January 31, 2023

Mr. Rob Will
Freeway Properties, LLC
4724 Roosevelt Way Northeast
Seattle, Washington 98105

RE: Fourth Quarter 2022 Groundwater Monitoring Report
University VW-Audi Property
4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast
Seattle, Washington 98105
RGI Project No. 2014-068I
Ecology VCP No. NW2584

Dear Mr. Will:

The Riley Group, Inc. (RGI) has completed this Fourth Quarter 2022 Groundwater Monitoring Report for the University VW-Audi Property located at 4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington (hereafter referred to as the Property, Figures 1 to 4).

The location of all former and existing groundwater monitoring and remediation wells on the Property are illustrated on the attached Figures 2, 3, and 4. These existing wells located on the Property include the following:

- Fifteen dual phase extraction (DPE) remediation wells (DPE1 to DPE15) – 4-inch diameter wells screened somewhere between 65 feet to 20 feet below ground surface (bgs). *Note: these DPE wells were constructed for simultaneous soil vapor extraction and groundwater removal.*
- Eight soil vapor extraction (SVE) remediation wells (SVE1 to SVE8) – 2-inch diameter wells screened somewhere between 40 feet to 20 feet bgs.
- Three SVE remediation wells (SVE9 to SVE11) – 2-inch diameter wells screened somewhere between 66 feet to 18 feet bgs. These three SVE wells were converted from previously installed groundwater monitoring wells.
- Five groundwater monitoring wells (MW2, MW8, MW9, MW10, and MW11) – 2-inch diameter wells screened somewhere between 60 feet and 14 feet bgs. *Note: Groundwater monitoring well MW10 was paved over in 2015 and groundwater monitoring well MW6 was properly decommissioned in July of 2015.*

The current well status (active or decommissioned), well construction details, and well screened intervals for all wells installed on the Property are described in Table 1.

RGI installed and has been operating and maintaining a SVE and/or DPE remediation system since May of 2017 through present (for approximately 5.5 years). RGI has focused on dewatering wells DPE6 and DPE7 since April of 2021 through present (for approximately 1.75 years). However, there were several months of non-operation between 2020 and 2021 due to SVE system upgrades and other equipment replacements (slowed by the COVID-19 pandemic).

GEOLOGY AND HYDROGEOLOGIC CONDITIONS

Based on RGI's subsurface investigations and groundwater monitoring results, the geology and hydrogeological conditions underlying the property are summarized as follows:

- Soils generally consist of loose to medium dense silty Sand with gravel to depths of 10 to 20 feet bgs, underlain by dense to very dense sandy Gravel with silt to sandy Silt to depths of at least 65 feet bgs.
- Isolated perched water bearing zones were occasionally encountered at depths of somewhere between 30 to 40 feet bgs, and 50 to 65 feet bgs, at various locations. These isolated perched water bearing zones appeared to be encountered at the medium dense to very dense soil contact (between 30 and 40 feet bgs) and within more permeable (sand/gravel) horizons at somewhere between 50 to 65 feet bgs. A static groundwater bearing zone was not encountered beneath the Property – only isolated perched water bearing zones were encountered.

REGULATORY ANALYSIS OF SITE CONDITIONS UNDER MTCA

Washington State's hazardous waste cleanup law, the Model Toxics Control Act (MTCA, 70.105D RCW), mandates the necessity for site cleanups to protect human health and the environment. MTCA Cleanup Regulations (173-340 WAC) define the approach for establishing cleanup requirements for individual sites, including the establishment of cleanup standards and selection of cleanup actions.

The MTCA Cleanup Regulation provides three options for establishing generic and site-specific cleanup levels for soil and groundwater. Method A cleanup levels have been adopted for specific purposes and are intended to provide conservative cleanup levels for sites undergoing routine site characterization or cleanup actions or those sites with relatively few hazardous substances. Method B and C cleanup levels are set using a site risk assessment, which focus on the use of "reasonable maximum exposure" assumptions based on site-specific characteristics and toxicity of the contaminants of concern.

The selected groundwater cleanup levels for the Property are the MTCA Method A Cleanup Levels for Groundwater. RGI's evaluation of groundwater analytical data obtained during previous investigations indicate that these groundwater cleanup levels are sufficient to evaluate whether or not groundwater concentrations of Contaminants of Potential Concern (COPCs) on the Property are in compliance with MTCA regulations.

When no Method A groundwater cleanup level was available for a given compound, MTCA Method B groundwater cleanup levels were referenced.

MTCA Method A Cleanup Levels for groundwater, and MTCA Method B groundwater cleanup levels, collectively referred to as groundwater cleanup levels, are summarized in Table 1. Groundwater cleanup levels were obtained from the Ecology Cleanup Levels and Risk Calculation (CLARC) database.

FOURTH QUARTER 2022 GROUNDWATER MONITORING EVENT

This Fourth Quarter 2022 groundwater sampling event was performed in December of 2022 (except well SVE10, which was sampled in January of 2023). Depth to groundwater measurements were recorded at 30 of the existing groundwater monitoring wells, remediation DPE wells, and remediation SVE wells located on and off the Property.

Depth to groundwater was approximately 34 to 38 feet below well top of casing (TOC) at the shallower wells (SVE and certain monitoring wells) and ranged from approximately 45 to 48 feet below TOC at the deeper wells (DPE and certain groundwater wells). Depth to groundwater measurements below well TOC were recorded and are shown on Table 1.

Wells with adequate groundwater present were purged using a submersible pump until the well groundwater parameters stabilized within 10% for three consecutive readings. Groundwater parameters were recorded using either a Hanna or YSI Quatro water parameter meter. Groundwater parameters measured included temperature, pH, and conductivity. In general, all wells were allowed to recharge to at least 80% the initial groundwater volume prior to groundwater sample collection.

Groundwater samples were collected from wells with adequate groundwater present using a submersible pump under low flow conditions. The samples were submitted to the analytical laboratory for analyses. Groundwater samples were collected from the approximate middle of the water column under low-flow conditions.

Analytical results for the wells sampled during this sampling event are summarized in the attached Figures 3 and 4, Table 1, and discussed below.

A total of 20 wells had adequate groundwater for sampling and analysis. These wells consisted of DPE1 to DPE4, DPE6 to DPE15, SVE7, SVE8, SVE10, SVE11 (MW3), MW8, and MW11. *However, well SVE8 was unable to be sampled due to a bend in the well casing which prevented the pump from reaching the groundwater in well SVE8.*

These 19 groundwater monitoring, SVE, and DPE wells were sampled and analyzed for one or more of the following:

- Gasoline-range total petroleum hydrocarbon (TPH) using Northwest Test Method NWTPH-Gx.
- Diesel- and oil-range TPH using Northwest Test Method NWTPH-Dx without silica gel cleanup.
- Benzene, toluene, ethyl benzene, and total xylenes (BTEX) using EPA Test Method 8021B.
- Gasoline Target volatile organic compounds (VOCs) by EPA Method 8260D Dual Acquisition (including hexane, MTBE (Methyl t-butyl ether); EDC (1,2-Dichloroethane), EDB (1,2-Dibromoethane), and/or naphthalene.
- Full suite of VOCs by EPA Method 8260D (DPE11 only).

The wells DPE5, SVE2 to SVE6, SVE9, MW2, and MW9 were considered dry wells based on current and/or historical measurements and data.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results are summarized in the attached Figures 3 and 4, Table 1, and discussed below. Laboratory analytical reports and associated sample chain of custody forms are included in Appendix A. Groundwater sampling information logs are summarized in Appendix B.

Gasoline-range TPH

All 19 groundwater samples were analyzed for gasoline-range TPH. Concentrations ranged from non-detect to 6,000 µg/L. The greatest gasoline-range TPH concentration in groundwater was detected in well DPE6.

Two of the 19 groundwater samples (DPE2 and DPE6) had concentrations above the applicable MTCA Method A Cleanup Level of 800 µg/L (detected at 1,100 and 6,000 µg/L, respectively).

The remaining 17 groundwater samples had concentrations below their applicable cleanup level, or were not detected at the analytical laboratory Practical Quantification Limit (PQL).

Diesel-range TPH

Seventeen of the 19 samples were analyzed for diesel-range TPH. Concentrations ranged from non-detect to 2,800x µg/L. The greatest diesel- and-oil-range TPH concentration in groundwater was detected in well DPE2.

Six of the 17 groundwater samples (DPE1, DPE2, DPE3, DPE6, DPE7, and DPE11) analyzed for diesel-range TPH had concentrations above the applicable MTCA Method A Cleanup Level of 500 µg/L (ranging from 770x to 2,800x µg/L). However, all groundwater samples analyzed for diesel-range TPH were flagged "x" by the laboratory chemist since the sample chromatographic pattern did not resemble the fuel standard used for quantitation.

The remaining 11 groundwater samples analyzed for diesel-range TPH had concentrations below their applicable cleanup level, or were not detected at the analytical laboratory PQL.

Oil-range TPH

Seventeen of the 19 samples were analyzed for oil-range TPH. Concentrations ranged from non-detect to 380x µg/L.

None of the 17 groundwater samples analyzed for oil-range TPH had concentrations above the applicable MTCA Method A Cleanup Level of 500 µg/L. However, these samples were flagged "x" by the laboratory chemist since the sample chromatographic pattern did not resemble the fuel standard used for quantitation quantification.

Benzene

All 19 groundwater samples were analyzed for benzene. Concentrations ranged from non-detect to 140 µg/L. The greatest benzene concentration in groundwater was detected in well DPE6.

Two of the 19 groundwater samples (DPE2 and DPE6) had concentrations above the applicable MTCA Method A Cleanup Level of 5 µg/L (detected at 18 and 140 µg/L, respectively).

The remaining 17 groundwater samples had concentrations below their applicable cleanup level, or were not detected at the analytical laboratory PQL.

Toluene

All 19 groundwater samples were analyzed for toluene. Concentrations ranged from non-detect to 26 µg/L. None of the 19 groundwater samples had concentrations above the applicable MTCA Method A Cleanup Level of 1,000 µg/L, or were not detected at the analytical laboratory PQL.

Ethylbenzene

All 19 groundwater samples were analyzed for ethylbenzene. Concentrations ranged from non-detect to 340 µg/L. None of the 19 groundwater samples had concentrations above the applicable MTCA Method A Cleanup Level of 700 µg/L, or were not detected at the analytical laboratory PQL.

Total xylenes

All 19 groundwater samples were analyzed for total xylenes. Concentrations ranged from non-detect to 950 µg/L (DPE6). None of the 19 groundwater samples had concentrations above the applicable MTCA Method A Cleanup Level of 1,000 µg/L, or were not detected at the analytical laboratory PQL.

Naphthalene

Five of the 19 groundwater samples were analyzed for naphthalene. Concentrations ranged from non-detect to 34 µg/L. None of the five groundwater samples had concentrations above the applicable MTCA Method A Cleanup Level of 160 µg/L, or were not detected at the analytical laboratory PQL.

Other VOCs

Two of the 19 groundwater samples were analyzed for gasoline target VOCs (DPE2 and DPE6) and one of the 19 groundwater samples was analyzed for the full suite of VOCs (DPE11). None of the three groundwater samples had concentrations of the VOCs analyzed above their applicable MTCA Method A Cleanup Levels, or were not detected at the analytical laboratory PQL.

Summary of Findings

In summary, the concentrations of groundwater contaminants of concern across the Property have significantly reduced across the Property since the SVE system was activated in 2017 and groundwater dewatering began in 2021.

Six of the 19 wells sampled (DPE1, DPE2, DPE3, DPE6, DPE7, and DPE11) had the following elevated groundwater concentrations:

- Groundwater samples collected from DPE1, DPE3, DPE7, and DPE11 had only elevated diesel-range TPH concentrations ranging from 760x to 1,100x µg/L (above the applicable cleanup level of 500 µg/L).
- Groundwater samples collected from DPE2 and DPE6 had elevated gasoline-range TPH (ranging from 1,000 to 6,000 µg/L); benzene (ranging from 18 to 140 µg/L), and diesel-range TPH (ranging from 2,600x to 2,800x µg/L). The gasoline-range TPH, benzene, and diesel-range TPH cleanup levels are 800 µg/L, 5 µg/L, and 500 µg/L, respectively.

The wells with elevated gasoline-range TPH, BTEX, and diesel- and oil-range TPH groundwater concentrations during this Fourth Quarter 2022 groundwater monitoring event are the same wells sampled and analyzed back in 2019 and in 2020. However, the Property wells still having the greatest concentrations include DPE2, DPE6, and DPE7 (which are all located east of the concrete alley on the south portion). Again, we are seeing a continued reduction in concentrations over time.

According to the analytical laboratory chemist, the elevated diesel- and oil-range TPH (flagged "x") concentrations historically detected in groundwater at wells DPE1 to DPE3, DPE6, and DPE7 are likely related to the degradation of petroleum hydrocarbons to non-petroleum organic metabolites. However, the diesel- range TPH concentration in groundwater at well DPE6 may include water soluble diesel-range TPH (which is located in the general vicinity of a former heating oil UST). These five DPE wells are all located east of the concrete alley – in the vicinity of a former UST –adjacent to the renovated Audi showroom.

PROJECT LIMITATIONS

This report is the property of RGI, Mr. Rob Will, Freeway Properties LLC, and their representatives and was prepared in a manner consistent with the level of skill and care ordinarily exercised by members of the profession currently practicing in the same locality and under similar conditions. This report is intended for specific application to 4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington. No other warranty, expressed or implied, is made.

If you have any questions or need additional information, please contact the undersigned at (425) 415-0551.

Respectfully submitted,

THE RILEY GROUP, INC.

Tait S. Russell, LG
Project Geologist

Paul D. Riley, LG, LHG
Principal

Attachments

Figure 1, Property Vicinity Map

Figure 2, Property Plan Showing Existing and/or Former Well and Boring Locations

Figure 3, Summary of Groundwater Laboratory Results - Select Wells

Figure 4, Summary of Groundwater Laboratory Results - Other Wells

Table 1, Summary of Groundwater Monitoring Well and DPE/SVE Remediation Well Sampling and Analytical Laboratory Results

Appendix A, 4th Quarter 2022 Analytical Laboratory Reports and Sample Chain of Custody Forms

