane	ND	0.0250									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0250									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0250									
Bromoform	ND	0.0500									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0250									
Bromobenzene	ND	0.0200									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0250									
4-Chlorotoluene	ND	0.0250									
tert-Butylbenzene	ND	0.0250									
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0250									
sec-Butylbenzene	ND	0.0500									
4-Isopropyltoluene	ND	0.0500									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0250									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.500									Q
1,2,4-Trimethylbenzene	ND	0.0200									

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-17709** SampType: **MBLK** Units: **mg/Kg** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **MBLKS** Batch ID: **17709** Analysis Date: **7/24/2017** SeqNo: **722188**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	0.0500									
Naphthalene	ND	0.0500									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	1.10		1.250		88.2	56.5	129				
Surr: Toluene-d8	1.39		1.250		111	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.5	63.1	141				

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **1707217-013BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **GLB-5-8** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722178**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0237						0		30	
Chloromethane	ND	0.0591						0		30	
Vinyl chloride	ND	0.0296						0		30	
Bromomethane	ND	0.0591						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0237						0		30	
Chloroethane	ND	0.0591						0		30	
1,1-Dichloroethene	ND	0.0237						0		30	
Methylene chloride	ND	0.0237						0		30	
trans-1,2-Dichloroethene	ND	0.0237						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0591						0		30	
1,1-Dichloroethane	ND	0.0237						0		30	
2,2-Dichloropropane	ND	0.118						0		30	Q
cis-1,2-Dichloroethene	ND	0.0237						0		30	
Chloroform	ND	0.0237						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0296						0		30	
1,1-Dichloropropene	ND	0.0237						0		30	
Carbon tetrachloride	ND	0.0296						0		30	
1,2-Dichloroethane (EDC)	ND	0.0237						0		30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707217-013BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **GLB-5-8** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722178**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0237						0		30	
Trichloroethene (TCE)	ND	0.0237						0		30	
1,2-Dichloropropane	ND	0.0237						0		30	
Bromodichloromethane	ND	0.0237						0		30	
Dibromomethane	ND	0.0237						0		30	
cis-1,3-Dichloropropene	ND	0.0237						0		30	
Toluene	ND	0.0237						0		30	
trans-1,3-Dichloropropylene	ND	0.0237						0		30	
1,1,2-Trichloroethane	ND	0.0237						0		30	
1,3-Dichloropropane	ND	0.0296						0		30	
Tetrachloroethene (PCE)	ND	0.0296						0		30	
Dibromochloromethane	ND	0.0296						0		30	
1,2-Dibromoethane (EDB)	ND	0.00591						0		30	
Chlorobenzene	ND	0.0296						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0296						0		30	
Ethylbenzene	ND	0.0296						0		30	
m,p-Xylene	ND	0.0591						0		30	
o-Xylene	ND	0.0296						0		30	
Styrene	ND	0.0296						0		30	
Isopropylbenzene	ND	0.0296						0		30	
Bromoform	ND	0.0591						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0237						0		30	
n-Propylbenzene	ND	0.0296						0		30	
Bromobenzene	ND	0.0237						0		30	
1,3,5-Trimethylbenzene	ND	0.0296						0		30	
2-Chlorotoluene	ND	0.0296						0		30	
4-Chlorotoluene	ND	0.0296						0		30	
tert-Butylbenzene	ND	0.0296						0		30	
1,2,3-Trichloropropane	ND	0.0296						0		30	
1,2,4-Trichlorobenzene	ND	0.0296						0		30	
sec-Butylbenzene	ND	0.0591						0		30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707217-013BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **GLB-5-8** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722178**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	ND	0.0591						0		30	
1,3-Dichlorobenzene	ND	0.0237						0		30	
1,4-Dichlorobenzene	ND	0.0237						0		30	
n-Butylbenzene	ND	0.0296						0		30	
1,2-Dichlorobenzene	ND	0.0237						0		30	
1,2-Dibromo-3-chloropropane	ND	0.591						0		30	Q
1,2,4-Trimethylbenzene	ND	0.0237						0		30	
Hexachlorobutadiene	ND	0.0591						0		30	
Naphthalene	ND	0.0591						0		30	
1,2,3-Trichlorobenzene	ND	0.0237						0		30	
Surr: Dibromofluoromethane	1.37		1.479		92.9	56.5	129		0		
Surr: Toluene-d8	1.56		1.479		106	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.40		1.479		94.6	63.1	141		0		