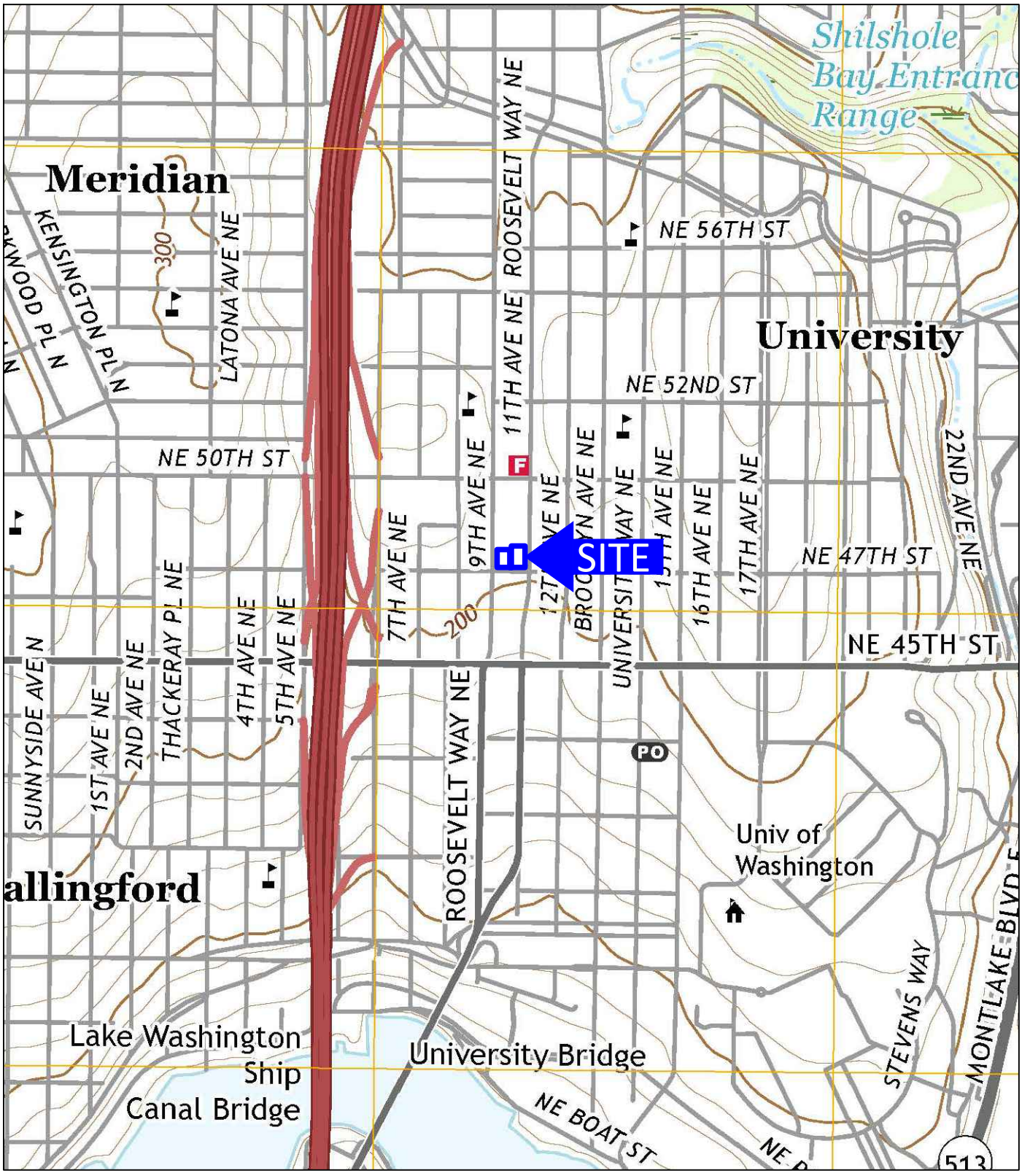
Appendix B, 4th Quarter 2022 Groundwater Sampling Information Logs

Distribution

Rob Will – Freeway Properties, LLC (PDF)

Miles Richardson – Freeway Properties, LLC (PDF)

Sonia Fernandez – Washington State Department of Ecology (PDF)



USGS, 2017, Seattle North, Washington
7.5-Minute Quadrangle

Approximate Scale: 1"=1000'

0 500 1000 2000

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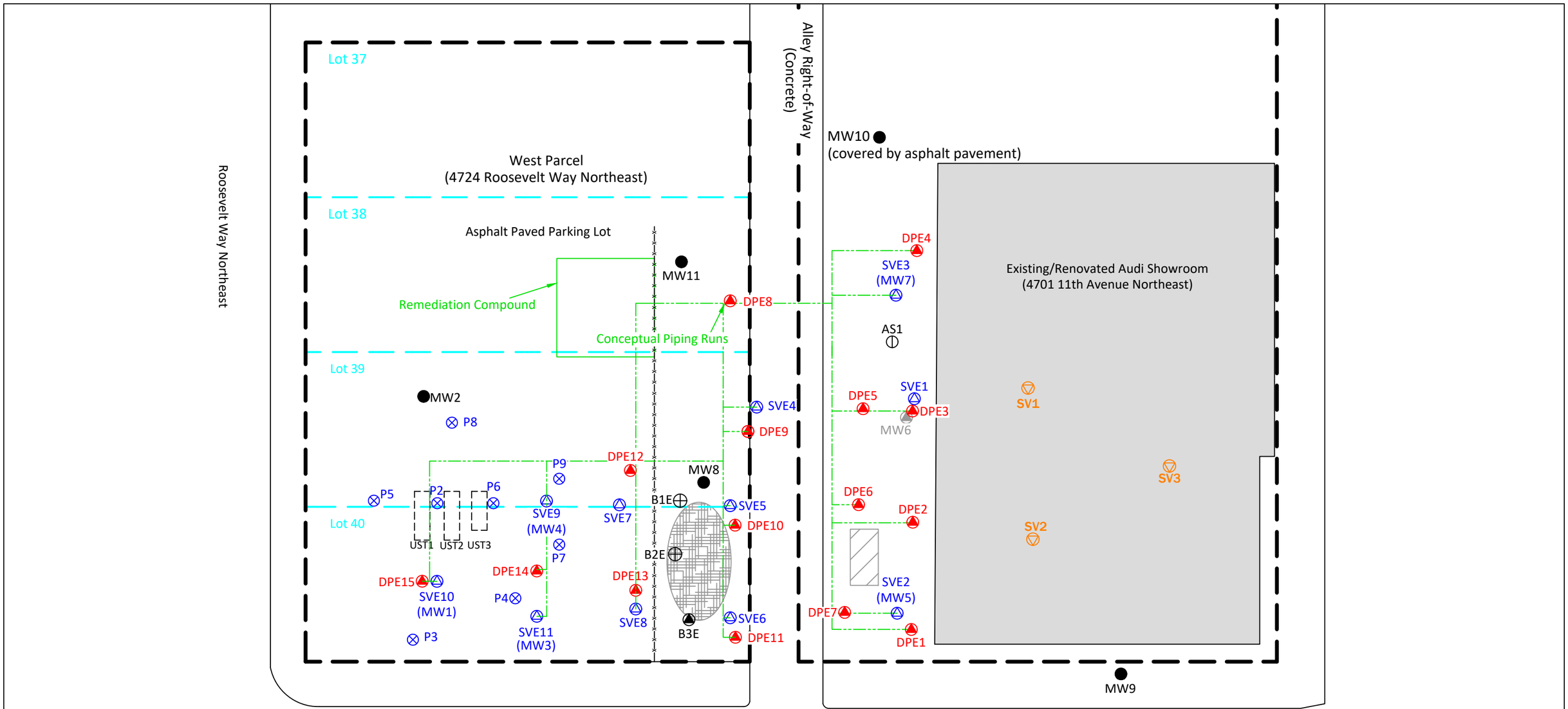
University VW - Audi Property		Figure 1
RGI Project Number 2014-068I	Property Vicinity Map	Date Drawn: 01/2023
Address: 4724 Roosevelt Way Northeast & 4701 11th Avenue Northeast, Seattle, Washington 98105		



= (in green) Horizontal lines connected to DPE/SVE remediation wells
= (in red) Dual Phase Extraction (DPE) remediation wells installed by RGI in 2015.
= (in blue) Soil Vapor Extraction (SVE) remediation wells installed by RGI in 2015. Some SVE wells were converted from groundwater monitoring wells (as indicated)
= (in orange) Former sub-slab soil vapor temp point installed by RGI in 2015.
= (in black) Existing groundwater well location installed by RGI in 2014 and 2015.
= (in black) Air sparge point installed by RGI in 2014.
= (in blue) Test probe location by RGI in 2014.
= Previous soil boring location by others.
= Former groundwater monitoring well properly decomissioned in July 2015.
= Existing groundwater monitoring well location by others.
= Reported location of former 4,000 gallon diesel UST reportedly removed by others in the early 1990's.
= Former gasoline UST location removed and partial cleanup performed in 1993 by others.
= Former gasoline USTs removed by RGI in 2016.
= Fence
= Property boundary

Approximate Scale: 1"=20'
0 10 20 40
N

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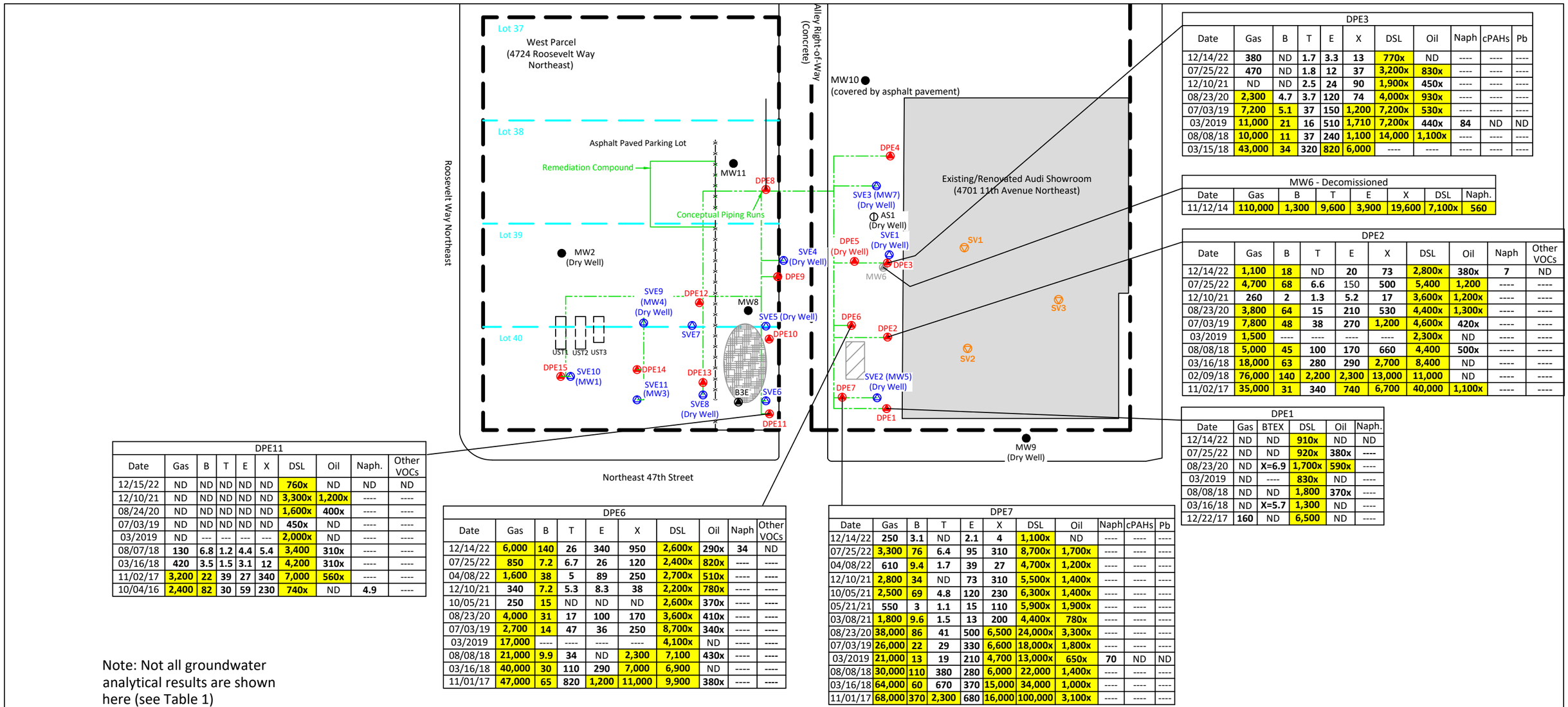
University VW - Audi Property		Figure 2
RGI Project Number 2014-068I	Property Plan Showing Existing and/or Former Wells and Borings	Date Drawn: 01/2023
Address: 4724 Roosevelt Way Northeast & 4701 11th Avenue Northeast, Seattle, Washington 98105		



DPE11									
Date	Gas	B	T	E	X	DSL	Oil	Naph.	Other VOCs
12/15/22	ND	ND	ND	ND	ND	**760x**	ND	ND	ND
12/10/21	ND	ND	ND	ND	ND	**3,300x**	**1,200x**	----	----
08/24/20	ND	ND	ND	ND	ND	**1,600x**	**400x**	----	----
07/03/19	ND	ND	ND	ND	ND	**450x**	ND	----	----
03/2019	ND	---	---	---	---	**2,000x**	ND	----	----
08/07/18	**130**	**6.8**	**1.2**	**4.4**	**5.4**	**3,400**	**310x**	----	----
03/16/18	**420**	**3.5**	**1.5**	**3.1**	**12**	**4,200**	**310x**	----	----
11/02/17	**3,200**	**22**	**39**	**27**	**340**	**7,000**	**560x**	----	----
10/04/16	**2,400**	**82**	**30**	**59**	**230**	**740x**	ND	**4.9**	----

DPE6									
Date	Gas	B	T	E	X	DSL	Oil	Naph	Other VOCs
12/14/22	**6,000**	**140**	**26**	**340**	**950**	**2,600x**	**290x**	**34**	ND
07/25/22	**850**	**7.2**	**6.7**	**26**	**120**	**2,400x**	**820x**	----	----
04/08/22	**1,600**	**38**	**5**	**89**	**250**	**2,700x**	**510x**	----	----
12/10/21	**340**	**7.2**	**5.3**	**8.3**	**38**	**2,200x**	**780x**	----	----
10/05/21	**250**	**15**	ND	ND	ND	**2,600x**	**370x**	----	----
08/23/20	**4,000**	**31**	**17**	**100**	**170**	**3,600x**	**410x**	----	----
07/03/19	**2,700**	**14**	**47**	**36**	**250**	**8,700x**	**340x**	----	----
03/2019	**17,000**	----	----	----	----	**4,100x**	ND	----	----
08/08/18	**21,000**	**9.9**	**34**	ND	**2,300**	**7,100**	**430x**	----	----
03/16/18	**40,000**	**30**	**110**	**290**	**7,000**	**6,900**	ND	----	----
11/01/17	**47,000**	**65**	**820**	**1,200**	**11,000**	**9,900**	**380x**	----	----

DPE7										
Date	Gas	B	T	E	X	DSL	Oil	Naph	cPAHs	Pb
12/14/22	**250**	**3.1**	ND	**2.1**	**4**	**1,100x**	ND	----	----	----
07/25/22	**3,300**	**76**	**6.4**	**95**	**310**	**8,700x**	**1,700x**	----	----	----
04/08/22	**610**	**9.4**	**1.7**	**39**	**27**	**4,700x**	**1,200x**	----	----	----
12/10/21	**2,800**	**34**	ND	**73**	**310**	**5,500x**	**1,400x**	----	----	----
10/05/21	**2,500**	**69**	**4.8**	**120**	**230**	**6,300x**	**1,400x**	----	----	----
05/21/21	**550**	**3**	**1.1**	**15**	**110**	**5,900x**	**1,900x**	----	----	----
03/08/21	**1,800**	**9.6**	**1.5**	**13**	**200**	**4,400x**	**780x**	----	----	----
08/23/20	**38,000**	**86**	**41**	**500**	**6,500**	**24,000x**	**3,300x**	----	----	----
07/03/19	**26,000**	**22**	**29**	**330**	**6,600**	**18,000x**	**1,800x**	----	----	----
03/2019	**21,000**	**13**	**19**	**210**	**4,700**	**13,000x**	**650x**	**70**	ND	ND
08/08/18	**30,000**	**110**	**380**	**280**	**6,000**	**22,000**	**1,400x**	----	----	----
03/16/18	**64,000**	**60**	**670**	**370**	**15,000**	**34,000**	**1,000x**	----	----	----
11/01/17	**68,000**	**370**	**2,300**	**680**	**16,000**	**100,000**	**3,100x**	----	----	----

DPE3										
Date	Gas	B	T	E	X	DSL	Oil	Naph	cPAHs	Pb
12/14/22	**380**	ND	**1.7**	**3.3**	**13**	**770x**	ND	----	----	----
07/25/22	**470**	ND	**1.8**	**12**	**37**	**3,200x**	**830x**	----	----	----
12/10/21	ND	ND	**2.5**	**24**	**90**	**1,900x**	**450x**	----	----	----
08/23/20	**2,300**	**4.7**	**3.7**	**120**	**74**	**4,000x**	**930x**	----	----	----
07/03/19	**7,200**	**5.1**	**37**	**150**	**1,200**	**7,200x**	**530x**	----	----	----
03/2019	**11,000**	**21**	**16**	**510**	**1,710**	**7,200x**	**440x**	**84**	ND	ND
08/08/18	**10,000**	**11**	**37**	**240**	**1,100**	**14,000**	**1,100x**	----	----	----
03/15/18	**43,000**	**34**	**320**	**820**	**6,000**	----	----	----	----	----

MW6 - Decomissioned							
Date	Gas	B	T	E	X	DSL	Naph.
11/12/14	**110,000**	**1,300**	**9,600**	**3,900**	**19,600**	**7,100x**	**560**

DPE2									
Date	Gas	B	T	E	X	DSL	Oil	Naph	Other VOCs
12/14/22	**1,100**	**18**	ND	**20**	**73**	**2,800x**	**380x**	**7**	ND
07/25/22	**4,700**	**68**	**6.6**	150	**500**	**5,400**	**1,200**	----	----
12/10/21	**260**	**2**	**1.3**	**5.2**	**17**	**3,600x**	**1,200x**	----	----
08/23/20	**3,800**	**64**	**15**	**210**	**530**	**4,400x**	**1,300x**	----	----
07/03/19	**7,800**	**48**	**38**	**270**	**1,200**	**4,600x**	**420x**	----	----
03/2019	**1,500**	----	----	----	----	**2,300x**	ND	----	----
08/08/18	**5,000**	**45**	**100**	**170**	**660**	**4,400**	**500x**	----	----
03/16/18	**18,000**	**63**	**280**	**290**	**2,700**	**8,400**	ND	----	----
02/09/18	**76,000**	**140**	**2,200**	**2,300**	**13,000**	**11,000**	ND	----	----
11/02/17	**35,000**	**31**	**340**	**740**	**6,700**	**40,000**	**1,100x**	----	----

DPE1					
Date	Gas	BTEX	DSL	Oil	Naph.
12/14/22	ND	ND	**910x**	ND	ND
07/25/22	ND	ND	**920x**	**380x**	**----**
08/23/20	ND	**X=6.9**	**1,700x**	**590x**	----
03/2019	ND	----	**830x**	ND	----
08/08/18	ND	ND	**1,800**	**370x**	----
03/16/18	ND	**X=5.7**	**1,300**	ND	----
12/22/17	**160**	ND	**6,500**	ND	----

Note: Not all groundwater analytical results are shown here (see Table 1)

= (in green) Horizontal SVE piping connected to DPE/SVE remediation wells.
= (in red) Dual Phase Extraction (DPE) remediation wells installed by RGI in 2015.
= (in orange) Former sub-slab soil vapor temp point installed by RGI in 2015.
= (in blue) Soil Vapor Extraction (SVE) remediation wells installed by RGI in 2015.
Some SVE wells were converted from groundwater monitoring wells (as indicated).
= (in black) Air sparge point installed by RGI in 2014.
= (in black) Existing groundwater well location installed by RGI in 2014 and 2015.
= Former groundwater monitoring well properly decomissioned in July 2015.
= Existing groundwater monitoring well location by others
= Reported location of former 4,000 gallon diesel UST reportedly removed by others in the early 1990's.
= Former gasoline UST location removed and partial cleanup performed in 1993 by others.
= Former gasoline USTs removed by RGI in 2016.
= Fence
= Property boundary

= Groundwater Analytical Laboratory Results in ug/L;
Gas/DSL/Oil = Gasoline/diesel/oil total petroleum hydrocarbons
BTEX = Benzene, toluene, ethylbenzene, xylenes
Naph. = Naphthalene, cPAHs = Carcinogenic polycyclic aromatic hydrocarbons, Pb = Dissolved lead
ND = Not detected above laboratory detection limits, ---- = Not analyzed
Yellow and bold highlight indicate results exceed MTCA Method A or B Screening Levels.
x = The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Approximate Scale: 1"=30'
0 15 30 60
N

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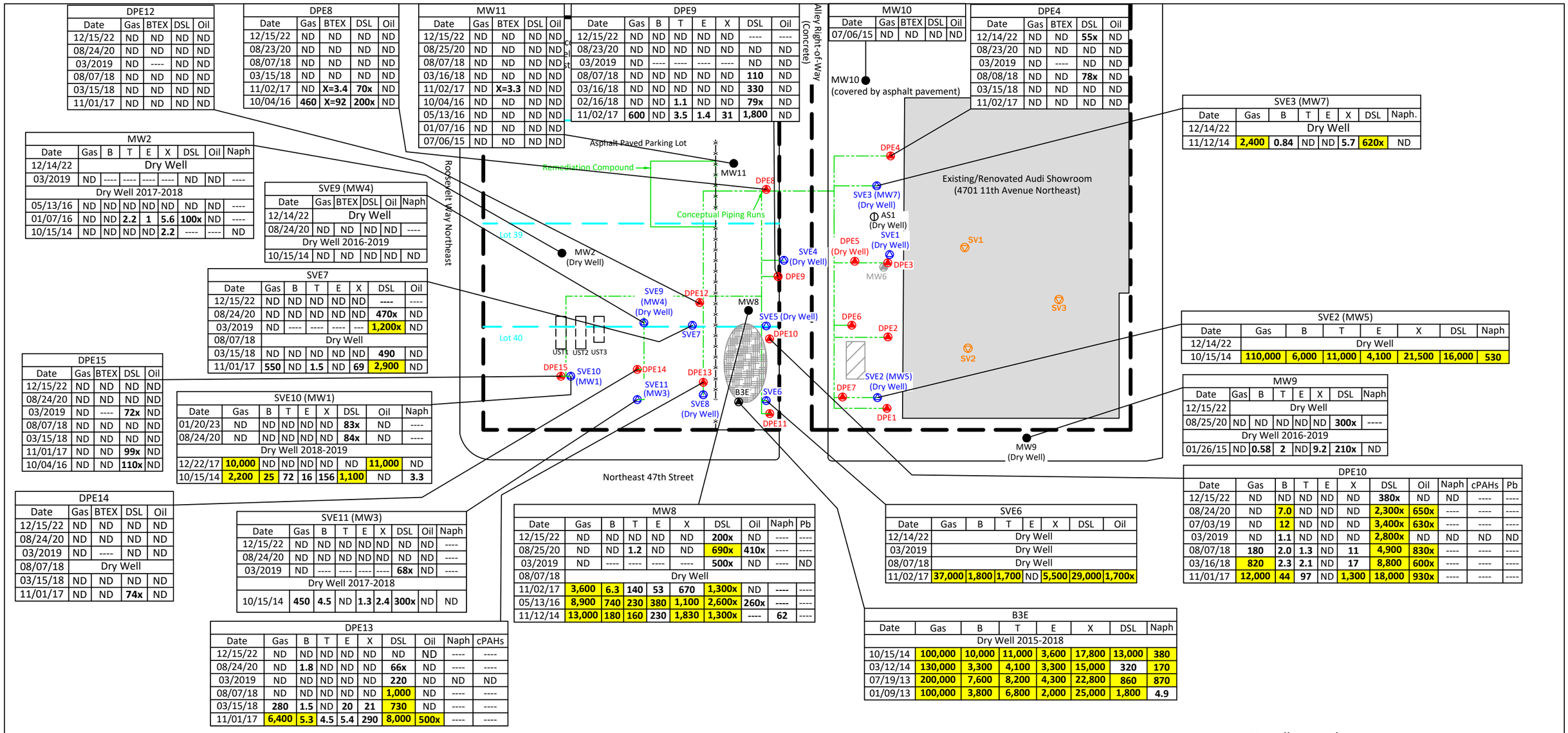
University VW - Audi Property | Figure 3
RGI Project Number 2014-068I | Summary of Groundwater Laboratory Results - Select Wells | Date Drawn: 01/2023
Address: 4724 Roosevelt Way Northeast & 4701 11th Avenue Northeast, Seattle, Washington 98105



DPE12				
Date	Gas	BTEX	DSL	Oil
12/15/22	ND	ND	ND	ND
08/24/20	ND	ND	ND	ND
03/2019	ND	----	ND	ND
08/07/18	ND	ND	ND	ND
03/15/18	ND	ND	ND	ND
11/01/17	ND	ND	ND	ND

DPE8				
Date	Gas	BTEX	DSL	Oil
12/15/22	ND	ND	ND	ND
08/23/20	ND	ND	ND	ND
08/07/18	ND	ND	ND	ND
03/15/18	ND	ND	ND	ND
11/02/17	ND	**X=3.4**	**70x**	ND
10/04/16	**460**	**X=92**	**200x**	ND

MW11				
Date	Gas	BTEX	DSL	Oil
12/15/22	ND	ND	ND	ND
08/25/20	ND	ND	ND	ND
08/07/18	ND	ND	ND	ND
03/16/18	ND	ND	ND	ND
11/02/17	ND	**X=3.3**	ND	ND
10/04/16	ND	ND	ND	ND
05/13/16	ND	ND	ND	ND
01/07/16	ND	ND	ND	ND
07/06/15	ND	ND	ND	ND

DPE9							
Date	Gas	B	T	E	X	DSL	Oil
12/15/22	ND	ND	ND	ND	ND	----	----
08/23/20	ND	ND	ND	ND	ND	ND	ND
03/2019	ND	----	----	----	----	ND	ND
08/07/18	ND	ND	ND	ND	ND	**110**	ND
03/16/18	ND	ND	ND	ND	ND	**330**	ND
02/16/18	ND	ND	**1.1**	ND	ND	**79x**	ND
11/02/17	**600**	ND	**3.5**	**1.4**	**31**	**1,800**	ND

MW10				
Date	Gas	BTEX	DSL	Oil
07/06/15	ND	ND	ND	ND

DPE4				
Date	Gas	BTEX	DSL	Oil
12/14/22	ND	ND	**55x**	ND
08/23/20	ND	ND	ND	ND
03/2019	ND	----	ND	ND
08/08/18	ND	ND	**78x**	ND
03/15/18	ND	ND	ND	ND
11/02/17	ND	ND	ND	ND

SVE3 (MW7)							
Date	Gas	B	T	E	X	DSL	Naph.
12/14/22	Dry Well						
11/12/14	**2,400**	**0.84**	ND	ND	**5.7**	**620x**	ND

MW2								
Date	Gas	B	T	E	X	DSL	Oil	Naph
12/14/22	Dry Well							
03/2019	ND	----	----	----	----	ND	ND	----
Dry Well 2017-2018								
05/13/16	ND	ND	ND	ND	ND	ND	ND	----
01/07/16	ND	ND	**2.2**	**1**	**5.6**	**100x**	ND	----
10/15/14	ND	ND	ND	ND	**2.2**	----	----	ND

SVE9 (MW4)					
Date	Gas	BTEX	DSL	Oil	Naph
12/14/22	Dry Well				
08/24/20	ND	ND	ND	ND	----
Dry Well 2016-2019					
10/15/14	ND	ND	ND	ND	ND

SVE7							
Date	Gas	B	T	E	X	DSL	Oil
12/15/22	ND	ND	ND	ND	ND	----	----
08/24/20	ND	ND	ND	ND	ND	**470x**	ND
03/2019	ND	----	----	----	---	**1,200x**	ND
08/07/18	Dry Well						
03/15/18	ND	ND	ND	ND	ND	**490**	ND
11/01/17	**550**	ND	**1.5**	ND	**69**	**2,900**	ND

SVE2 (MW5)							
Date	Gas	B	T	E	X	DSL	Naph
12/14/22	Dry Well						
10/15/14	**110,000**	**6,000**	**11,000**	**4,100**	**21,500**	**16,000**	**530**

MW9							
Date	Gas	B	T	E	X	DSL	Naph
12/15/22	Dry Well						
08/25/20	ND	ND	ND	ND	ND	**300x**	----
Dry Well 2016-2019							
01/26/15	ND	**0.58**	**2**	ND	**9.2**	**210x**	ND

DPE15				
Date	Gas	BTEX	DSL	Oil
12/15/22	ND	ND	ND	ND
08/24/20	ND	ND	ND	ND
03/2019	ND	----	**72x**	ND
08/07/18	ND	ND	ND	ND
03/15/18	ND	ND	ND	ND
11/01/17	ND	ND	**99x**	ND
10/04/16	ND	ND	**110x**	ND

SVE10 (MW1)								
Date	Gas	B	T	E	X	DSL	Oil	Naph
01/20/23	ND	ND	ND	ND	ND	**83x**	ND	----
08/24/20	ND	ND	ND	ND	ND	**84x**	ND	----
Dry Well 2018-2019								
12/22/17	**10,000**	ND	ND	ND	ND	ND	**11,000**	ND
10/15/14	**2,200**	**25**	**72**	**16**	**156**	**1,100**	ND	**3.3**

DPE10										
Date	Gas	B	T	E	X	DSL	Oil	Naph	cPAHs	Pb
12/15/22	ND	ND	ND	ND	ND	**380x**	ND	ND	----	----
08/24/20	ND	**7.0**	ND	ND	ND	**2,300x**	**650x**	----	----	----
07/03/19	ND	**12**	ND	ND	ND	**3,400x**	**630x**	----	----	----
03/2019	ND	**1.1**	ND	ND	ND	**2,800x**	ND	ND	ND	ND
08/07/18	**180**	**2.0**	**1.3**	ND	**11**	**4,900**	**830x**	----	----	----
03/16/18	**820**	**2.3**	**2.1**	ND	**17**	**8,800**	**600x**	----	----	----
11/01/17	**12,000**	**44**	**97**	ND	**1,300**	**18,000**	**930x**	----	----	----

DPE14				
Date	Gas	BTEX	DSL	Oil
12/15/22	ND	ND	ND	ND
08/24/20	ND	ND	ND	ND
03/2019	ND	----	ND	ND
08/07/18	Dry Well			
03/15/18	ND	ND	ND	ND
11/01/17	ND	ND	**74x**	ND

SVE11 (MW3)								
Date	Gas	B	T	E	X	DSL	Oil	Naph
12/15/22	ND	ND	ND	ND	ND	ND	ND	----
08/24/20	ND	ND	ND	ND	ND	ND	ND	----
03/2019	ND	----	----	----	----	**68x**	ND	----
Dry Well 2017-2018								
10/15/14	**450**	**4.5**	ND	**1.3**	**2.4**	**300x**	ND	ND

MW8									
Date	Gas	B	T	E	X	DSL	Oil	Naph	Pb
12/15/22	ND	ND	ND	ND	ND	**200x**	ND	----	----
08/25/20	ND	ND	**1.2**	ND	ND	**690x**	**410x**	----	----
03/2019	ND	----	----	----	----	**500x**	ND	----	ND
08/07/18	Dry Well								
11/02/17	**3,600**	**6.3**	**140**	**53**	**670**	**1,300x**	ND	----	----
05/13/16	**8,900**	**740**	**230**	**380**	**1,100**	**2,600x**	**260x**	----	----
11/12/14	**13,000**	**180**	**160**	**230**	**1,830**	**1,300x**	----	**62**	----

SVE6							
Date	Gas	B	T	E	X	DSL	Oil
12/14/22	Dry Well						
03/2019	Dry Well						
08/07/18	Dry Well						
11/02/17	**37,000**	**1,800**	**1,700**	ND	**5,500**	**29,000**	**1,700x**

DPE13									
Date	Gas	B	T	E	X	DSL	Oil	Naph	cPAHs
12/15/22	ND	ND	ND	ND	ND	ND	ND	----	----
08/24/20	ND	**1.8**	ND	ND	ND	**66x**	ND	----	----
03/2019	ND	ND	ND	ND	ND	**220**	ND	ND	ND
08/07/18	ND	ND	ND	ND	ND	**1,000**	ND	----	----
03/15/18	**280**	**1.5**	ND	**20**	**21**	**730**	ND	----	----
11/01/17	**6,400**	**5.3**	**4.5**	**5.4**	**290**	**8,000**	**500x**	----	----

B3E							
Date	Gas	B	T	E	X	DSL	Naph
Dry Well 2015-2018							
10/15/14	**100,000**	**10,000**	**11,000**	**3,600**	**17,800**	**13,000**	**380**
03/12/14	**130,000**	**3,300**	**4,100**	**3,300**	**15,000**	**320**	**170**
07/19/13	**200,000**	**7,600**	**8,200**	**4,300**	**22,800**	**860**	**870**
01/09/13	**100,000**	**3,800**	**6,800**	**2,000**	**25,000**	**1,800**	**4.9**