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **1707217-018BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **GLB-7-6** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722181**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.19	0.0228	1.140	0	104	43.5	121				
Chloromethane	1.29	0.0570	1.140	0	113	45	130				
Vinyl chloride	1.25	0.0285	1.140	0	110	51.2	146				
Bromomethane	1.06	0.0570	1.140	0	93.3	21.3	120				
Trichlorofluoromethane (CFC-11)	1.01	0.0228	1.140	0	88.8	35	131				
Chloroethane	0.915	0.0570	1.140	0	80.3	31.9	123				
1,1-Dichloroethene	1.21	0.0228	1.140	0	106	61.9	141				
Methylene chloride	1.29	0.0228	1.140	0	113	54.7	142				
trans-1,2-Dichloroethene	1.27	0.0228	1.140	0	112	52	136				
Methyl tert-butyl ether (MTBE)	1.19	0.0570	1.140	0	104	54.4	132				
1,1-Dichloroethane	1.27	0.0228	1.140	0	112	51.8	141				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707217-018BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **GLB-7-6** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722181**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	1.38	0.114	1.140	0	121	36	123				
cis-1,2-Dichloroethene	1.30	0.0228	1.140	0	114	58.6	136				
Chloroform	1.25	0.0228	1.140	0	109	53.2	129				
1,1,1-Trichloroethane (TCA)	1.16	0.0285	1.140	0	102	58.3	145				
1,1-Dichloropropene	1.18	0.0228	1.140	0	103	55.1	138				
Carbon tetrachloride	1.02	0.0285	1.140	0	89.5	53.3	144				
1,2-Dichloroethane (EDC)	1.24	0.0228	1.140	0	109	51.3	139				
Benzene	1.27	0.0228	1.140	0	111	63.5	133				
Trichloroethene (TCE)	1.23	0.0228	1.140	0	108	68.6	132				
1,2-Dichloropropane	1.24	0.0228	1.140	0	109	59	136				
Bromodichloromethane	1.09	0.0228	1.140	0	95.2	50.7	141				
Dibromomethane	1.12	0.0228	1.140	0	98.5	50.6	137				
cis-1,3-Dichloropropene	1.19	0.0228	1.140	0	104	50.4	138				
Toluene	1.27	0.0228	1.140	0	112	63.4	132				
trans-1,3-Dichloropropylene	1.13	0.0228	1.140	0	99.0	44.1	147				
1,1,2-Trichloroethane	1.13	0.0228	1.140	0	99.5	51.6	137				
1,3-Dichloropropane	1.19	0.0285	1.140	0	105	53.1	134				
Tetrachloroethene (PCE)	1.24	0.0285	1.140	0	109	35.6	158				
Dibromochloromethane	0.992	0.0285	1.140	0	87.0	55.3	140				
1,2-Dibromoethane (EDB)	1.11	0.00570	1.140	0	97.2	50.4	136				
Chlorobenzene	1.17	0.0285	1.140	0	103	60	133				
1,1,1,2-Tetrachloroethane	1.04	0.0285	1.140	0	90.9	53.1	142				
Ethylbenzene	1.20	0.0285	1.140	0	105	54.5	134				
m,p-Xylene	2.43	0.0570	2.280	0.03713	105	53.1	132				
o-Xylene	1.22	0.0285	1.140	0.04684	103	53.3	139				
Styrene	1.19	0.0285	1.140	0	105	51.1	132				
Isopropylbenzene	1.21	0.0285	1.140	0	106	58.9	138				
Bromoform	0.772	0.0570	1.140	0	67.7	57.9	130				
1,1,2,2-Tetrachloroethane	0.933	0.0228	1.140	0	81.8	51.9	131				
n-Propylbenzene	1.25	0.0285	1.140	0	109	53.6	140				
Bromobenzene	1.14	0.0228	1.140	0	100	54.2	140				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707217-018BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **GLB-7-6** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722181**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	1.20	0.0285	1.140	0	105	51.8	136				
2-Chlorotoluene	1.16	0.0285	1.140	0	102	51.6	136				
4-Chlorotoluene	1.19	0.0285	1.140	0	104	50.1	139				
tert-Butylbenzene	1.20	0.0285	1.140	0	105	50.5	135				
1,2,3-Trichloropropane	0.913	0.0285	1.140	0	80.1	50.5	131				
1,2,4-Trichlorobenzene	1.09	0.0285	1.140	0	95.6	50.8	130				
sec-Butylbenzene	1.18	0.0570	1.140	0	104	52.6	141				
4-Isopropyltoluene	1.17	0.0570	1.140	0	103	52.9	134				
1,3-Dichlorobenzene	1.20	0.0228	1.140	0	105	52.6	131				
1,4-Dichlorobenzene	1.19	0.0228	1.140	0	104	52.9	129				
n-Butylbenzene	1.26	0.0285	1.140	0	110	52.6	130				
1,2-Dichlorobenzene	1.18	0.0228	1.140	0	103	55.8	129				
1,2-Dibromo-3-chloropropane	0.710	0.570	1.140	0	62.3	40.5	131				
1,2,4-Trimethylbenzene	1.20	0.0228	1.140	0	105	50.6	137				
Hexachlorobutadiene	1.27	0.0570	1.140	0	111	40.6	158				
Naphthalene	0.983	0.0570	1.140	0	86.2	52.3	124				
1,2,3-Trichlorobenzene	1.09	0.0228	1.140	0	95.6	54.4	124				
Surr: Dibromofluoromethane	1.44		1.425		101	56.5	129				
Surr: Toluene-d8	1.56		1.425		109	64.5	151				
Surr: 1-Bromo-4-fluorobenzene	1.48		1.425		104	63.1	141				