= (in green) Horizontal SVE piping connected to DPE/SVE remediation wells.
= (in red) Dual Phase Extraction (DPE) remediation wells installed by RGI in 2015.
= (in orange) Former sub-slab soil vapor temp point installed by RGI in 2015.
= (in blue) Soil Vapor Extraction (SVE) remediation wells installed by RGI in 2015.
Some SVE wells were converted from groundwater monitoring wells (as indicated).
= (in black) Air sparge point installed by RGI in 2014.
= (in black) Existing groundwater well location installed by RGI in 2014 and 2015.
= Former groundwater monitoring well properly decomissioned in July 2015.
= Existing groundwater monitoring well location by others
= Reported location of former 4,000 gallon diesel UST reportedly removed by others in the early 1990's.
= Former gasoline UST location removed and partial cleanup performed in 1993 by others.
= Former gasoline USTs removed by RGI in 2016.
= Fence
= Property boundary

= Groundwater Analytical Laboratory Results in ug/L;
Gas/DSL/Oil = Gasoline/diesel/oil total petroleum hydrocarbons
BTEX = Benzene, toluene, ethylbenzene, xylenes
Naph. = Naphthalene, cPAHs = Carcinogenic polycyclic aromatic hydrocarbons, Pb = Dissolved lead
ND = Not detected above laboratory detection limits, ---- = Not analyzed
Yellow and bold highlight indicate results exceed MTCA Method A or B Screening Levels.
x = The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Note: Not all groundwater analytical results are shown here (see Table 1)

Approximate Scale: 1"=30'
0 15 30 60
N

RILEYGROUP
Corporate Office
17522 Bothell Way Northeast
Bothell, Washington 98011
Phone: 425.415.0551
Fax: 425.415.0311

University VW - Audi Property | Figure 4

RGI Project Number: 2014-068I

Summary of Groundwater Laboratory Results - Other Wells

Date Drawn: 01/2023

Address: 4724 Roosevelt Way Northeast & 4701 11th Avenue Northeast, Seattle, Washington 98105

Table 1, Page 1 of 11. Summary of Groundwater Monitoring Well and DPE/SVE Remediation Well Sampling and Analytical Laboratory Results
University VW - Audi Property
4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington 98105
The Riley Group, Inc. Project No. 2014-068I

Sample Number	Sample Date	Top of Casing Elevation (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)	PID	Gasoline TPH	BTEX				Diesel TPH	Oil TPH	VOCs Not Included in TPH Screening Level Calculations	Naph.	cPAHs	Total Metals								Dissolved Metals							
							B	T	E	X						As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag
DPE1	Screened Interval 65-40 ft bgs, Total boring depth 65 ft bgs																													
DPE1	12/14/22	204.51	46.87	157.64	----	ND<100	ND<1	ND<1	ND<1	ND<3	910 x	ND<250	----	ND<1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/25/22	204.51	45.28	159.23	----	ND<100	ND<1	ND<1	ND<1	ND<3	920 x	380 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/23/20	204.51	51.05	153.46	----	ND<100	ND<1	ND<1	ND<1	6.9	1,700 x	590 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	204.51	53.80	150.71	----	ND<100	----	----	----	----	830 x	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	204.51	56.53	147.98	----	ND<100	ND<1	ND<1	ND<1	ND<3	1,800	370 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/16/18	204.51	57.89	146.62	----	ND<100	ND<1	ND<1	ND<1	5.7	1,300	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/09/18	204.51	56.9	147.61	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	WELL REHAB 2/9/2018																														
	12/22/17	204.51	56.12	148.39	----	160	ND<1.0	ND<1.0	ND<1.0	ND<3.0	6,500	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/02/17	204.51	51.38	153.13	17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	204.51	50.31	154.20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	204.51	51.31	153.20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	204.51	dry well		33.8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/13/16	204.51	dry well		0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	204.51	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	204.51	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE2	Screened Interval 65-40 ft bgs, Total boring depth 65 ft bgs																														
DPE2	12/14/22	204.33	46.95	157.38	----	1,100	18	ND<5	20	73	2,800 x	380 x	ND	7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/25/22	204.33	45.34	158.99	----	4,700	68	6.6	150	500	5,400	1,200	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	12/10/21	204.33	47.92	156.41	----	260	2	1.3	5.2	17	3,600 x	1,200 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/23/20	204.33	50.90	153.43	----	3,800	64	15	210	530	4,400 x	1,300 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/03/19	204.33	53.18	151.15	----	7,800	48	38	270	1,200	4,600 x	420 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	204.33	53.44	150.89	----	1,500	----	----	----	----	2,300 x	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	204.33	54.74	149.59	----	5,000	45	100	170	660	4,400	500 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/11/18	204.33	51.83	152.50	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/09/18	204.33	50.27	154.06	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/16/18	204.33	58.11	146.22	----	18,000	63	280	290	2,700	8,400	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/09/18	204.33	53.3	151.03	----	76,000	140	2,200	2,300	13,000	11,000	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	WELL REHAB 2/9/2018																														
	11/02/17	204.33	55.97	148.36	30.3	35,000	31	340	740	6,700	40,000	1,100 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	204.33	53.33	151.00	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	204.33	54.31	150.02	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	204.33	dry well		675.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	204.33	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	204.33	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE3	Screened Interval 60-40 ft bgs, Total boring depth 60 ft bgs																														
DPE3	12/14/22	204.62	47.61	157.01	----	380	ND<1	1.7	3.3	13	770 x	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/25/22	204.62	46.04	158.58	----	470	ND<1	1.8	12	37	3,200 x	830 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	12/10/21	204.62	48.54	156.08	----	ND<1	ND<1	2.5	24	90	1,900 x	450 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/23/20	204.62	51.26	153.36	----	2,300	4.7	3.7	120	74	4,000 x	930 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/03/19	204.62	53.69	150.93	----	7,200	5.1	37	150	1,200	7,200 x	530 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	204.62	53.76	150.86	----	11,000	21	16	510	1,710	7,200 x	440 x	Hexane = 19	84	ND<0.04	----	----	----	----	ND<1	----	----	----	----	----	----	----	ND<1	----	----	----
	08/2018	204.62	56.24	148.38	----	10,000	11	37	240	1,100	14,000	1,100 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/11/18	204.62	52.47	152.15	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MTCA Method A Screening Levels for Ground Water					----	800/1,000[1]	5	1,000	700	1,000	500	500	Analyte Specific	160	TEF = 0.1	5	----	5	50	50	2	----	----	5	----	5	50	50	2	----	----
MTCA Method B Screening Levels for Ground Water[2]					----	----	----	----	----	----	----	----	Hexane = 480	----	----	----	3,200	----	----	----	----	80	80	----	3,200	----	----	----	----	80	80

Table 1, Page 2 of 11. Summary of Groundwater Monitoring Well and DPE/SVE Remediation Well Sampling and Analytical Laboratory Results
University VW - Audi Property
4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington 98105
The Riley Group, Inc. Project No. 2014-068I

Sample Number	Sample Date	Top of Casing Elevation (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)	PID	Gasoline TPH	BTEX				Diesel TPH	Oil TPH	VOCs Not Included in TPH Screening Level Calculations	Naph.	cPAHs	Total Metals								Dissolved Metals							
							B	T	E	X						As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag
	05/09/18	204.62	52.58	152.04	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/16/18	204.62	57.26	147.36	----	**43,000**	**34**	**320**	**820**	**6,000**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/09/18	204.62	54.4	150.22	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	WELL REHAB 2/9/2018																													
DPE3	11/02/17	204.62	dry well		2.6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	204.62	53.63	150.99	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	204.62	50.89	153.73	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	204.62	dry well		350.3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	204.62	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	204.62	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE4	Screened Interval 65-40 ft bgs, Total boring depth 65 ft bgs																													
	12/14/22	205.01	48.10	156.91	----	ND<100	ND<1	ND<1	ND<1	ND<3	**55 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/23/20	205.01	51.70	153.31	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	205.01	54.10	150.91	----	ND<100	----	----	----	----	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	205.01	56.67	148.34	----	ND<100	ND<1	ND<1	ND<1	ND<3	**78 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/15/18	205.01	57.75	147.26	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<60	ND<300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE4	11/02/17	205.01	61.07	143.94	25.4	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.01	58.22	146.79	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	205.01	55.2	149.81	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	205.01	dry well		38.5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	205.01	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	205.01	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE5	Screened Interval 52.5-37.5 ft bgs, Total boring depth 52.5 ft bgs																													
	12/14/22	205.29	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	205.29	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	205.29	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/16/18	205.29	dry well		2.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE5	11/01/17	205.29	dry well		2.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.29	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	205.29	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	205.29	----	----	317.4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	205.29	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	205.29	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE6	Screened Interval 65-40 ft bgs, Total boring depth 65 ft bgs																													
	12/14/22	204.97	46.85	158.12	----	**6,000**	**140**	**26**	**340**	**950**	**2,600 x**	**290 x**	ND	**34**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/25/22	204.97	45.32	159.65	----	**850**	**7.2**	**6.7**	**26**	**120**	**2,400 x**	**820 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	4/8/2022	204.97	46.36	158.61	----	**1,600**	**38**	**5**	**89**	**250**	**2,700 x**	**510 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	12/10/21	204.97	47.94	157.03	----	**340**	**7.2**	**5.3**	**8.3**	**38**	**2,200 x**	**780 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE6	10/05/21	204.97	48.26	156.71	----	**250**	**15**	ND<1	ND<1	ND<3	**2,600 x**	**370 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/23/20	204.97	53.78	151.19	----	**4,000**	**31**	**17**	**100**	**170**	**3,600 x**	**410 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/03/19	204.97	55.21	149.76	----	**2,700**	**14**	**47**	**36**	**250**	**8,700 x**	**340 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	204.97	51.65	153.32	----	**17,000**	----	----	----	----	**4,100 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	204.97	57.73	147.24	----	**21,000**	**9.9**	**34**	ND<5	**2,300**	**7,100**	**430 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/11/18	204.97	52.20	152.77	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MTCA Method A Screening Levels for Ground Water					----	**800/1,000[1]**	**5**	**1,000**	**700**	**1,000**	**500**	**500**	**Analyte Specific**	**160**	**TEF = 0.1**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**
MTCA Method B Screening Levels for Ground Water[2]					----	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**Analyte Specific**	**----**	**----**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**

Table 1, Page 3 of 11. Summary of Groundwater Monitoring Well and DPE/SVE Remediation Well Sampling and Analytical Laboratory Results
University VW - Audi Property
4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington 98105
The Riley Group, Inc. Project No. 2014-068I

Sample Number	Sample Date	Top of Casing Elevation (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)	PID	Gasoline TPH	BTEX				Diesel TPH	Oil TPH	VOCs Not Included in TPH Screening Level Calculations	Naph.	cPAHs	Total Metals								Dissolved Metals							
							B	T	E	X						As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag
	05/09/18	204.97	47.83	157.14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/16/18	204.97	57.66	147.31	----	40,000	30	110	290	7,000	6,900	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/14/18	204.97	56.00	148.97	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	WELL REHAB 2/14/2018																													
DPE6	11/01/17	204.97	48.88	156.09	14.7	47,000	65	820	1,200	11,000	9,900	380 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	204.97	48.32	156.65	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	204.97	43.38	161.59	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	204.97	dry well		934.8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	204.97	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	204.97	dry well (LNAPL ?)		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE7	Screened Interval 65-40 ft bgs, Total boring depth 65 ft bgs																														
	12/14/22	204.84	47.2	157.64	----	250	3.1	ND<1	2.1	4	1,100 x	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/25/22	204.84	45.59	159.25	----	3,300	76	6.4	95	310	8,700 x	1,700 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/08/22	204.84	46.75	158.09	----	610	9.4	1.7	39	27	4,700 x	1,200 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	12/10/21	204.84	48.18	156.66	----	2,800	34	ND<5	73	310	5,500 x	1,400 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/05/21	204.84	48.77	156.07	----	2,500	69	4.8	120	230	6,300 x	1,400 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/21/21	204.84	48.20	156.64	----	550	3	1.1	15	110	5,900 x	1,900 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/08/21	204.84	48.50	156.34	----	1,800	9.6	1.5	13	200	4,400 x	780 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/23/20	204.84	51.68	153.16	----	38,000	86	41	500	6,500	24,000 x	3,300 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/03/19	204.84	53.90	150.94	----	26,000	22	29	330	6,600	18,000 x	1,800 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	204.84	52.92	151.92	----	21,000	13	19	210	4,700	13,000 x	650 x	Hexane = 63	70	ND<0.04	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	204.84	57.67	147.17	----	30,000	110	380	280	6,000	22,000	1,400 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE7	05/11/18	204.84	52.63	152.21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/09/18	204.84	49.56	155.28	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/16/18	204.84	56.28	148.56	----	64,000	60	670	370	15,000	34,000	1,000 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/14/18	204.84	54.00	150.84	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	WELL REHAB 2/14/2018																														
	11/01/17	204.84	51.59	153.25	2.0	68,000	370	2,300	680	16,000	100,000	3,100 x	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	204.84	52.33	152.51	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	204.84	53.25	151.59	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	204.84	dry well		633.2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	204.84	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	204.84	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE8	Screened Interval 60-20 ft bgs, Total boring depth 60 ft bgs																														
	12/15/22	205.73	47.95	157.78	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/23/20	205.73	53.29	152.44	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	205.73	54.52	151.21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	205.73	57.02	148.71	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/15/18	205.73	56.00	149.73	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<60	ND<300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE8	11/02/17	205.73	55.29	150.44	16.7	ND<100	ND<1	ND<1	ND<1	3.4	70 x	ND<280	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.73	54.37	151.36	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	205.73	44.5	161.23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	06/2017	205.73	49.3	156.43	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	205.73	57.34	148.39	87.5	460	ND<1	ND<1	ND<1	92	200 x	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MTCA Method A Screening Levels for Ground Water					----	800/1,000[1]	5	1,000	700	1,000	500	500	Analyte Specific	160	TEF = 0.1	5	----	5	50	50	2	----	----	5	----	5	50	50	2	----	----
MTCA Method B Screening Levels for Ground Water[2]					----	----	----	----	----	----	----	----	Analyte Specific	----	----	----	3,200	----	----	----	----	80	80	----	3,200	----	----	----	----	80	80

Table 1, Page 4 of 11. Summary of Groundwater Monitoring Well and DPE/SVE Remediation Well Sampling and Analytical Laboratory Results
University VW - Audi Property
4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington 98105
The Riley Group, Inc. Project No. 2014-068I