Sample ID **1707217-018BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **GLB-7-6** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722182**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.12	0.0228	1.140	0	97.9	43.5	121	1.186	6.07	30	
Chloromethane	1.25	0.0570	1.140	0	110	45	130	1.287	2.57	30	
Vinyl chloride	1.17	0.0285	1.140	0	102	51.2	146	1.252	7.11	30	
Bromomethane	1.02	0.0570	1.140	0	89.3	21.3	120	1.064	4.48	30	
Trichlorofluoromethane (CFC-11)	1.10	0.0228	1.140	0	96.7	35	131	1.013	8.53	30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707217-018BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **GLB-7-6** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722182**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	0.891	0.0570	1.140	0	78.1	31.9	123	0.9153	2.73	30	
1,1-Dichloroethene	1.14	0.0228	1.140	0	100	61.9	141	1.209	5.55	30	
Methylene chloride	1.24	0.0228	1.140	0	109	54.7	142	1.290	3.78	30	
trans-1,2-Dichloroethene	1.20	0.0228	1.140	0	105	52	136	1.275	6.23	30	
Methyl tert-butyl ether (MTBE)	1.17	0.0570	1.140	0	102	54.4	132	1.190	2.08	30	
1,1-Dichloroethane	1.21	0.0228	1.140	0	106	51.8	141	1.274	5.17	30	
2,2-Dichloropropane	1.32	0.114	1.140	0	116	36	123	1.380	4.36	30	
cis-1,2-Dichloroethene	1.23	0.0228	1.140	0	108	58.6	136	1.296	5.08	30	
Chloroform	1.19	0.0228	1.140	0	105	53.2	129	1.246	4.15	30	
1,1,1-Trichloroethane (TCA)	1.09	0.0285	1.140	0	95.8	58.3	145	1.159	5.95	30	
1,1-Dichloropropene	1.10	0.0228	1.140	0	96.5	55.1	138	1.180	6.91	30	
Carbon tetrachloride	0.948	0.0285	1.140	0	83.1	53.3	144	1.020	7.35	30	
1,2-Dichloroethane (EDC)	1.18	0.0228	1.140	0	104	51.3	139	1.240	4.88	30	
Benzene	1.20	0.0228	1.140	0	105	63.5	133	1.266	5.66	30	
Trichloroethene (TCE)	1.17	0.0228	1.140	0	103	68.6	132	1.232	5.29	30	
1,2-Dichloropropane	1.17	0.0228	1.140	0	103	59	136	1.239	5.30	30	
Bromodichloromethane	1.04	0.0228	1.140	0	91.4	50.7	141	1.085	4.10	30	
Dibromomethane	1.08	0.0228	1.140	0	94.9	50.6	137	1.123	3.71	30	
cis-1,3-Dichloropropene	1.15	0.0228	1.140	0	101	50.4	138	1.191	3.49	30	
Toluene	1.21	0.0228	1.140	0	106	63.4	132	1.273	5.05	30	
trans-1,3-Dichloropropylene	1.11	0.0228	1.140	0	97.5	44.1	147	1.129	1.56	30	
1,1,2-Trichloroethane	1.09	0.0228	1.140	0	95.6	51.6	137	1.134	3.99	30	
1,3-Dichloropropane	1.14	0.0285	1.140	0	99.7	53.1	134	1.193	4.79	30	
Tetrachloroethene (PCE)	1.16	0.0285	1.140	0	102	35.6	158	1.244	6.57	30	
Dibromochloromethane	0.945	0.0285	1.140	0	82.8	55.3	140	0.9920	4.89	30	
1,2-Dibromoethane (EDB)	1.08	0.00570	1.140	0	94.7	50.4	136	1.108	2.53	30	
Chlorobenzene	1.12	0.0285	1.140	0	98.6	60	133	1.175	4.41	30	
1,1,1,2-Tetrachloroethane	1.00	0.0285	1.140	0	87.7	53.1	142	1.036	3.57	30	
Ethylbenzene	1.13	0.0285	1.140	0	99.2	54.5	134	1.202	6.00	30	
m,p-Xylene	2.29	0.0570	2.280	0.03713	98.7	53.1	132	2.433	6.08	30	
o-Xylene	1.19	0.0285	1.140	0.04684	100	53.3	139	1.216	2.43	30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707217-018BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **GLB-7-6** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722182**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	1.15	0.0285	1.140	0	101	51.1	132	1.193	3.95	30	
Isopropylbenzene	1.14	0.0285	1.140	0	100	58.9	138	1.207	5.74	30	
Bromoform	0.767	0.0570	1.140	0	67.3	57.9	130	0.7725	0.714	30	
1,1,2,2-Tetrachloroethane	0.930	0.0228	1.140	0	81.6	51.9	131	0.9326	0.293	30	
n-Propylbenzene	1.17	0.0285	1.140	0	103	53.6	140	1.245	5.85	30	
Bromobenzene	1.11	0.0228	1.140	0	97.0	54.2	140	1.142	3.20	30	
1,3,5-Trimethylbenzene	1.14	0.0285	1.140	0	100	51.8	136	1.198	4.61	30	
2-Chlorotoluene	1.11	0.0285	1.140	0	97.7	51.6	136	1.160	4.11	30	
4-Chlorotoluene	1.14	0.0285	1.140	0	99.9	50.1	139	1.186	4.05	30	
tert-Butylbenzene	1.13	0.0285	1.140	0	99.5	50.5	135	1.200	5.64	30	
1,2,3-Trichloropropane	0.915	0.0285	1.140	0	80.2	50.5	131	0.9129	0.181	30	
1,2,4-Trichlorobenzene	1.16	0.0285	1.140	0	102	50.8	130	1.090	6.43	30	
sec-Butylbenzene	1.13	0.0570	1.140	0	98.8	52.6	141	1.184	5.01	30	
4-Isopropyltoluene	1.12	0.0570	1.140	0	98.4	52.9	134	1.174	4.55	30	
1,3-Dichlorobenzene	1.17	0.0228	1.140	0	103	52.6	131	1.200	2.55	30	
1,4-Dichlorobenzene	1.17	0.0228	1.140	0	103	52.9	129	1.190	1.54	30	
n-Butylbenzene	1.21	0.0285	1.140	0	106	52.6	130	1.256	3.74	30	
1,2-Dichlorobenzene	1.16	0.0228	1.140	0	102	55.8	129	1.176	1.47	30	
1,2-Dibromo-3-chloropropane	0.732	0.570	1.140	0	64.2	40.5	131	0.7103	3.06	30	
1,2,4-Trimethylbenzene	1.16	0.0228	1.140	0	102	50.6	137	1.196	3.04	30	
Hexachlorobutadiene	1.26	0.0570	1.140	0	111	40.6	158	1.271	0.611	30	
Naphthalene	1.12	0.0570	1.140	0	98.3	52.3	124	0.9829	13.2	30	
1,2,3-Trichlorobenzene	1.16	0.0228	1.140	0	102	54.4	124	1.090	6.43	30	
Surr: Dibromofluoromethane	1.46		1.425		103	56.5	129		0		
Surr: Toluene-d8	1.55		1.425		109	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.48		1.425		104	63.1	141		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707219-003BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **BATCH** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722613**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0363						0		30	
Chloromethane	ND	0.0908						0		30	
Vinyl chloride	ND	0.0454						0		30	
Bromomethane	ND	0.0908						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0363						0		30	
Chloroethane	ND	0.0908						0		30	
1,1-Dichloroethene	ND	0.0363						0		30	
Methylene chloride	ND	0.0363						0		30	
trans-1,2-Dichloroethene	ND	0.0363						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0908						0		30	
1,1-Dichloroethane	ND	0.0363						0		30	
2,2-Dichloropropane	ND	0.182						0		30	Q
cis-1,2-Dichloroethene	ND	0.0363						0		30	
Chloroform	ND	0.0363						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0454						0		30	
1,1-Dichloropropene	ND	0.0363						0		30	
Carbon tetrachloride	ND	0.0454						0		30	
1,2-Dichloroethane (EDC)	ND	0.0363						0		30	
Benzene	ND	0.0363						0		30	
Trichloroethene (TCE)	ND	0.0363						0		30	
1,2-Dichloropropane	ND	0.0363						0		30	
Bromodichloromethane	ND	0.0363						0		30	
Dibromomethane	ND	0.0363						0		30	
cis-1,3-Dichloropropene	ND	0.0363						0		30	
Toluene	ND	0.0363						0		30	
trans-1,3-Dichloropropylene	ND	0.0363						0		30	
1,1,2-Trichloroethane	ND	0.0363						0		30	
1,3-Dichloropropane	ND	0.0454						0		30	
Tetrachloroethene (PCE)	ND	0.0454						0		30	
Dibromochloromethane	ND	0.0454						0		30	
1,2-Dibromoethane (EDB)	ND	0.00908						0		30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707219-003BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/24/2017** RunNo: **37580**
Client ID: **BATCH** Batch ID: **17709** Analysis Date: **7/25/2017** SeqNo: **722613**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	0.0454						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0454						0		30	
Ethylbenzene	ND	0.0454						0		30	
m,p-Xylene	ND	0.0908						0		30	
o-Xylene	ND	0.0454						0		30	
Styrene	ND	0.0454						0		30	
Isopropylbenzene	ND	0.0454						0		30	
Bromoform	ND	0.0908						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0363						0		30	
n-Propylbenzene	ND	0.0454						0		30	
Bromobenzene	ND	0.0363						0		30	
1,3,5-Trimethylbenzene	ND	0.0454						0		30	
2-Chlorotoluene	ND	0.0454						0		30	
4-Chlorotoluene	ND	0.0454						0		30	
tert-Butylbenzene	ND	0.0454						0		30	
1,2,3-Trichloropropane	ND	0.0454						0		30	
1,2,4-Trichlorobenzene	ND	0.0454						0		30	
sec-Butylbenzene	ND	0.0908						0		30	
4-Isopropyltoluene	ND	0.0908						0		30	
1,3-Dichlorobenzene	ND	0.0363						0		30	
1,4-Dichlorobenzene	ND	0.0363						0		30	
n-Butylbenzene	ND	0.0454						0		30	
1,2-Dichlorobenzene	ND	0.0363						0		30	
1,2-Dibromo-3-chloropropane	ND	0.908						0		30	Q
1,2,4-Trimethylbenzene	ND	0.0363						0		30	
Hexachlorobutadiene	ND	0.0908						0		30	
Naphthalene	ND	0.0908						0		30	
1,2,3-Trichlorobenzene	ND	0.0363						0		30	
Surr: Dibromofluoromethane	2.12		2.270		93.4	56.5	129		0		
Surr: Toluene-d8	2.30		2.270		101	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	2.19		2.270		96.4	63.1	141		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707219-003BDUP**	SampType: **DUP**			Units: **mg/Kg-dry**	Prep Date: **7/24/2017**		RunNo: **37580**		
Client ID: **BATCH**	Batch ID: **17709**				Analysis Date: **7/25/2017**		SeqNo: **722613**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-17715** SampType: **LCS** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **LCSW** Batch ID: **17715** Analysis Date: **7/24/2017** SeqNo: **722282**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	25.8	1.00	20.00	0	129	18.7	171				
Chloromethane	21.8	1.00	20.00	0	109	38.5	171				
Vinyl chloride	21.4	0.200	20.00	0	107	48	145				
Bromomethane	21.7	1.00	20.00	0	109	32.5	184				
Trichlorofluoromethane (CFC-11)	21.2	1.00	20.00	0	106	43.5	149				
Chloroethane	20.4	1.00	20.00	0	102	43.8	168				
1,1-Dichloroethene	20.3	1.00	20.00	0	102	57.5	150				
Methylene chloride	19.8	1.00	20.00	0	99.0	67.1	131				
trans-1,2-Dichloroethene	20.4	1.00	20.00	0	102	71.7	129				
Methyl tert-butyl ether (MTBE)	19.0	1.00	20.00	0	95.1	58	138				
1,1-Dichloroethane	19.9	1.00	20.00	0	99.6	67.9	134				
2,2-Dichloropropane	17.2	2.00	20.00	0	86.0	26.5	185				
cis-1,2-Dichloroethene	20.6	1.00	20.00	0	103	70.2	139				
Chloroform	19.9	1.00	20.00	0	99.7	66.3	131				
1,1,1-Trichloroethane (TCA)	20.1	1.00	20.00	0	101	71	131				
1,1-Dichloropropene	19.9	1.00	20.00	0	99.4	69.9	124				
Carbon tetrachloride	19.6	1.00	20.00	0	97.8	66.2	134				
1,2-Dichloroethane (EDC)	19.3	1.00	20.00	0	96.5	67	126				
Benzene	20.1	1.00	20.00	0	101	69.3	132				
Trichloroethene (TCE)	19.9	0.500	20.00	0	99.3	65.2	136				
1,2-Dichloropropane	19.8	1.00	20.00	0	99.1	70.5	130				
Bromodichloromethane	19.5	1.00	20.00	0	97.6	67.2	137				
Dibromomethane	19.0	1.00	20.00	0	95.2	69.3	143				
cis-1,3-Dichloropropene	19.5	1.00	20.00	0	97.4	62.6	137				
Toluene	20.0	1.00	20.00	0	100	61.3	145				
trans-1,3-Dichloropropylene	19.1	1.00	20.00	0	95.4	56.5	163				
1,1,2-Trichloroethane	19.0	1.00	20.00	0	94.8	71.7	131				
1,3-Dichloropropane	19.7	1.00	20.00	0	98.6	73.5	127				
Tetrachloroethene (PCE)	20.0	1.00	20.00	0	100	47.5	147				
Dibromochloromethane	19.4	1.00	20.00	0	96.8	67.2	134				
1,2-Dibromoethane (EDB)	19.0	0.250	20.00	0	95.0	73.6	125				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-17715** SampType: **LCS** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **LCSW** Batch ID: **17715** Analysis Date: **7/24/2017** SeqNo: **722282**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	20.3	1.00	20.00	0	101	73.9	126				
1,1,1,2-Tetrachloroethane	19.7	1.00	20.00	0	98.5	76.8	124				
Ethylbenzene	20.6	1.00	20.00	0	103	72	130				
m,p-Xylene	40.9	1.00	40.00	0	102	70.3	134				
o-Xylene	20.6	1.00	20.00	0	103	72.1	131				
Styrene	20.4	1.00	20.00	0	102	64.3	140				
Isopropylbenzene	20.6	1.00	20.00	0	103	73.9	128				
Bromoform	17.9	1.00	20.00	0	89.4	55.3	141				
1,1,2,2-Tetrachloroethane	18.8	1.00	20.00	0	94.0	62.9	132				
n-Propylbenzene	21.1	1.00	20.00	0	105	74.5	127				
Bromobenzene	19.9	1.00	20.00	0	99.6	71	131				
1,3,5-Trimethylbenzene	20.5	1.00	20.00	0	102	73.1	128				
2-Chlorotoluene	20.5	1.00	20.00	0	102	70.8	130				
4-Chlorotoluene	20.3	1.00	20.00	0	102	70.1	131				
tert-Butylbenzene	20.5	1.00	20.00	0	103	68.2	131				
1,2,3-Trichloropropane	17.6	1.00	20.00	0	88.1	67.7	131				
1,2,4-Trichlorobenzene	19.4	2.00	20.00	0	97.2	51.8	152				
sec-Butylbenzene	20.6	1.00	20.00	0	103	72	129				
4-Isopropyltoluene	20.0	1.00	20.00	0	99.8	69.2	130				
1,3-Dichlorobenzene	20.8	1.00	20.00	0	104	80.4	124				
1,4-Dichlorobenzene	20.6	1.00	20.00	0	103	66.8	119				
n-Butylbenzene	20.6	1.00	20.00	0	103	73.8	127				
1,2-Dichlorobenzene	20.5	1.00	20.00	0	103	69.7	119				
1,2-Dibromo-3-chloropropane	17.2	1.00	20.00	0	85.9	63.1	136				
1,2,4-Trimethylbenzene	20.7	1.00	20.00	0	103	73.4	127				
Hexachloro-1,3-butadiene	20.4	4.00	20.00	0	102	58.6	138				
Naphthalene	19.4	1.00	20.00	0	97.2	41.8	165				
1,2,3-Trichlorobenzene	19.5	4.00	20.00	0	97.7	48.7	156				
Surr: Dibromofluoromethane	24.9		25.00		99.6	45.4	152				
Surr: Toluene-d8	25.1		25.00		100	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	25.6		25.00		102	64.2	128				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-17715** SampType: **LCS** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **LCSW** Batch ID: **17715** Analysis Date: **7/24/2017** SeqNo: **722282**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **MB-17715** SampType: **MBLK** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **MBLKW** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722283**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00									
Chloromethane	ND	1.00									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.00									
Trichlorofluoromethane (CFC-11)	ND	1.00									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	1.00									
1,1-Dichloroethane	ND	1.00									
2,2-Dichloropropane	ND	2.00									Q
cis-1,2-Dichloroethene	ND	1.00									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	1.00									
1,1-Dichloropropene	ND	1.00									
Carbon tetrachloride	ND	1.00									
1,2-Dichloroethane (EDC)	ND	1.00									
Benzene	ND	1.00									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	1.00									
Bromodichloromethane	ND	1.00									
Dibromomethane	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Toluene	ND	1.00									