Sample Number	Sample Date	Top of Casing Elevation (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)	PID	Gasoline TPH	BTEX				Diesel TPH	Oil TPH	VOCs Not Included in TPH Screening Level Calculations	Naph.	cPAHs	Total Metals								Dissolved Metals							
							B	T	E	X						As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag
DPE9	Screened Interval 60-20 ft bgs, Total boring depth 60 ft bgs																													
DPE9	12/15/22	205.46	47.71	157.75	----	ND<100	ND<1	ND<1	ND<1	ND<3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/23/20	205.46	51.13	154.33	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	205.46	51.75	153.71	----	ND<100	----	----	----	----	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	205.46	56.24	149.22	----	ND<100	ND<1	ND<1	ND<1	ND<3	**110**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/16/18	205.46	53.91	151.55	----	ND<100	ND<1	ND<1	ND<1	ND<3	**330**	ND<300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/16/18	205.46	53.2	152.26	----	ND<100	ND<1	**1.1**	ND<1	ND<3	**79 x**	ND<300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	WELL REHAB 2/14/2018																													
	11/02/17	205.46	49.44	156.02	----	**600**	ND<1	**3.5**	**1.4**	**31**	**1,800**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.46	46.4	159.06	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	205.46	44.81	160.65	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	205.46	dry well		110.8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE10	Screened Interval 60-20 ft bgs, Total boring depth 60 ft bgs																													
DPE10	12/15/22	203.33	47.39	155.94	----	ND<100	ND<1	ND<1	ND<1	ND<3	**380 x**	ND<250	----	ND<1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	12/10/21	203.33	48.63	154.70	----	ND<100	**1.1**	ND<1	ND<1	ND<3	**2,000 x**	**690 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/24/20	203.33	51.15	152.18	----	ND<100	**7.0**	ND<1	ND<1	ND<3	**2,300 x**	**650 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/03/19	203.33	53.39	149.94	----	ND<100	**12**	ND<1	ND<1	ND<3	**3,400 x**	**630 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	203.33	52.03	151.30	----	ND<100	**1.1**	ND<1	ND<1	ND<3	**2,800 x**	ND<250	----	ND<0.4	ND<0.04	----	----	----	----	ND<1	----	----	----	----	----	----	ND<1	----	----	----
	08/2018	203.33	55.6	147.73	----	**180**	**2.0**	**1.3**	ND<1	**11**	**4,900**	**830 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/16/18	203.33	55.33	148.00	----	**820**	**2.3**	**2.1**	ND<1	**17**	**8,800**	**600 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/09/18	203.33	54.2	149.13	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	WELL REHAB 2/16/2018																													
	11/01/17	203.33	47.30	156.03	10.0	**12,000**	**44**	**97**	ND<1	**1,300**	**18,000**	**930 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	203.33	46.64	156.69	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	203.33	45.78	157.55	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	203.33	dry well		165.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE11	Screened Interval 60-20 ft bgs, Total boring depth 60 ft bgs																													
DPE11	12/15/22	205.03	47.22	157.81	----	ND<100	ND<1	ND<1	ND<1	ND<3	**760 x**	ND<250	ND	ND<1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	12/10/21	205.03	48.15	156.88	----	ND<100	ND<1	ND<1	ND<1	ND<3	**3,300 x**	**1,200 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/24/20	205.03	51.02	154.01	----	ND<100	ND<1	ND<1	ND<1	ND<3	**1,600 x**	**400 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/03/19	205.03	53.37	151.66	----	ND<100	ND<1	ND<1	ND<1	ND<3	**450 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	205.03	53.14	151.89	----	ND<100	----	----	----	----	**2,000 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	205.03	55.04	149.99	----	**130**	**6.8**	**1.2**	**4.4**	**5.4**	**3,400**	**310 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/16/18	205.03	54.06	150.97	----	**420**	**3.5**	**1.5**	**3.1**	**12**	**4,200**	**310 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/09/18	205.03	54.00	151.03	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	WELL REHAB 2/14/2018																													
	11/02/17	205.03	54.12	150.91	165	**3,200**	**22**	**39**	**27**	**340**	**7,000**	**560 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.03	53.93	151.10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	205.03	51.57	153.46	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	06/2017	205.03	57.8	147.23	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	205.03	57.05	147.98	2.0	**2,400**	**82**	**30**	**59**	**230**	**740 x**	ND<250	----	**4.9**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE12	Screened Interval 60-20 ft bgs, Total boring depth 60 ft bgs																													
DPE12	12/15/22	206.91	48.31	158.6	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/24/20	206.91	52.49	154.42	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	206.91	55.20	151.71	----	ND<100	----	----	----	----	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MTCA Method A Screening Levels for Ground Water					----	**800/1,000[1]**	**5**	**1,000**	**700**	**1,000**	**500**	**500**	**Analyte Specific**	**160**	**TEF = 0.1**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**
MTCA Method B Screening Levels for Ground Water[2]					----	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**Hexane = 480**	**----**	**----**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**

Table 1, Page 5 of 11. Summary of Groundwater Monitoring Well and DPE/SVE Remediation Well Sampling and Analytical Laboratory Results
University VW - Audi Property
4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington 98105
The Riley Group, Inc. Project No. 2014-068I

Sample Number	Sample Date	Top of Casing Elevation (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)	PID	Gasoline TPH	BTEX				Diesel TPH	Oil TPH	VOCs Not Included in TPH Screening Level Calculations	Naph.	cPAHs	Total Metals								Dissolved Metals							
							B	T	E	X						As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag
DPE12	08/2018	206.91	57.24	149.67	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<50	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/15/18	206.91	47.19	159.72	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/01/17	206.91	49.14	157.77	0	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	206.91	47.8	159.11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	206.91	45.8	161.11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	206.91	dry well		42.9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE13	Screened Interval 60-20 ft bgs, Total boring depth 60 ft bgs																														
DPE13	12/15/22	206.92	47.48	159.44	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/24/20	206.92	52.66	154.26	----	ND<100	**1.8**	ND<1	ND<1	ND<3	**66 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	206.92	50.35	156.57	----	ND<100	ND<1	ND<1	ND<1	ND<3	**220**	ND<250	----	ND<0.4	ND<0.04	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	206.92	52.81	154.11	----	ND<100	ND<1	ND<1	ND<1	ND<3	**1,000**	ND<50	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/15/18	206.92	47.50	159.42	----	**280**	**1.5**	ND<1	**20**	**21**	**730**	ND<300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/09/18	206.92	48.80	158.12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	WELL REHAB 2/16/2018																														
	11/01/17	206.92	47.32	159.6	0	**6,400**	**5.3**	**4.5**	**5.4**	**290**	**8,000**	**500 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	206.92	47.41	159.51	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	206.92	46.35	160.57	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	206.92	dry well		306.7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE14	Screened Interval 60-20 ft bgs, Total boring depth 60 ft bgs																														
DPE14	12/15/22	205.87	47.88	157.99	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/24/20	205.87	51.60	154.27	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	205.87	55.55	150.32	----	ND<100	----	----	----	----	ND<70	ND<350	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	205.87	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/15/18	205.87	55.78	150.09	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<60	ND<300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/01/17	205.87	45.7	160.17	0	ND<100	ND<1	ND<1	ND<1	ND<3	**74 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.87	46.26	159.61	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	205.87	44.01	161.86	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	205.87	dry well		13.3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
DPE15	Screened Interval 60-20 ft bgs, Total boring depth 60 ft bgs																														
DPE15	12/15/22	206.73	48.2	158.53	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/24/20	206.73	51.78	154.95	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<60	ND<300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	206.73	54.65	152.08	----	ND<100	----	----	----	----	**72 x**	ND<300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	206.73	57.37	149.36	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<50	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/15/18	206.73	56.29	150.44	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/01/17	206.73	54.12	152.61	0	ND<100	ND<1	ND<1	ND<1	ND<3	**99 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	206.73	53.85	152.88	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MTCA Method A Screening Levels for Ground Water					----	**800/1,000[1]**	**5**	**1,000**	**700**	**1,000**	**500**	**500**	**Analyte Specific**	**160**	**TEF = 0.1**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**
MTCA Method B Screening Levels for Ground Water[2]					----	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**Analyte Specific**	**----**	**----**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**

Table 1, Page 6 of 11. Summary of Groundwater Monitoring Well and DPE/SVE Remediation Well Sampling and Analytical Laboratory Results
University VW - Audi Property
4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington 98105
The Riley Group, Inc. Project No. 2014-068I

Sample Number	Sample Date	Top of Casing Elevation (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)	PID	Gasoline TPH	BTEX				Diesel TPH	Oil TPH	VOCs Not Included in TPH Screening Level Calculations	Naph.	cPAHs	Total Metals								Dissolved Metals							
							B	T	E	X						As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag
DPE15	07/2017	206.73	49.9	156.83	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	06/2017	206.73	51.3	155.43	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	206.73	57.28	149.45	23.6	ND<100	ND<1	ND<1	ND<1	ND<3	**110 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
SVE1	Screened Interval 40-25 ft bgs, Total boring depth 40 ft bgs																													
SVE1	12/15/22	204.95	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	204.95	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	204.95	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	204.95	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/01/17	204.95	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
SVE2 (MW5)	Original Screened Interval 65-30 ft bgs, Total boring depth 65 ft bgs. Modified Screened Interval 45-30 ft bgs (July 2015).																													
SVE2 (MW5)	12/14/22	204.07	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	204.07	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	204.07	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	12/22/17	204.07	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	204.07	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	204.07	40.02	164.05	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	204.07	dry well		1764	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/13/16	204.07	dry well		818.9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	204.07	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	204.07	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/06/15	204.07	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/16/15	204.07	42.26	161.82	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/15/14	204.07	43.64	160.44	----	**110,000**	**6,000**	**11,000**	**4,100**	**21,500**	**16,000**	ND<250	ND	**400**	ND<1	**8.17**	**85.2**	ND<1	**17.6**	**1.83**	ND<0.1	ND<1	ND<1	**5.82**	**47.5**	ND<1	ND<1	ND<1	ND<0.1	ND<1	ND<1
SVE3 (MW7)	Original Screened Interval 60-30 ft bgs, Total boring depth 60 ft bgs. Modified Screened Interval 45-30 ft bgs (July 2015).																													
SVE3 (MW7)	12/14/22	205.24	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	205.24	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/07/18	205.24	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/15/18	205.24	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/02/17	205.24	dry well		54.2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.24	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	205.24	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	205.24	dry well		1,315	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/13/16	205.24	dry well		2.5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	205.24	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	205.24	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/16/15	205.24	44.17	dry well	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/12/14	205.24	44.55	dry well	----	**2,400**	0.84	ND<1	ND<1	**5.7**	**620 x**	ND<250	ND	ND<1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
SVE4	Screened Interval 39.5-19.5 ft bgs, Total boring depth 39.5 ft bgs																													
SVE4	12/14/22	205.67	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	205.67	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	205.67	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.67	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	06/2017	205.67	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MTCA Method A Screening Levels for Ground Water					----	**800/1,000[1]**	**5**	**1,000**	**700**	**1,000**	**500**	**500**	**Analyte Specific**	**160**	**TEF = 0.1**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**
MTCA Method B Screening Levels for Ground Water[2]					----	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**Analyte Specific**	**----**	**----**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**

Table 1, Page 7 of 11. Summary of Groundwater Monitoring Well and DPE/SVE Remediation Well Sampling and Analytical Laboratory Results
University VW - Audi Property
4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington 98105
The Riley Group, Inc. Project No. 2014-068I

Sample Number	Sample Date	Top of Casing Elevation (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)	PID	Gasoline TPH	BTEX				Diesel TPH	Oil TPH	VOCs Not Included in TPH Screening Level Calculations	Naph.	cPAHs	Total Metals								Dissolved Metals							
							B	T	E	X						As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag
SVE5	Screened Interval 40-20 ft bgs, Total boring depth 40 ft bgs																													
SVE5	12/14/22	205.84	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	205.84	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	205.84	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/16/18	205.84	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/02/17	205.84	dry well		178	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.84	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	06/2017	205.84	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
SVE6	Screened Interval 40-20 ft bgs, Total boring depth 40 ft bgs																													
SVE6	12/14/22	205.49	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	205.49	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	205.49	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/16/18	205.49	38.15	167.34	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/09/18	205.49	37.5	167.99	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	WELL REHAB 2/14/2018																													
	02/14/18	205.49	37.5	167.99	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/02/17	205.49	37.81	167.68	145	**37,000**	**1,800**	**1,700**	ND<40	**5,500**	**29,000**	**1,700 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.49	35.66	169.83	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	06/2017	205.49	34.32	171.17	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
SVE7	Screened Interval 40-20 ft bgs, Total boring depth 40 ft bgs																													
SVE7	12/15/22	206.71	38.15	168.56	----	ND<100	ND<1	ND<1	ND<1	ND<3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/24/20	206.71	36.70	170.01	----	ND<100	ND<1	ND<1	ND<1	ND<3	**470 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	206.71	30.85	175.86	----	ND<100	----	----	----	----	**1,200 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	206.71	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/15/18	206.71	33.28	173.43	----	ND<100	ND<1	ND<1	ND<1	ND<3	**490**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/09/18	206.71	30.3	176.41	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	WELL REHAB 2/16/2018																													
	11/01/17	206.71	30.54	176.17	1.0	**550**	ND<1	**1.5**	ND<1	**69**	**2,900**	ND<300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	206.71	30.35	176.36	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	206.71	29.85	176.86	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	206.71	36.60	170.11	408.9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
SVE8	Screened Interval 40-20 ft bgs, Total boring depth 40 ft bgs																													
SVE8	12/15/22	206.01	casing bent		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	206.01	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	206.01	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/15/18	206.01	dry well		7.2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/09/18	206.01	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/01/17	206.01	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	206.01	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	206.01	28.83	177.18	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	206.01	dry well		251.4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
SVE9 (MW4)	Screened Interval 60-20 ft bgs, Total boring depth 60 ft bgs																													
SVE9 (MW4)	12/14/22	206.26	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/24/20	206.26	53.05	153.21	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	206.26	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MTCA Method A Screening Levels for Ground Water					----	**800/1,000[1]**	**5**	**1,000**	**700**	**1,000**	**500**	**500**	**Analyte Specific**	**160**	**TEF = 0.1**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**
MTCA Method B Screening Levels for Ground Water[2]					----	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**Analyte Specific**	**----**	**----**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**

Table 1, Page 8 of 11. Summary of Groundwater Monitoring Well and DPE/SVE Remediation Well Sampling and Analytical Laboratory Results
University VW - Audi Property
4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington 98105
The Riley Group, Inc. Project No. 2014-068I

Sample Number	Sample Date	Top of Casing Elevation (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)	PID	Gasoline TPH	BTEX				Diesel TPH	Oil TPH	VOCs Not Included in TPH Screening Level Calculations	Naph.	cPAHs	Total Metals								Dissolved Metals							
							B	T	E	X						As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag
SVE9 (MW4)	08/2018	206.26	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/01/17	206.26	dry well		0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	206.26	dry well		5.8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	206.26	dry well		5.8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/13/16	206.26	dry well		3.7	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	206.26	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	206.26	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/16/15	206.26	43.50	162.76	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/15/14	206.26	45.25	161.01	----	ND<100	ND<0.35	ND<1	ND<1	ND<2	ND<50	ND<250	ND	ND<1	----	----	----	----	----	**3.32**	----	----	----	----	----	----	----	----	----	----
SVE10 (MW1) Screened Interval 66-18 ft bgs, Total boring depth 70 ft bgs																														
SVE10 (MW1)	01/20/23	205.89	48	157.89	----	ND<100	ND<1	ND<1	ND<1	ND<3	**83 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/24/20	205.89	51.71	154.18	----	ND<100	ND<1	ND<1	ND<1	ND<3	**84 x**	ND<300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	205.89	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	205.89	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/15/18	205.89	56.47	149.42	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	02/09/18	205.89	55.6	150.29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	ATTEMPTED WELL REHAB 2/16/2018 (UNSUCCESSFUL DUE TO BEND IN UPPER WELL CASING)																													
	12/22/17	205.89	57.78	148.11	----	**10,000**	ND<1.0	ND<1.0	ND<1.0	ND<3.0	ND<6,700	**11,000**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.89	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	205.89	47.9	157.99	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	205.89	dry well		52.2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/13/16	205.89	dry well		4,064	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	205.89	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	205.89	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/06/15	205.89	46.49	159.40	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/16/15	205.89	42.79	163.11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/26/15	205.89	44.56	161.33	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/15/14	205.89	44.72	161.17	----	**2,200**	**25**	**72**	**16**	**156**	**1,100**	ND<250	ND	**4.5**	ND<0.1	**2.62**	**63.2**	ND<1	ND<1	ND<1	ND<0.1	ND<1	ND<1	**1.78**	**43.3**	ND<1	ND<1	ND<1	ND<0.1	ND<1	ND<1
SVE11 (MW3) Screened Interval 60-20 ft bgs, Total boring depth 60 ft bgs																														
SVE11 (MW3)	12/15/22	205.66	38.15	167.51	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/24/20	205.66	51.85	153.81	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	205.66	55.45	150.21	----	ND<100	----	----	----	----	**68 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	205.66	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.66	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	205.66	49.65	156.01	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	205.66	dry well		145.4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/13/16	205.66	dry well		3.5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	205.66	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MTCA Method A Screening Levels for Ground Water					----	**800/1,000[1]**	**5**	**1,000**	**700**	**1,000**	**500**	**500**	**Analyte Specific**	**160**	**TEF = 0.1**	**5**	----	**5**	**50**	**50**	**2**	----	----	**5**	----	**5**	**50**	**50**	**2**	----	----
MTCA Method B Screening Levels for Ground Water[2]					----	----	----	----	----	----	----	----	**Analyte Specific**	----	----	----	**3,200**	----	----	----	----	**80**	**80**	----	**3,200**	----	----	----	----	**80**	**80**