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-17715** SampType: **MBLK** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **MBLKW** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722283**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropylene	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,3-Dichloropropane	ND	1.00									
Tetrachloroethene (PCE)	ND	1.00									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.250									
Chlorobenzene	ND	1.00									
1,1,1,2-Tetrachloroethane	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Styrene	ND	1.00									
Isopropylbenzene	ND	1.00									
Bromoform	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
n-Propylbenzene	ND	1.00									
Bromobenzene	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
2-Chlorotoluene	ND	1.00									
4-Chlorotoluene	ND	1.00									
tert-Butylbenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	2.00									
sec-Butylbenzene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
n-Butylbenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-17715** SampType: **MBLK** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **MBLKW** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722283**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloro-1,3-butadiene	ND	4.00									
Naphthalene	ND	1.00									
1,2,3-Trichlorobenzene	ND	4.00									
Surr: Dibromofluoromethane	23.6		25.00		94.4	45.4	152				
Surr: Toluene-d8	24.8		25.00		99.1	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	22.4		25.00		89.6	64.2	128				

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **1707217-025ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **GLB-6-W** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722268**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	1.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
2,2-Dichloropropane	ND	2.00						0		30	Q
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707217-025ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **GLB-6-W** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722268**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	
trans-1,3-Dichloropropylene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.250						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	
Styrene	ND	1.00						0		30	
Isopropylbenzene	ND	1.00						0		30	
Bromoform	ND	1.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
sec-Butylbenzene	ND	1.00						0		30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707217-025ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **GLB-6-W** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722268**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
n-Butylbenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	
Hexachloro-1,3-butadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	23.7		25.00		94.9	45.4	152		0		
Surr: Toluene-d8	24.1		25.00		96.3	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	22.8		25.00		91.3	64.2	128		0		

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **1707219-006BMS** SampType: **MS** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **BATCH** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722275**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	20.3	1.00	20.00	0	101	33.3	122				
Chloromethane	20.3	1.00	20.00	0	102	39.7	143				
Vinyl chloride	22.1	0.200	20.00	0	111	41	165				
Bromomethane	21.8	1.00	20.00	0	109	31.5	135				
Trichlorofluoromethane (CFC-11)	22.7	1.00	20.00	0	114	54.7	138				
Chloroethane	21.2	1.00	20.00	0	106	49.9	143				
1,1-Dichloroethene	22.0	1.00	20.00	0	110	51.6	164				
Methylene chloride	20.1	1.00	20.00	0	101	61.6	135				
trans-1,2-Dichloroethene	21.4	1.00	20.00	0	107	63.5	138				
Methyl tert-butyl ether (MTBE)	17.5	1.00	20.00	0	87.7	60.9	132				
1,1-Dichloroethane	20.5	1.00	20.00	0	103	55.7	151				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707219-006BMS** SampType: **MS** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **BATCH** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722275**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	15.5	2.00	20.00	0	77.7	37.7	150				
cis-1,2-Dichloroethene	20.6	1.00	20.00	0	103	60	154				
Chloroform	20.4	1.00	20.00	0	102	48.1	140				
1,1,1-Trichloroethane (TCA)	21.4	1.00	20.00	0	107	64.2	146				
1,1-Dichloropropene	21.6	1.00	20.00	0	108	73.8	136				
Carbon tetrachloride	21.1	1.00	20.00	0	105	62.7	146				
1,2-Dichloroethane (EDC)	18.7	1.00	20.00	0	93.7	63.4	137				
Benzene	20.9	1.00	20.00	0	104	65.4	138				
Trichloroethene (TCE)	20.7	0.500	20.00	0	104	60.4	134				
1,2-Dichloropropane	20.1	1.00	20.00	0	100	62.6	138				
Bromodichloromethane	19.8	1.00	20.00	0	98.8	59.4	139				
Dibromomethane	18.9	1.00	20.00	0	94.6	58.7	148				
cis-1,3-Dichloropropene	19.2	1.00	20.00	0	95.8	63.8	132				
Toluene	20.0	1.00	20.00	0	100	52	147				
trans-1,3-Dichloropropylene	17.4	1.00	20.00	0	86.8	57.7	125				
1,1,2-Trichloroethane	18.3	1.00	20.00	0	91.4	57.5	153				
1,3-Dichloropropane	18.7	1.00	20.00	0	93.5	54.1	157				
Tetrachloroethene (PCE)	21.5	1.00	20.00	0	107	50.3	133				
Dibromochloromethane	19.4	1.00	20.00	0	97.2	61.6	139				
1,2-Dibromoethane (EDB)	18.5	0.250	20.00	0	92.5	63.2	134				
Chlorobenzene	20.9	1.00	20.00	0	105	65.8	134				
1,1,1,2-Tetrachloroethane	20.6	1.00	20.00	0	103	65.4	135				
Ethylbenzene	21.7	1.00	20.00	0	108	64.5	136				
m,p-Xylene	42.9	1.00	40.00	0	107	63.3	135				
o-Xylene	21.2	1.00	20.00	0	106	64.8	150				
Styrene	20.4	1.00	20.00	0	102	52.9	163				
Isopropylbenzene	22.1	1.00	20.00	0	111	56	147				
Bromoform	18.3	1.00	20.00	0	91.4	57.7	139				
1,1,2,2-Tetrachloroethane	19.1	1.00	20.00	0	95.3	59.8	146				
n-Propylbenzene	22.4	1.00	20.00	0	112	57.6	142				
Bromobenzene	20.3	1.00	20.00	0	101	69.3	157				

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707219-006BMS** SampType: **MS** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **BATCH** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722275**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	21.4	1.00	20.00	0	107	59.9	136				
2-Chlorotoluene	21.3	1.00	20.00	0	107	61.7	134				
4-Chlorotoluene	20.9	1.00	20.00	0	104	58.4	134				
tert-Butylbenzene	21.8	1.00	20.00	0	109	66.8	141				
1,2,3-Trichloropropane	17.1	1.00	20.00	0	85.4	62.4	129				
1,2,4-Trichlorobenzene	18.7	2.00	20.00	0	93.6	50.9	133				
sec-Butylbenzene	22.1	1.00	20.00	0	110	56	146				
4-Isopropyltoluene	21.0	1.00	20.00	0	105	56.4	136				
1,3-Dichlorobenzene	21.1	1.00	20.00	0	106	58.2	128				
1,4-Dichlorobenzene	20.9	1.00	20.00	0	104	60.1	123				
n-Butylbenzene	21.1	1.00	20.00	0	106	54.6	135				
1,2-Dichlorobenzene	20.5	1.00	20.00	0	103	65.4	133				
1,2-Dibromo-3-chloropropane	17.4	1.00	20.00	0	87.1	51.8	142				
1,2,4-Trimethylbenzene	21.1	1.00	20.00	0	106	63.7	132				
Hexachloro-1,3-butadiene	19.5	4.00	20.00	0	97.5	58.1	130				
Naphthalene	18.0	1.00	20.00	0	90.2	50.7	154				
1,2,3-Trichlorobenzene	18.6	4.00	20.00	0	92.8	57	131				
Surr: Dibromofluoromethane	24.7		25.00		98.8	45.4	152				
Surr: Toluene-d8	24.2		25.00		97.0	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	25.4		25.00		102	64.2	128				