Table 1, Page 9 of 12. Summary of Groundwater Monitoring Well and DPE/SVE Remediation Well Sampling and Analytical Laboratory Results
University VW - Audi Property
4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington 98105
The Riley Group, Inc. Project No. 2014-068I

Sample Number	Sample Date	Top of Casing Elevation (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)	PID	Gasoline TPH	BTEX				Diesel TPH	Oil TPH	VOCs Not Included in TPH Screening Level Calculations	Naph.	cPAHs	Total Metals								Dissolved Metals							
							B	T	E	X						As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag
SVE11 (MW3)	01/07/16	205.66	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/06/15	205.66	46.73	158.93	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/16/15	205.66	43.40	162.26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/15/14	205.66	44.82	160.84	----	**450**	**4.5**	ND<1	**1.3**	**2.4**	**300 x**	ND<250	ND	ND<1	----	----	----	----	----	ND<1	----	----	----	----	----	----	----	----	----	----	----
MW2	Screened Interval 45-14 ft bgs, Total boring depth 65 ft bgs																													
MW2	12/14/22	206.90	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	206.90	44.00	162.90	----	ND<100	----	----	----	----	ND<60	ND<300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	206.90	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	206.90	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	206.90	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	06/2017	206.90	34.40	172.50	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	206.90	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/13/16	206.90	43.01	163.89	0.0	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	206.90	42.96	163.94	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	206.90	43.97	162.93	----	ND<100	ND<1	**2.2**	**1**	**5.6**	**100 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/06/15	206.90	43.69	163.21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/16/15	206.90	41.79	165.12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/26/15	206.90	42.61	164.29	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/15/14	206.90	43.26	163.64	----	ND<100	ND<0.35	ND<1	ND<1	**2.2**	----	----	ND	ND<1	----	----	----	----	----	**2.60**	----	----	----	----	----	----	----	----	----	----
MW6	Screened Interval 60-30 ft bgs, Total boring depth 60 ft bgs, decomissioned 7/23/15																													
MW6	04/16/15	204.73	43.94	160.80	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/26/15	204.73	44.28	160.45	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/12/14	204.73	44.28	160.45	----	**110,000**	**1,300**	**9,600**	**3,900**	**19,600**	**7,100 x**	ND<250	ND	**560**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MW8	Screened Interval 60-25 ft bgs, Total boring depth 60 ft bgs																													
MW8	12/15/22	206.25	48.06	158.19	----	ND<100	ND<1	ND<1	ND<1	ND<3	**200 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/25/20	206.25	51.52	154.73	----	ND<100	ND<1	**1.2**	ND<1	ND<3	**690 x**	**410 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	206.25	52.10	154.15	----	ND<100	----	----	----	----	**500 x**	ND<250	----	----	----	----	----	----	----	**3.42**	----	----	----	----	----	----	ND<1	----	----	----
	08/2018	206.25	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/02/17	206.25	53.07	153.18	53	**3,600**	**6.3**	**140**	**53**	**670**	**1,300 x**	ND<380	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	206.25	52.05	154.2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	206.25	50.23	156.02	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	206.25	dry well		66.9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/13/16	206.25	52.49	153.76	232.6	**8,900**	**740**	**230**	**380**	**1,100**	**2,600 x**	**260 x**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	206.25	52.39	153.86	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	206.25	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/06/15	206.25	46.20	160.05	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/16/15	206.25	42.73	163.53	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/26/15	206.25	45.15	161.10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/12/14	206.25	45.25	161.00	----	**13,000**	**180**	**160**	**230**	**1,830**	**1,300 x**	ND<250	ND	**67**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MTCA Method A Screening Levels for Ground Water					----	**800/1,000[1]**	**5**	**1,000**	**700**	**1,000**	**500**	**500**	**Analyte Specific**	**160**	**TEF = 0.1**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**
MTCA Method B Screening Levels for Ground Water[2]					----	----	----	----	----	----	----	----	**Analyte Specific**	----	----	----	**3,200**	----	----	----	----	**80**	**80**	----	**3,200**	----	----	----	----	**80**	**80**

Table 1, Page 10 of 11. Summary of Groundwater Monitoring Well and DPE/SVE Remediation Well Sampling and Analytical Laboratory Results
University VW - Audi Property
4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington 98105
The Riley Group, Inc. Project No. 2014-068I

Sample Number	Sample Date	Top of Casing Elevation (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)	PID	Gasoline TPH	BTEX				Diesel TPH	Oil TPH	VOCs Not Included in TPH Screening Level Calculations	Naph.	cPAHs	Total Metals								Dissolved Metals							
							B	T	E	X						As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag
MW9	Screened Interval 56-36 ft bgs, Total boring depth 56 ft bgs																													
MW9	12/14/22	203.25	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/25/20	203.25	50.42	152.83	----	ND<100	ND<1	ND<1	ND<1	ND<3	**300 x**	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	203.25	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	203.25	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	203.25	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	203.25	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	203.25	dry well		0.1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/13/16	203.25	dry well		0.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	203.25	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	203.25	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/16/15	203.25	40.41	162.84	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/26/15	203.25	39.31	163.94	----	ND<100	**0.58**	**2**	ND<1	**9.2**	**210 x**	ND<250	ND	ND<1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MW10	Screened Interval 45-25 ft bgs, Total boring depth 45 ft bgs (due to refusal at 45 ft bgs). Monument paved over in 2015.																													
MW10	08/2018	206.94	----	NOT LOCATED (PAVED OVER)																										
	04/15/16	206.94	----	NOT LOCATED (PAVED OVER)																										
	01/07/16	206.94	----	NOT LOCATED																										
	07/06/15	206.94	36.9	170.04	----	ND<100	ND<0.35	ND<1	ND<1	ND<2	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MW11	Screened Interval 56-41 ft bgs, Total boring depth 56 ft bgs																													
MW11	12/15/22	208.02	45.24	162.78	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/25/20	208.02	45.07	162.95	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/2019	208.02	44.50	163.52	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	208.02	45.00	163.02	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<50	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/16/18	208.02	43.83	164.19	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<60	ND<300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	11/02/17	208.02	44.54	163.48	1.1	ND<100	ND<1	ND<1	ND<1	**3.3**	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	208.02	44.16	163.86	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	208.02	42.92	165.10	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	208.02	44.93	163.09	44.93	ND<100	ND<1	ND<1	ND<1	ND<3	ND<65	ND<325	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/13/16	208.02	44.15	163.87	0.0	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	208.02	44.02	164.00	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	208.02	44.31	163.71	----	ND<100	ND<1	ND<1	ND<1	ND<3	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/06/15	208.02	43.32	164.70	----	ND<100	ND<0.35	ND<1	ND<1	ND<2	ND<50	ND<250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
B3E	Screened Interval 49.5-39.5 ft bgs, Total boring depth 49.5 ft bgs																													
B3E	08/2018	205.20	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205.20	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	205.20	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/04/16	205.20	dry well		66.26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	05/13/16	205.20	dry well		50.4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	04/15/16	205.20	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/07/16	205.20	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/06/15	205.20	46.15	159.05	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MTCA Method A Screening Levels for Ground Water					----	**800/1,000[1]**	**5**	**1,000**	**700**	**1,000**	**500**	**500**	**Analyte Specific**	**160**	**TEF = 0.1**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**
MTCA Method B Screening Levels for Ground Water[2]					----	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**Analyte Specific**	**----**	**----**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**

Table 1, Page 11 of 11. Summary of Groundwater Monitoring Well and DPE/SVE Remediation Well Sampling and Analytical Laboratory Results
University VW - Audi Property
4724 Roosevelt Way Northeast and 4701 11th Avenue Northeast, Seattle, Washington 98105
The Riley Group, Inc. Project No. 2014-068I

Sample Number	Sample Date	Top of Casing Elevation (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)	PID	Gasoline TPH	BTEX				Diesel TPH	Oil TPH	VOCs Not Included in TPH Screening Level Calculations	Naph.	cPAHs	Total Metals								Dissolved Metals							
							B	T	E	X						As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Total Cr	Pb	Hg	Se	Ag
B3E	04/16/15	205.20	43.81	161.40	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/26/15	205.20	44.59	160.61	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/15/14	205.20	44.61	160.60	----	**100,000**	**10,000**	**11,000**	**3,600**	**17,800**	**13,000**	ND<250	ND<100	**380**	ND<1	**18.9**	**44.9**	ND<1	**10.5**	**1.76**	ND<0.1	ND<1	ND<1	**18.6**	**13.7**	ND<1	ND<1	ND<1	ND<0.1	ND<1	ND<1
	03/2014	205.20	----	----	----	**130,000**	**3,300**	**4,100**	**3,300**	**15,000**	**320**	ND<500	**Chloroform = 5.5 Styrene = 120 4-Chlorotoluene - 120 Methylene chloride = 16 1,2-Dichloroethane = 66 2-Chlorotoluene = 550**	**170**		ND<5	----	ND<5	ND<10	ND<2	ND<0.5	----	----	ND<5	----	ND<5	ND<10	ND<2	ND<0.5	----	----
	07/19/13	205.20	----	----	----	**200,000**	**7,600**	**8,200**	**4,300**	**22,800**	**860**	----	----	**870**	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	01/2013	205.20	----	----	----	**100,000**	**3,800**	**6,800**	**2,000**	**25,026**	**13,000**	ND<250	ND	**4.9**	----	----	----	----	----	----	----	----	----	ND<5	----	ND<5	ND<10	ND<2	ND<0.5	----	----
AS1	Screened Interval 58-54 ft bgs, Total boring depth 58 ft bgs - Decomissioned																													
AS1	03/2019	205	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	08/2018	205	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	03/15/18	205	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	10/2017	205	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	07/2017	205	dry well		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
MTCA Method A Screening Levels for Ground Water					----	**800/1,000[1]**	**5**	**1,000**	**700**	**1,000**	**500**	**500**	**Methylene chloride = 5 1,2-Dichloroethane = 5**	**160**	**TEF = 0.1**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**	**5**	**----**	**5**	**50**	**50**	**2**	**----**	**----**
MTCA Method B Screening Levels for Ground Water[2]					----	**----**	**----**	**----**	**----**	**----**	**----**	**----**	**Chloroform = 80 Styrene = 1,600 2-Chlorotoluene = 160**	**----**	**----**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**	**----**	**3,200**	**----**	**----**	**----**	**----**	**80**	**80**

Notes:

Samples collected by RGI field staff using a bladder pump under low-flow conditions.

Top of well casing (TOC) elevations surveyed by Lanktree Surveying.

Dry well = the well was determined to be a dry well during the noted sampling event and/or did not have an adequate volume of water present for purging and sample collection.

Unless otherwise noted, all analytical results are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

Gasoline TPH (total petroleum hydrocarbons) determined using Northwest Test Method NWTPH-Gx

BTEX (benzene, toluene, ethylbenzene, and xylenes) determined using EPA Test Method 8260C or 8021B.

Diesel and Oil TPH (total petroleum hydrocarbons) determined using Northwest Test Method NWTPH-Dx.

VOCs (volatile organic compounds) determined using EPA Test Method 8260B, 8260C, or 8260D. Note: Petroleum-related VOCs (for example, n-Propylbenzene) are factored into the MTCA Method A TPH Cleanup Levels calculations and were not evaluated separately. MTCA TPH cleanup levels are sufficient for assessing these compounds.

Naph. (naphthalene) determined using EPA Test Method 8270D SIM or 8260C. Most conservative value shown where applicable.

cPAHs (carcinogenic polynuclear aromatic hydrocarbons) determined using EPA Test Method 8270D SIM.

Total Metals & Dissolved Metals (As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Pb = Lead, Hg = Mercury, Se = Selenium, Ag = Silver) determined using EPA Method 6020 and 7471. Total metals were non-filtered. Dissolved metals were filtered in the field.

TEF = Toxicity Equivalency Factor per WAC 173-340-708(8).

DRY = Dry entries indicate either no groundwater present or limited water was present but was insufficient for sampling purposes (purged dry and did not recharge within a reasonable period of time)

x = The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

ND = Not detected above the noted analytical detection limit.

---- = Not analyzed or not applicable.

Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A Screening Levels for Ground Water (WAC 173-340-900, Table 720-1). MTCA Method B Screening Levels for Ground Water from Ecology's Cleanup Level and Risk Calcualtion (CLARC) database.

[1] The higher screening level is applicable if no benzene is detected in groundwater.

[2] No MTCA Method A Cleanup Level has been established. Therefore, the MTCA Method B Non-Carcinogenic Standard Formula Value is listed for reference.

Bold results indicated concentrations above laboratory detection limits.

Bold and yellow highlighted results indicate concentrations (if any) that exceed MTCA Method A or B Screening Levels for Ground Water.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 27, 2023

Tait Russell, Project Manager
The Riley Group, Inc.
17522 Bothell Way NE
Bothell, WA 98011

Dear Mr Russell:

Included are the results from the testing of material submitted on January 20, 2023 from the University Audi 2014-068I, F&BI 301311 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
TRG0127R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on January 20, 2023 by Friedman & Bruya, Inc. from the The Riley Group University Audi 2014-068I, F&BI 301311 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	The Riley Group
301311 -01	SVE10

All quality control requirements were acceptable.

Date of Report: 01/27/23
Date Received: 01/20/23
Project: University Audi 2014-068I, F&BI 301311
Date Extracted: 01/25/23
Date Analyzed: 01/26/23

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
SVE10 301311-01	<1	<1	<1	<3	<100	144
Method Blank 03-041 MB	<1	<1	<1	<3	<100	121

Date of Report: 01/27/23
Date Received: 01/20/23
Project: University Audi 2014-068I, F&BI 301311
Date Extracted: 01/23/23
Date Analyzed: 01/23/23

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
SVE10 301311-01	83 x	<250	108
Method Blank 03-190 MB	<50	<250	105

Date of Report: 01/27/23
Date Received: 01/20/23
Project: University Audi 2014-068I, F&BI 301311

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 301351-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	94	70-130
Toluene	ug/L (ppb)	50	96	70-130
Ethylbenzene	ug/L (ppb)	50	98	70-130
Xylenes	ug/L (ppb)	150	107	70-130
Gasoline	ug/L (ppb)	1,000	110	70-130

Date of Report: 01/27/23
Date Received: 01/20/23
Project: University Audi 2014-068I, F&BI 301311

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	112	124	70-130	10

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

01/20/23

1C2

301311

Report To TAIT RUSSELL

Company THE RILEY GROUP

Address 17522 BOTHELL WAY NE

City, State, ZIP BOTHELL, WA, ~~ESH~~ 98011

Phone 425-780-0615 Email trussell@rileygroup.com

SAMPLERS (*signature*)

PROJECT NAME: UNIVERSITY AUDI

PO #: 2014-068I

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: RGI

Page # 1 of 1

TURNAROUND TIME: VW1

☑ Standard turnaround

☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Archive samples

☐ Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
SVE10	01A-D	1/20/23	1438	Water	4	X	X	X									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	DAVID STARIHA	RGI	1/20/23	1442
Received by:	ANH PHAN	F&B	01/20/23	14:42
Relinquished by:				
Received by:		Samples received at 1 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 28, 2022

Tait Russell, Project Manager
The Riley Group, Inc.
17522 Bothell Way NE
Bothell, WA 98011

Dear Mr Russell:

Included are the results from the testing of material submitted on December 16, 2022 from the University Audi 2014-068I, F&BI 212281 project. There are 16 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Paul Riley
TRG1228R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 16, 2022 by Friedman & Bruya, Inc. from the The Riley Group University Audi 2014-068I, F&BI 212281 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	The Riley Group
212281 -01	DPE1
212281 -02	DPE2
212281 -03	DPE3
212281 -04	DPE4
212281 -05	DPE6
212281 -06	DPE7
212281 -07	DPE8
212281 -08	DPE9
212281 -09	DPE10
212281 -10	DPE11
212281 -11	DPE12
212281 -12	DPE13
212281 -13	DPE14
212281 -14	DPE15
212281 -15	SVE7
212281 -16	SVE11 (MW3)
212281 -17	MW8
212281 -18	MW11

All quality control requirements were acceptable.