Sample ID **1707219-006BMSD** SampType: **MSD** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **BATCH** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722274**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	21.0	1.00	20.00	0	105	33.3	122	20.29	3.61	30	
Chloromethane	21.3	1.00	20.00	0	107	39.7	143	20.30	4.79	30	
Vinyl chloride	22.4	0.200	20.00	0	112	41	165	22.12	1.33	30	
Bromomethane	21.0	1.00	20.00	0	105	31.5	135	21.75	3.36	30	
Trichlorofluoromethane (CFC-11)	22.9	1.00	20.00	0	114	54.7	138	22.71	0.711	30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707219-006BMSD** SampType: **MSD** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **BATCH** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722274**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	21.2	1.00	20.00	0	106	49.9	143	21.23	0.254	30	
1,1-Dichloroethene	22.1	1.00	20.00	0	110	51.6	164	21.97	0.527	30	
Methylene chloride	20.2	1.00	20.00	0	101	61.6	135	20.15	0.254	30	
trans-1,2-Dichloroethene	21.4	1.00	20.00	0	107	63.5	138	21.36	0.212	30	
Methyl tert-butyl ether (MTBE)	18.1	1.00	20.00	0	90.5	60.9	132	17.54	3.13	30	
1,1-Dichloroethane	20.7	1.00	20.00	0	103	55.7	151	20.51	0.753	30	
2,2-Dichloropropane	15.5	2.00	20.00	0	77.5	37.7	150	15.54	0.252	30	
cis-1,2-Dichloroethene	20.7	1.00	20.00	0	104	60	154	20.58	0.676	30	
Chloroform	20.3	1.00	20.00	0	102	48.1	140	20.37	0.179	30	
1,1,1-Trichloroethane (TCA)	21.6	1.00	20.00	0	108	64.2	146	21.45	0.716	30	
1,1-Dichloropropene	21.8	1.00	20.00	0	109	73.8	136	21.56	1.08	30	
Carbon tetrachloride	21.3	1.00	20.00	0	106	62.7	146	21.06	0.904	30	
1,2-Dichloroethane (EDC)	18.7	1.00	20.00	0	93.7	63.4	137	18.73	0.0231	30	
Benzene	20.8	1.00	20.00	0	104	65.4	138	20.88	0.433	30	
Trichloroethene (TCE)	20.5	0.500	20.00	0	102	60.4	134	20.71	1.08	30	
1,2-Dichloropropane	19.9	1.00	20.00	0	99.5	62.6	138	20.06	0.752	30	
Bromodichloromethane	19.7	1.00	20.00	0	98.4	59.4	139	19.76	0.417	30	
Dibromomethane	18.8	1.00	20.00	0	94.2	58.7	148	18.91	0.431	30	
cis-1,3-Dichloropropene	17.8	1.00	20.00	0	89.0	63.8	132	19.16	7.38	30	
Toluene	19.9	1.00	20.00	0	99.3	52	147	20.02	0.763	30	
trans-1,3-Dichloropropylene	17.9	1.00	20.00	0	89.5	57.7	125	17.37	3.06	30	
1,1,2-Trichloroethane	18.2	1.00	20.00	0	91.0	57.5	153	18.28	0.517	30	
1,3-Dichloropropane	18.6	1.00	20.00	0	92.9	54.1	157	18.70	0.638	30	
Tetrachloroethene (PCE)	21.2	1.00	20.00	0	106	50.3	133	21.49	1.25	30	
Dibromochloromethane	19.3	1.00	20.00	0	96.7	61.6	139	19.44	0.465	30	
1,2-Dibromoethane (EDB)	18.5	0.250	20.00	0	92.3	63.2	134	18.49	0.129	30	
Chlorobenzene	20.7	1.00	20.00	0	103	65.8	134	20.90	1.16	30	
1,1,1,2-Tetrachloroethane	20.3	1.00	20.00	0	101	65.4	135	20.55	1.46	30	
Ethylbenzene	21.4	1.00	20.00	0	107	64.5	136	21.66	1.37	30	
m,p-Xylene	42.2	1.00	40.00	0	105	63.3	135	42.90	1.68	30	
o-Xylene	21.0	1.00	20.00	0	105	64.8	150	21.17	0.856	30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707219-006BMSD** SampType: **MSD** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **BATCH** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722274**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	20.1	1.00	20.00	0	100	52.9	163	20.43	1.64	30	
Isopropylbenzene	21.7	1.00	20.00	0	109	56	147	22.10	1.74	30	
Bromoform	18.1	1.00	20.00	0	90.3	57.7	139	18.28	1.26	30	
1,1,2,2-Tetrachloroethane	18.8	1.00	20.00	0	94.0	59.8	146	19.06	1.39	30	
n-Propylbenzene	22.0	1.00	20.00	0	110	57.6	142	22.42	1.86	30	
Bromobenzene	19.9	1.00	20.00	0	99.7	69.3	157	20.29	1.70	30	
1,3,5-Trimethylbenzene	20.9	1.00	20.00	0	105	59.9	136	21.37	2.12	30	
2-Chlorotoluene	20.9	1.00	20.00	0	105	61.7	134	21.35	2.11	30	
4-Chlorotoluene	20.6	1.00	20.00	0	103	58.4	134	20.85	1.12	30	
tert-Butylbenzene	21.5	1.00	20.00	0	107	66.8	141	21.77	1.28	30	
1,2,3-Trichloropropane	17.1	1.00	20.00	0	85.4	62.4	129	17.08	0.0190	30	
1,2,4-Trichlorobenzene	19.2	2.00	20.00	0	96.0	50.9	133	18.72	2.48	30	
sec-Butylbenzene	21.7	1.00	20.00	0	109	56	146	22.05	1.52	30	
4-Isopropyltoluene	20.6	1.00	20.00	0	103	56.4	136	20.96	1.73	30	
1,3-Dichlorobenzene	21.1	1.00	20.00	0	106	58.2	128	21.13	0.0497	30	
1,4-Dichlorobenzene	20.7	1.00	20.00	0	103	60.1	123	20.87	0.913	30	
n-Butylbenzene	21.2	1.00	20.00	0	106	54.6	135	21.14	0.357	30	
1,2-Dichlorobenzene	20.5	1.00	20.00	0	103	65.4	133	20.55	0.185	30	
1,2-Dibromo-3-chloropropane	17.5	1.00	20.00	0	87.7	51.8	142	17.42	0.676	30	
1,2,4-Trimethylbenzene	20.8	1.00	20.00	0	104	63.7	132	21.13	1.32	30	
Hexachloro-1,3-butadiene	19.6	4.00	20.00	0	98.2	58.1	130	19.50	0.741	30	
Naphthalene	19.4	1.00	20.00	0	97.0	50.7	154	18.04	7.33	30	
1,2,3-Trichlorobenzene	19.1	4.00	20.00	0	95.3	57	131	18.55	2.70	30	
Surr: Dibromofluoromethane	24.9		25.00		99.4	45.4	152		0		
Surr: Toluene-d8	24.2		25.00		97.0	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	25.4		25.00		101	64.2	128		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707219-023BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **BATCH** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722456**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	1.00						0		30	
Vinyl chloride	2.96	0.200						3.203	8.03	30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
2,2-Dichloropropane	ND	2.00						0		30	Q
cis-1,2-Dichloroethene	1.84	1.00						1.997	8.41	30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	
trans-1,3-Dichloropropylene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.250						0		30	

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707219-023BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **7/24/2017** RunNo: **37584**
Client ID: **BATCH** Batch ID: **17715** Analysis Date: **7/25/2017** SeqNo: **722456**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	
Styrene	ND	1.00						0		30	
Isopropylbenzene	ND	1.00						0		30	
Bromoform	ND	1.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
sec-Butylbenzene	ND	1.00						0		30	
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
n-Butylbenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	
Hexachloro-1,3-butadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	24.0		25.00		95.9	45.4	152		0		
Surr: Toluene-d8	23.4		25.00		93.6	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	23.1		25.00		92.6	64.2	128		0		

Work Order: 1707217
CLIENT: G-Logics
Project: Auburn Subaru

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1707219-023BDUP**	SampType: **DUP**			Units: **µg/L**		Prep Date: **7/24/2017**		RunNo: **37584**			
Client ID: **BATCH**	Batch ID: **17715**					Analysis Date: **7/25/2017**		SeqNo: **722456**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample Log-In Check List

Client Name:	**GL**	Work Order Number:	**1707217**
Logged by:	**Clare Griggs**	Date Received:	**7/22/2017 10:00:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☑	No ☐	Not Required ☐
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☑	NA ☐
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

19. Additional remarks:

Item Information

Item #	Temp ºC
Cooler 1	7.6
Cooler 2	4.8
Sample 1	6.4
Sample 2	3.1
Temp Blank 1	8.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Sample Log-In Check List

Client Name:	**GL**	Work Order Number:	**1707217**
Logged by:	**Clare Griggs**	Date Received:	**7/22/2017 10:00:00 AM**

Item #	Temp ºC
Temp Blank 2	2.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 7/21/17 Page: 1 of: 3

Laboratory Project No (internal): 707217

Project Name: Auburn Subaru

Special Remarks: samples from GLB-1, GLB-5, GLB-7 are 1st priority (*) edit 7/24/17 JJ

Project No: 01-1140-B

Client: G-Logics

Collected by: Karis

Address: 40 2nd Ave SE

Location: 3025 Auburn Way N

City, State, Zip: Issaquah WA ~~98502~~

Report To (PM): Rory G. & Karis V.

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Telephone:

Fax:

PM Email:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
*	1 GLB-1-5	7/21/17	0945	SOIL	X	X			X		X	X	X				
	2 GLB-1-10	"	0950	"													
	3 GLB-1-14	"	0955	"													
	4 GLB-2-4	"	1110	"					X								
	5 GLB-2-8	"	1115	"													
	6 GLB-2-11	"	1120	"													
	7 GLB-3-4	"	1155	"													
	8 GLB-3-8	"	1200	"					X								
	9 GLB-~~3~~-11	"	1205	"													
	10 GLB-4-4	"	1245	"													

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x	7/21/17 2100	x	7/22/17 10:00
Relinquished x	Date/Time	Received x	Date/Time

Turn-around Time:
- ☐ Standard
- ☐ 3 Day
- ☐ 2 Day
- ☒ Next Day
- Same Day ____ (specify)

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 7/21/17 Page: 2 of: 3

Project Name: Auburn Subaru

Project No: 01-1140-B

Collected by: Karis

Location: 3025 Auburn Way N.

Report To (PM):

PM Email:

Client: GeoEngineers

Address: 40 2nd Ave SE

City, State, Zip: Issaquah WA

Telephone:

Fax:

Laboratory Project No (internal):

Special Remarks:

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	GLB-4-8	7/21/17	1250	SOIL					X										
2	GLB-4-11	7/21/17	1255	"															
* 3	GLB-5-8	7/21/17	1415	"		X			X										
4	GLB-5-12	7/21/17	1420	"															
5	GLB-6-4	7/21/17	1600	"															
6	GLB-6-8	"	1605	"		X			X										
7	GLB-6-11	"	1610	"															
* 8	GLB-7-6	"	1715	"		X			X										
* 9	GLB-7-9	"	1720	"	X	X			X		X	X	X						
* 10	GLB-7-11	"	1725	"					X										

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x	7/21/17 2100	x	7/22/17 10:07
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☐ 2 Day
- ☒ Next Day
- Same Day _____ (specify)

Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 7/21/17 Page: 3 of: 3

Laboratory Project No (internal):

Project Name: AUBURN SURFACE

Special Remarks:

Client: GLOBALS

Project No: 01-1140-B

Address: 40 2nd AVE SE

Collected by: KARL

City, State, Zip: ISSAQUAH WA

Location: 3025 AUBURN WAY N

Telephone:

Report To (PM):

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	GLB-8-9	7/21/17	1805	SOIL						X								
2	GLB-9-9	"	1850	"						X								
* 3	GLB-1-W	"	1045	H2O	X	X				X		X	X	X				
* 4	GLB-5-W	"	1530	H2O	X	X				X				X				
5	GLB-6-W	"	1645	H2O	X	X				X				X				
* 6	GLB-7-W	"	1950	H2O	X	X				X		X	X	X				
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:

☐ Standard
☐ 3 Day
☐ 2 Day
☒ Next Day
Same Day _____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x	7/21/17 2100	x	7/22/17 10:00AM
Relinquished	Date/Time	Received	Date/Time
x		x	

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 7/21/17 | Page: 3 of: 3 | Laboratory Project No (internal): 1707197

Project Name: AUBURN SUBARU

Special Remarks:

Client: GLOBALS

Project No: 01-1140-B

Address: 740 2nd Ave SE

Collected by: KARIS

City, State, Zip: ISSAQUAH WA

Location: 3025 AUBURN WAY N

Telephone:

Report To (PM):

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	PSS Ag	Comments
1	GLB-8-9	7/21/17	1805	SOIL					X									⊗ Add Analysis 7/24/17 ASAP TAT MR
2	GLB-9-9	"	1850	"					X									
* 3	GLB-1-W	"	1045	H2O	X	X			X		X	X	X					
* 4	GLB-5-W	"	1530	H2O	X	X			X				X			⊗		
5	GLB-6-W	"	1645	H2O	X	X			X				X					
* 6	GLB-7-W	"	1950	H2O	X	X			X		X	X	X			⊗		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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Relinquished	Date/Time	Received	Date/Time
x	7/21/17 2100	x	7/22/17 10:00AM
Relinquished	Date/Time	Received	Date/Time
x		x	

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☐ 2 Day
- ☒ Next Day
- Same Day _____ (specify)

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 7/21/17 Page: 1 of: 3

Laboratory Project No (internal): 707217

Project Name: AUBURN SUBARU

Special Remarks: samples from GLB-1, GLB-5, GLB-7 are 1st priority (*) edits-7/24/17 gj

Project No: 01-1140-B

Client: G-LOGICS

Collected by: KARIS

Address: 40 2ND AVE SE

Location: 3025 AUBURN WAY N

City, State, Zip: ISSAQUAH WA ~~98502~~

Report To (PM): RORY G. & KARIS V.

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Telephone:

PM Email:

Fax:

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Other Cr			Comments
*	1 GLB-1-5	7/21/17	0945	SOIL	X	X			X		X	X	X					X			ASAP 7/25/17 gj
	2 GLB-1-10	"	0950	"																	
	3 GLB-1-14	"	0955	"																	
	4 GLB-2-4	"	1110	"					X												
	5 GLB-2-8	"	1115	"																	
	6 GLB-2-11	"	1120	"																	
	7 GLB-3-4	"	1155	"																	
	8 GLB-3-8	"	1200	"					X												
	9 GLB-3-11	"	1205	"																	
	10 GLB-4-4	"	1245	"																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished x — Date/Time 7/21/17 2100

Relinquished x — Date/Time

Received — Date/Time 7/22/17 10:00

Received x

Turn-around Time:

- ☐ Standard
- ☐ 3 Day
- ☐ 2 Day
- ☒ Next Day
- Same Day ____ (specify)

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 7/21/17 | Page: 1 of: 3 | Laboratory Project No (internal): 170717

Client: G-Logics
Address: 40 2nd Ave S
City, State, Zip: Issaquah WA ~~98027~~
Telephone:
Fax:

Project Name: Auburn Subaru
Project No: 01-1140-B
Collected by: Karis
Location: 3025 Auburn Way N
Report To (PM): Rory G. + Karis V.
PM Email:

Special Remarks: Samples from GLB-1, GLB-5, GLB-7 are 1st priority (*) edits 7/24/17 cg

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	other Cr				Comments
*	1 GLB-1-5	7/21/17	0945	Soil	X	X				X		X	X	X				X				ASAP 7/25/17 cg
	2 GLB-1-10	"	0950	"						⊗												⊗ Add per K.V. ASAP 7/25/17 cw
	3 GLB-1-14	"	0955	"																		
	4 GLB-2-4	"	1110	"						X												
	5 GLB-2-8	"	1115	"																		
	6 GLB-2-11	"	1120	"																		
	7 GLB-3-4	"	1155	"																		
	8 GLB-3-8	"	1200	"						X												
	9 GLB-~~3~~-11	"	1205	"																		
	10 GLB-4-4	"	1245	"																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
- ☐ Standard
- ☐ 3 Day
- ☐ 2 Day
- ☒ Next Day
- Same Day ____ (specify)

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Relinquished	Date/Time	Received	Date/Time
x	7/21/17 2100		7/22/17 10:00
Relinquished	Date/Time	Received	Date/Time
x		x	

ATTACHMENTS

Permission and Conditions for Use and Copying Form

Additional Soil and Groundwater Sampling
Auburn Way Property
3001 and 3025 Auburn Way N
Auburn, WA 98002

G-Logics Project 01-1140-B
August 13, 2017

G-Logics prepared the above-identified Document only for our Client and/or other user(s), as identified in the Document, for the purposes stated and subject to any identified and contractual limitations. Regulatory agencies may make additional "fair use" copies for internal and public use based on state and federal laws that do not violate copyright laws.

All other Requestors must obtain permission from G-Logics and our Client in order to avoid copyright violations. To request authorization for a copy of the Document, please read our conditions listed below, complete the Requestor section, and fax to G-Logics at 425-313-3074 for approval review.

- I recognize that G-Logics has prepared this Document only for their Client and/or other user(s), only for the purposes stated in the Document and subject to any identified and contractual limitations.
- My intended use of the Document is for general informational purposes only.
- I understand and accept that there may be limitations to the reliability of the Document's findings due to circumstances beyond the control of G-Logics, the limited scope of funding, and/or limitations inherent in the nature of the performed services.
- I agree not to rely on the Document as being comprehensive or inclusive of all possible site hazards and agree to defend, indemnify, and hold G-Logics harmless from and against any and all claims, damages, or liability which arise from or which are alleged to arise from my use of the Document. I also will compensate G-Logics for any time spent or expenses incurred by G-Logics in defense of any such claim.
- I am advised that the Document is a qualitative evaluation of site conditions and should not be used to estimate site-remediation costs. Remediation cost estimates would require additional data beyond what is presented in the Document.
- I agree not to provide the Document to any other person or organizations without prior authorization from G-Logics and their Client.

I, the Requestor, have reviewed the above-identified conditions for copying/use of the Document, am familiar with the presented limitations of the provided services, and acknowledge my understanding and concurrence, as indicated by my signature below.

Requestor's Company _____

Mailing Address _____

City, State, Zip Code _____

Contact Name & Title _____

Signature & Date _____

Telephone & Fax Numbers _____

Planned Use of Document _____

_____

_____

With your information and signature above, please fax to G-Logics (425-313-3074) for approval review. G-Logics will share your request with our Client for their approval.

Client Review and Acknowledgment of Use and Copying Request

Per the notification of G-Logics, I, the Client, have reviewed this request for copying/use of this Document, have discussed the request with G-Logics, and grant my consent as indicated by my signature below.

Client Company _____

Client Contact Name & Title _____

Signature & Date _____

Telephone & Fax Numbers _____

G-Logics review and Acknowledgment of Use and Copying Request

Based on your concurrence with the above-presented conditions, approval of our Client, and our review of the information, G-Logics allows the Requestor to copy/use the above referenced Document for purposes stated. Additional fees may apply.

G-Logics Signature _____

Title _____

Date _____