Date of Report: 12/28/22
Date Received: 12/16/22
Project: University Audi 2014-068I, F&BI 212281
Date Extracted: 12/21/22
Date Analyzed: 12/22/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
DPE1 212281-01	<1	<1	<1	<3	<100	116
DPE2 212281-02 1/5	18	<5	20	73	1,100	127
DPE3 212281-03	<1	1.7	3.3	13	380	129
DPE4 212281-04	<1	<1	<1	<3	<100	114
DPE6 212281-05 1/5	140	26	340	950	6,000	142
DPE7 212281-06	3.1	<1	2.1	4.0	250	134
DPE8 212281-07	<1	<1	<1	<3	<100	116
DPE9 212281-08	<1	<1	<1	<3	<100	113
DPE10 212281-09	<1	<1	<1	<3	<100	116
DPE11 212281-10	<1	<1	<1	<3	<100	110
DPE12 212281-11	<1	<1	<1	<3	<100	121

Date of Report: 12/28/22
Date Received: 12/16/22
Project: University Audi 2014-068I, F&BI 212281
Date Extracted: 12/21/22
Date Analyzed: 12/22/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
DPE13 212281-12	<1	<1	<1	<3	<100	122
DPE14 212281-13	<1	<1	<1	<3	<100	118
DPE15 212281-14	<1	<1	<1	<3	<100	118
SVE7 212281-15	<1	<1	<1	<3	<100	118
SVE11 (MW3) 212281-16	<1	<1	<1	<3	<100	112
MW8 212281-17	<1	<1	<1	<3	<100	118
MW11 212281-18	<1	<1	<1	<3	<100	125
Method Blank 02-2940 MB	<1	<1	<1	<3	<100	111

Date of Report: 12/28/22
Date Received: 12/16/22
Project: University Audi 2014-068I, F&BI 212281
Date Extracted: 12/20/22
Date Analyzed: 12/20/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
DPE1 212281-01 1/0.4	910 x	<250	ip
DPE2 212281-02 1/0.4	2,800 x	380 x	ip
DPE3 212281-03 1/0.4	770 x	<250	147
DPE4 212281-04 1/0.4	55 x	<250	120
DPE6 212281-05 1/0.4	2,600 x	290 x	141
DPE7 212281-06 1/0.4	1,100 x	<250	ip
DPE8 212281-07 1/0.4	<50	<250	130
DPE10 212281-09 1/0.4	380 x	<250	111
DPE11 212281-10 1/0.4	760 x	<250	125
DPE12 212281-11 1/0.4	<50	<250	121
DPE13 212281-12 1/0.4	<50	<250	111
DPE14 212281-13 1/0.4	<50	<250	131

Date of Report: 12/28/22
Date Received: 12/16/22
Project: University Audi 2014-068I, F&BI 212281
Date Extracted: 12/20/22
Date Analyzed: 12/20/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
DPE15 212281-14 1/0.4	<50	<250	136
SVE11 (MW3) 212281-16 1/0.4	<50	<250	132
MW8 212281-17 1/0.4	200 x	<250	135
MW11 212281-18 1/0.4	<50	<250	134
Method Blank 02-3035 MB	<50	<250	134

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DPE1	Client:	The Riley Group
Date Received:	12/16/22	Project:	University Audi 2014-068I
Date Extracted:	12/22/22	Lab ID:	212281-01
Date Analyzed:	12/21/22	Data File:	122122.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	78	126
Toluene-d8	97	84	115
4-Bromofluorobenzene	102	72	130

Compounds:	Concentration ug/L (ppb)
Naphthalene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DPE2	Client:	The Riley Group
Date Received:	12/16/22	Project:	University Audi 2014-068I
Date Extracted:	12/22/22	Lab ID:	212281-02
Date Analyzed:	12/22/22	Data File:	122212.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	78	126
Toluene-d8	97	84	115
4-Bromofluorobenzene	104	72	130

Compounds:	Concentration ug/L (ppb)
Hexane	<5
Methyl t-butyl ether (MTBE)	<1
1,2-Dichloroethane (EDC)	<0.2
Benzene	15
Toluene	<1
1,2-Dibromoethane (EDB)	<1
Ethylbenzene	19
m,p-Xylene	76
o-Xylene	1.3
Naphthalene	7.0

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DPE6	Client:	The Riley Group
Date Received:	12/16/22	Project:	University Audi 2014-068I
Date Extracted:	12/22/22	Lab ID:	212281-05 1/10
Date Analyzed:	12/22/22	Data File:	122215.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	78	126
Toluene-d8	101	84	115
4-Bromofluorobenzene	97	72	130

Compounds:	Concentration ug/L (ppb)
Hexane	<50
Methyl t-butyl ether (MTBE)	<10
1,2-Dichloroethane (EDC)	<2
Benzene	130
Toluene	19
1,2-Dibromoethane (EDB)	<10
Ethylbenzene	330
m,p-Xylene	830
o-Xylene	78
Naphthalene	34

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DPE10	Client:	The Riley Group
Date Received:	12/16/22	Project:	University Audi 2014-068I
Date Extracted:	12/22/22	Lab ID:	212281-09
Date Analyzed:	12/22/22	Data File:	122213.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	99	72	130

Compounds:	Concentration ug/L (ppb)
Naphthalene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DPE11	Client:	The Riley Group
Date Received:	12/16/22	Project:	University Audi 2014-068I
Date Extracted:	12/22/22	Lab ID:	212281-10
Date Analyzed:	12/22/22	Data File:	122214.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	99	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	The Riley Group
Date Received:	Not Applicable	Project:	University Audi 2014-068I
Date Extracted:	12/21/22	Lab ID:	02-2977 mb
Date Analyzed:	12/21/22	Data File:	122107.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	78	126
Toluene-d8	96	84	115
4-Bromofluorobenzene	100	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Date of Report: 12/28/22
Date Received: 12/16/22
Project: University Audi 2014-068I, F&BI 212281

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 212309-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	110	70-130
Toluene	ug/L (ppb)	50	108	70-130
Ethylbenzene	ug/L (ppb)	50	104	70-130
Xylenes	ug/L (ppb)	150	113	70-130
Gasoline	ug/L (ppb)	1,000	110	70-130

Date of Report: 12/28/22
Date Received: 12/16/22
Project: University Audi 2014-068I, F&BI 212281

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	1,000	103	92	70-130	11

Date of Report: 12/28/22
Date Received: 12/16/22
Project: University Audi 2014-068I, F&BI 212281

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 212281-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	10	<10	112	50-150
Chloromethane	ug/L (ppb)	10	<10	99	50-150
Vinyl chloride	ug/L (ppb)	10	<0.2	105	50-150
Bromomethane	ug/L (ppb)	10	<1	128	50-150
Chloroethane	ug/L (ppb)	10	<1	114	50-150
Trichlorofluoromethane	ug/L (ppb)	10	<1	102	50-150
Acetone	ug/L (ppb)	50	<10	77	50-150
1,1-Dichloroethene	ug/L (ppb)	10	<1	108	50-150
Hexane	ug/L (ppb)	10	<1	111	50-150
Methylene chloride	ug/L (ppb)	10	<5	97	50-150
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	<1	103	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	105	50-150
1,1-Dichloroethane	ug/L (ppb)	10	<1	107	50-150
2,2-Dichloropropane	ug/L (ppb)	10	<1	112	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	113	50-150
Chloroform	ug/L (ppb)	10	<1	99	50-150
2-Butanone (MEK)	ug/L (ppb)	50	<10	98	50-150
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<1	100	50-150
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	104	50-150
1,1-Dichloropropene	ug/L (ppb)	10	<1	105	50-150
Carbon tetrachloride	ug/L (ppb)	10	<1	111	50-150
Benzene	ug/L (ppb)	10	<0.35	106	50-150
Trichloroethene	ug/L (ppb)	10	<1	98	50-150
1,2-Dichloropropane	ug/L (ppb)	10	<1	101	50-150
Bromodichloromethane	ug/L (ppb)	10	<1	99	50-150
Dibromomethane	ug/L (ppb)	10	<1	103	50-150
4-Methyl-2-pentanone	ug/L (ppb)	50	<10	102	50-150
cis-1,3-Dichloropropene	ug/L (ppb)	10	<1	100	50-150
Toluene	ug/L (ppb)	10	<1	103	50-150
trans-1,3-Dichloropropene	ug/L (ppb)	10	<1	102	50-150
1,1,2-Trichloroethane	ug/L (ppb)	10	<1	104	50-150
2-Hexanone	ug/L (ppb)	50	<10	99	50-150
1,3-Dichloropropane	ug/L (ppb)	10	<1	107	50-150
Tetrachloroethene	ug/L (ppb)	10	<1	104	50-150
Dibromochloromethane	ug/L (ppb)	10	<1	103	50-150
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	<1	103	50-150
Chlorobenzene	ug/L (ppb)	10	<1	106	50-150
Ethylbenzene	ug/L (ppb)	10	<1	105	50-150
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	<1	108	50-150
m,p-Xylene	ug/L (ppb)	20	<2	105	50-150
o-Xylene	ug/L (ppb)	10	<1	107	50-150
Styrene	ug/L (ppb)	10	<1	101	50-150
Isopropylbenzene	ug/L (ppb)	10	<1	100	50-150
Bromoform	ug/L (ppb)	10	<1	102	50-150
n-Propylbenzene	ug/L (ppb)	10	<1	107	50-150
Bromobenzene	ug/L (ppb)	10	<1	112	50-150
1,3,5-Trimethylbenzene	ug/L (ppb)	10	<1	106	50-150
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	<1	113	50-150
1,2,3-Trichloropropane	ug/L (ppb)	10	<1	100	50-150
2-Chlorotoluene	ug/L (ppb)	10	<1	106	50-150
4-Chlorotoluene	ug/L (ppb)	10	<1	106	50-150
tert-Butylbenzene	ug/L (ppb)	10	<1	108	50-150
1,2,4-Trimethylbenzene	ug/L (ppb)	10	<1	107	50-150
sec-Butylbenzene	ug/L (ppb)	10	<1	107	50-150
p-Isopropyltoluene	ug/L (ppb)	10	<1	109	50-150
1,3-Dichlorobenzene	ug/L (ppb)	10	<1	106	50-150
1,4-Dichlorobenzene	ug/L (ppb)	10	<1	104	50-150
1,2-Dichlorobenzene	ug/L (ppb)	10	<1	107	50-150
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	<10	100	50-150
1,2,4-Trichlorobenzene	ug/L (ppb)	10	<1	107	50-150
Hexachlorobutadiene	ug/L (ppb)	10	<1	110	50-150
Naphthalene	ug/L (ppb)	10	<1	89	50-150
1,2,3-Trichlorobenzene	ug/L (ppb)	10	<1	102	50-150

Date of Report: 12/28/22
Date Received: 12/16/22
Project: University Audi 2014-068I, F&BI 212281

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	10	111	108	46-206	3
Chloromethane	ug/L (ppb)	10	95	99	70-142	4
Vinyl chloride	ug/L (ppb)	10	103	100	70-130	3
Bromomethane	ug/L (ppb)	10	123	128	56-197	4
Chloroethane	ug/L (ppb)	10	110	108	70-130	2
Trichlorofluoromethane	ug/L (ppb)	10	101	99	70-130	2
Acetone	ug/L (ppb)	50	77	78	10-140	1
1,1-Dichloroethene	ug/L (ppb)	10	107	107	70-130	0
Hexane	ug/L (ppb)	10	105	99	54-136	6
Methylene chloride	ug/L (ppb)	10	95	98	43-134	3
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	103	104	70-130	1
trans-1,2-Dichloroethene	ug/L (ppb)	10	104	104	70-130	0
1,1-Dichloroethane	ug/L (ppb)	10	106	107	70-130	1
2,2-Dichloropropane	ug/L (ppb)	10	98	105	70-130	7
cis-1,2-Dichloroethene	ug/L (ppb)	10	106	107	70-130	1
Chloroform	ug/L (ppb)	10	103	101	70-130	2
2-Butanone (MEK)	ug/L (ppb)	50	100	97	17-154	3
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	101	101	70-130	0
1,1,1-Trichloroethane	ug/L (ppb)	10	104	104	70-130	0
1,1-Dichloropropene	ug/L (ppb)	10	105	105	70-130	0
Carbon tetrachloride	ug/L (ppb)	10	111	107	70-130	4
Benzene	ug/L (ppb)	10	104	104	70-130	0
Trichloroethene	ug/L (ppb)	10	97	96	70-130	1
1,2-Dichloropropane	ug/L (ppb)	10	102	99	70-130	3
Bromodichloromethane	ug/L (ppb)	10	100	101	70-130	1
Dibromomethane	ug/L (ppb)	10	102	103	70-130	1
4-Methyl-2-pentanone	ug/L (ppb)	50	103	95	68-130	8
cis-1,3-Dichloropropene	ug/L (ppb)	10	99	97	69-131	2
Toluene	ug/L (ppb)	10	103	100	70-130	3
trans-1,3-Dichloropropene	ug/L (ppb)	10	105	98	70-130	7
1,1,2-Trichloroethane	ug/L (ppb)	10	105	101	70-130	4
2-Hexanone	ug/L (ppb)	50	97	89	45-138	9
1,3-Dichloropropane	ug/L (ppb)	10	106	104	70-130	2
Tetrachloroethene	ug/L (ppb)	10	102	100	70-130	2
Dibromochloromethane	ug/L (ppb)	10	110	106	60-148	4
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	105	100	70-130	5
Chlorobenzene	ug/L (ppb)	10	104	102	70-130	2
Ethylbenzene	ug/L (ppb)	10	104	101	70-130	3
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	110	108	70-130	2
m,p-Xylene	ug/L (ppb)	20	104	100	70-130	4
o-Xylene	ug/L (ppb)	10	107	104	70-130	3
Styrene	ug/L (ppb)	10	102	95	70-130	7
Isopropylbenzene	ug/L (ppb)	10	101	99	70-130	2
Bromoform	ug/L (ppb)	10	109	103	69-138	6
n-Propylbenzene	ug/L (ppb)	10	104	105	70-130	1
Bromobenzene	ug/L (ppb)	10	107	108	70-130	1
1,3,5-Trimethylbenzene	ug/L (ppb)	10	104	107	70-130	3
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	118	117	70-130	1
1,2,3-Trichloropropane	ug/L (ppb)	10	106	108	70-130	2
2-Chlorotoluene	ug/L (ppb)	10	106	106	70-130	0
4-Chlorotoluene	ug/L (ppb)	10	100	102	70-130	2
tert-Butylbenzene	ug/L (ppb)	10	104	108	70-130	4
1,2,4-Trimethylbenzene	ug/L (ppb)	10	104	106	70-130	2
sec-Butylbenzene	ug/L (ppb)	10	104	106	70-130	2
p-Isopropyltoluene	ug/L (ppb)	10	106	106	70-130	0
1,3-Dichlorobenzene	ug/L (ppb)	10	106	102	70-130	4
1,4-Dichlorobenzene	ug/L (ppb)	10	101	100	70-130	1
1,2-Dichlorobenzene	ug/L (ppb)	10	106	107	70-130	1
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	106	102	70-130	4
1,2,4-Trichlorobenzene	ug/L (ppb)	10	106	105	70-130	1
Hexachlorobutadiene	ug/L (ppb)	10	108	109	70-130	1
Naphthalene	ug/L (ppb)	10	89	91	70-130	2
1,2,3-Trichlorobenzene	ug/L (ppb)	10	101	103	70-130	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

212281

SAMPLE CHAIN OF CUSTODY

12/16/22

I3 IVW3

Page # 1 of 2

Report To TAIT RUSSELL

Company THE RILEY GROUP, INC

Address 17522 BOTHELL WAY NE

City, State, ZIP BOTHELL, WA, 98011

Phone ~~(425) 519-4234~~ (425) 780-0615 Email TRussell@riley-group.com

SAMPLERS (*signature*)

PROJECT NAME: UNIVERSITY AUD1

PO #: 2014-068I

REMARKS: cc:priley@riley-group.com

Project specific RLs? - Yes / (No)

INVOICE TO: RGI

TURNAROUND TIME
- ☑ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Naphthalene	Target VOCs			Target VOCs: Hexane, MTBE, EDC, Benzene, Toluene, EDB, Ethylbenzene, m,p-Xylene, o-Xylene, Naphthalene
DPE1	01 A-E	12/14/22	0822	Water	5	X	X	X					X				
DPE2	02 |	12/14/22	0850	Water	5	X	X	X						X			
DPE3	03 A-D	12/14/22	0940	|	4	X	X	X									
DPE4	04 |	12/14/22	1028	|	4	X	X	X									
DPE6	05 A-E	12/14/22	1146	|	5	X	X	X						X			
DPE7	06 A-D	12/14/22	1238	|	4	X	X	X									
DPE8	07 |	12/15/22	0955	|	4	X	X	X									
DPE9	08 |	12/15/22	0925	|	4		X	X									
DPE10	09 A-E	12/15/22	0800	|	5	X	X	X					X				
DPE11	10 |	12/15/22	1054	↓	5	X	X			X			X				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Tait R	RGI	12/16	1319
Received by:	Nhan Phan	FCBI	12/16/22	1319
Relinquished by:				
Received by:		Samples received at 5 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

212281

SAMPLE CHAIN OF CUSTODY

12/16/22 I3/VW3

Page # 2 of 2

Report To TAIT RUSSELL

Company THE RILEY GROUP, INC

Address 17522 BOTHELL WAY NE

City, State, ZIP BOTHELL, WA 98011

Phone 425-780-0615 Email Trussell@riley-group.com

SAMPLERS (*signature*)

PROJECT NAME: UNIVERSITY AUDI

PO #: 2014-068I

REMARKS: cc: pdey@riley-group.com

Project specific RLs? - Yes / No

INVOICE TO: RGI

TURNAROUND TIME
- ☑ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
DPE 12	11 A-D	12/15/22	1208	water	4	X	X	X									
DPE 13	12	12/15/22	1348		4	X	X	X									
DPE 14	13	12/15/22	1420		4	X	X	X									
DPE 15	14	12/15/22	1130		4	X	X	X									
SVE 7	15 A-C	12/15/22	1237		3		X	X									
SVE 11 (MW3)	16 A-D	12/15/22	1532		4	X	X	X									
MW 8	17	12/15/22	0855		4	X	X	X									
MW 11	19	12/15/22	1023		4	X	X	X									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Tait R	RGI	12/16	1319
Received by:	Dhan Phan	FEBT	12/16/22	1319
Relinquished by:				
Received by:		Samples received at 5 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : SVE10	Project No: 2014-068I	Sampling Date: 1/20/23

Depth to Water:	48.0 ft	Time:	14:28	Water Volume In Casing:	1.86 gal
Depth to Product:			14:38	Well Diameter:	2 inch
Total Depth:	59.4 ft	Purged Time:	0:10	Volume Purged:	1.00 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:			Graduated Bucket
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
14:28	0.25	7.40	0.45	14.4	----	----	----	----	----	Light Brown	No
14:31	0.50	7.00	0.45	14.9	----	----	----	----	----	Clear	No
14:34	0.75	6.90	0.45	15.1	----	----	----	----	----	Clear	No
14:37	1.00	6.80	0.44	15.1	----	----	----	----	----	Clear	No

Sampling Methods: See SOP

Sample Data

Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
SVE10	3 VOAs	14:38				
	1/2 L Amber					

Chain of Custody (yes/no):

Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder: DS	Date: 1/20/2023
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE1	Project No: 2014-068I	Sampling Date: 12/14/22

Depth to Water:	46.87 ft	Time:	8:10	Water Volume In Casing:	13.06 gal
Depth to Product:			8:22	Well Diameter:	4 inch
Total Depth:	65 ft	Purged Time:	0:12	Volume Purged:	2 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:			Graduated Bucket
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
8:10	0.50	5.93	0.31	14.7	----	----	----	----	----	Clear	Very Slight Petroleum Odor
8:13	1.00	5.90	0.31	15.6	----	----	----	----	----	Clear	Very Slight Petroleum Odor
8:16	1.50	5.90	0.31	15.5	----	----	----	----	----	Clear	Very Slight Petroleum Odor
8:19	2.00	5.90	0.31	16.6	----	----	----	----	----	Clear	Very Slight Petroleum Odor

Sampling Methods: See SOP

Sample Data

Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE1	4 x VOAs	8:22				
	1/2L Amber					

Chain of Custody (yes/no):

Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types		
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample		FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate		FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample		TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE2	Project No: 2014-068I	Sampling Date: 12/14/22

Depth to Water:	46.95 ft	Time:	8:38	Water Volume In Casing:	10.82
Depth to Product:			8:50	Well Diameter:	4 inch
Total Depth:	63.52 ft	Purged Time:	0:12	Volume Purged:	1 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:			Graduated Bucket
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
8:41	0.25	6.45	0.61	15.2	----	----	----	----	----	Gray	Petroleum
8:44	0.50	6.51	0.61	15.10	----	----	----	----	----	Gray	Petroleum
8:47	0.75	6.51	0.59	15.80	----	----	----	----	----	Gray	Petroleum
8:50	1.00	6.61	0.58	15.80	----	----	----	----	----	Gray	Petroleum

Sampling Methods: See SOP	**Sample Data**	Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE2	4 x VOAs	8:50				
	1/2L Amber					

Chain of Custody (yes/no):	Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE3	Project No: 2014-068I	Sampling Date: 12/14/22

Depth to Water:	47.61 ft	Time:	9:25	Water Volume In Casing:	8.09 gal
Depth to Product:			9:36	Well Diameter:	4 inch
Total Depth:	60 ft	Purged Time:	0:11	Volume Purged:	1 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:		Graduated Bucket	
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
9:27	0.25	6.10	0.37	14.5	----	----	----	----	----	Clear	Faint Petroleum
9:30	0.50	6.10	0.39	15.1	----	----	----	----	----	Clear	Faint Petroleum
9:33	0.75	6.10	0.39	15.6	----	----	----	----	----	Clear	Faint Petroleum
9:36	1.00	6.10	0.38	15.8	----	----	----	----	----	Clear	Faint Petroleum

Sampling Methods: See SOP	**Sample Data**	Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE3	4 x VOAs	9:40				
	1/2L Amber					

Chain of Custody (yes/no):	Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE4	Project No: 2014-068I	Sampling Date: 12/14/22

Depth to Water:	48.10 ft	Time:	10:14	Water Volume In Casing:	10.6 gal
Depth to Product:			10:26	Well Diameter:	4 inch
Total Depth:	64.34 ft	Purged Time:	0:12	Volume Purged:	1.25 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:			Graduated Bucket
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
10:11	0.50	6.10	0.32	14.8	----	----	----	----	----	Clear	No
10:20	0.75	6.20	0.32	14.2	----	----	----	----	----	Clear	No
10:23	1.00	6.10	0.31	14.3	----	----	----	----	----	Clear	No
10:26	1.75	6.10	0.31	14.2	----	----	----	----	----	Clear	No

Sampling Methods: See SOP	**Sample Data**	Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE4	3 x VOAs	10:28				
	1/2L Amber					

Chain of Custody (yes/no):	Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE6	Project No: 2014-068I	Sampling Date: 12/14/22

Depth to Water:	46.85 ft	Time:	11:33	Water Volume In Casing:	11.9 gal
Depth to Product:			11:44	Well Diameter:	4 inch
Total Depth:	65 ft	Purged Time:	0:11	Volume Purged:	1.25 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:			Graduated Bucket
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
11:35	0.50	6.40	0.68	15.00	----	----	----	----	----	Light gray	petroleum
11:38	0.75	6.40	0.67	15.10	----	----	----	----	----	Light gray	petroleum
11:42	1.00	6.40	0.67	15.40	----	----	----	----	----	Light gray	petroleum
11:44	1.25	6.40	0.67	15.50	----	----	----	----	----	Light gray	petroleum

Sampling Methods: See SOP	**Sample Data**	Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE6	4 x VOAs	11:46				
	1/2L Amber					

Chain of Custody (yes/no):	Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE7	Project No: 2014-068I	Sampling Date: 12/14/22

Depth to Water:	47.20 ft	Time:	12:25	Water Volume In Casing:	9.7 gal
Depth to Product:			12:36	Well Diameter:	4 inch
Total Depth:	62 ft	Purged Time:	0:11	Volume Purged:	1.25 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:			Graduated Bucket
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
12:27	0.50	6.70	0.49	14.5	----	----	----	----	----	Light Brown	Faint Petroleum
12:30	0.75	6.70	0.49	14.8	----	----	----	----	----	Light Brown	Faint Petroleum
12:33	1.00	6.70	0.49	15.2	----	----	----	----	----	Light Brown	Faint Petroleum
12:36	1.25	6.70	0.49	15.2	----	----	----	----	----	Light Brown	Faint Petroleum

Sampling Methods: See SOP

Sample Data

Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE7	4 x VOAs	12:38				
	1/2L Amber					

Chain of Custody (yes/no):

Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE8	Project No: 2014-068I	Sampling Date: 12/15/22

Depth to Water:	47.95 ft	Time:	9:40	Water Volume In Casing:	7 gal
Depth to Product:			9:54	Well Diameter:	4 inch
Total Depth:	58.69 ft	Purged Time:	0:14	Volume Purged:	1.50 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:		Graduated Bucket	
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
9:42	0.50	6.63	0.41	12.8	----	----	----	----	----	Clear	No
9:45	0.75	6.62	0.40	14.3	----	----	----	----	----	Clear	No
9:48	1.00	6.63	0.40	14.7	----	----	----	----	----	Clear	No
9:51	1.25	6.66	0.40	14.9	----	----	----	----	----	Clear	No
9:54	1.50	6.66	0.40	14.8	----	----	----	----	----	Clear	No

Sampling Methods: See SOP	**Sample Data**	Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE8	3 x VOAs	9:55				
	1/2L Amber					

Chain of Custody (yes/no):	Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE9	Project No: 2014-068I	Sampling Date: 12/15/22

Depth to Water:	47.71 ft	Time:	9:10	Water Volume In Casing:	8.4 gal
Depth to Product:			9:24	Well Diameter:	4 inch
Total Depth:	60.3 ft	Purged Time:	0:14	Volume Purged:	1.50 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:		Graduated Bucket	
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
9:12	0.50	6.50	0.35	13.5	----	----	----	----	----	Light Gray	No
9:15	0.75	6.42	0.35	14.4	----	----	----	----	----	Light Gray	No
9:18	1.00	6.41	0.34	14.9	----	----	----	----	----	Light Gray	No
9:21	1.25	6.41	0.34	15	----	----	----	----	----	Light Gray	No
9:24	1.50	6.41	0.34	15.1	----	----	----	----	----	Light Gray	No

Sampling Methods: See SOP	**Sample Data**	Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE9	3 x VOAs	9:25				
	1/2L Amber					

Chain of Custody (yes/no):	Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE10	Project No: 2014-068I	Sampling Date: 12/15/22

Depth to Water:	47.39 ft	Time:	7:43	Water Volume In Casing:	7.9 gal
Depth to Product:			7:57	Well Diameter:	4 inch
Total Depth:	59.5 ft	Purged Time:	0:14	Volume Purged:	1.50 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:			Graduated Bucket
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
7:45	0.50	7.08	0.40	12	----	----	----	----	----	Clear	No
7:48	0.75	6.72	0.39	13.8	----	----	----	----	----	Clear	No
7:51	1.00	6.60	0.39	14.9	----	----	----	----	----	Clear	No
7:54	1.25	6.60	0.39	15.1	----	----	----	----	----	Clear	No
7:57	1.50	6.6	0.39	15	----	----	----	----	----	Clear	No

Sampling Methods: See SOP	**Sample Data**	Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE10	4 x VOAs	8:00				
	1/2L Amber					

Chain of Custody (yes/no):	Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE11	Project No: 2014-068I	Sampling Date: 12/15/22

Depth to Water:	47.22 ft	Time:	10:41	Water Volume In Casing:	8.9 gal
Depth to Product:			10:52	Well Diameter:	4 inch
Total Depth:	60.8 ft	Purged Time:	0:11	Volume Purged:	1.25 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:		Graduated Bucket	
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
10:43	0.50	6.51	0.38	14	----	----	----	----	----	Light Brown	No
10:46	0.75	6.47	0.38	14.8	----	----	----	----	----	Light Brown	No
10:49	1.00	6.47	0.38	15.1	----	----	----	----	----	Light Brown	No
10:52	1.25	6.46	0.38	15.3	----	----	----	----	----	Light Brown	No

Sampling Methods: See SOP

Sample Data

Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE11	4 x VOAs	10:54				
	1/2L Amber					

Chain of Custody (yes/no):

Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE12	Project No: 2014-068I	Sampling Date: 12/15/22

Depth to Water:	48.31 ft	Time:	11:56	Water Volume In Casing:	7.1 gal
Depth to Product:			12:07	Well Diameter:	4 inch
Total Depth:	59.1 ft	Purged Time:	0:11	Volume Purged:	1.25 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:		Graduated Bucket	
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
11:58	0.50	6.81	0.41	14.1	----	----	----	----	----	Clear	No
12:01	0.75	6.70	0.40	14.9	----	----	----	----	----	Clear	No
12:04	1.00	6.69	0.40	15.2	----	----	----	----	----	Clear	No
12:07	1.25	6.62	0.40	15.3	----	----	----	----	----	Clear	No

Sampling Methods: See SOP	**Sample Data**	Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE12	3 x VOAs	12:08				
	1/2L Amber					

Chain of Custody (yes/no):	Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE13	Project No: 2014-068I	Sampling Date: 12/15/22

Depth to Water:	47.48 ft	Time:	13:34	Water Volume In Casing:	8.8 gal
Depth to Product:			13:45	Well Diameter:	4 inch
Total Depth:	61 ft	Purged Time:	0:11	Volume Purged:	1.25 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:		Graduated Bucket	
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
13:36	0.50	6.36	0.18	15.2	----	----	----	----	----	Clear	No
13:39	0.75	6.35	0.17	15.3	----	----	----	----	----	Clear	No
13:42	1.00	6.33	0.16	15.4	----	----	----	----	----	Clear	No
13:45	1.25	6.32	0.16	15.4	----	----	----	----	----	Clear	No

Sampling Methods: See SOP	**Sample Data**	Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE13	3 x VOAs	13:48				
	1/2L Amber					

Chain of Custody (yes/no):	Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE14	Project No: 2014-068I	Sampling Date: 12/15/22

Depth to Water:	47.88 ft	Time:	14:06	Water Volume In Casing:	7.9 gal
Depth to Product:			14:17	Well Diameter:	4 inch
Total Depth:	60 ft	Purged Time:	0:11	Volume Purged:	1.25 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:			Graduated Bucket
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
14:08	0.50	6.68	0.61	13.7	----	----	----	----	----	Light Gray	No
14:11	0.75	6.82	0.60	14.6	----	----	----	----	----	Light Gray	No
14:14	1.00	6.85	0.59	14.8	----	----	----	----	----	Light Gray	No
14:17	1.25	6.84	0.59	15	----	----	----	----	----	Light Gray	No

Sampling Methods: See SOP

Sample Data

Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE14	3 x VOAs	14:20				
	1/2L Amber					

Chain of Custody (yes/no):

Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : DPE15	Project No: 2014-068I	Sampling Date: 12/15/22

Depth to Water:	48.20 ft	Time:	11:14	Water Volume In Casing:	8.5 gal
Depth to Product:			11:28	Well Diameter:	4 inch
Total Depth:	61.2 ft	Purged Time:	0:14	Volume Purged:	1.50 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:		Graduated Bucket	
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
11:16	0.50	6.80	0.67	12.7	----	----	----	----	----	Clear	No
11:19	0.75	6.88	0.65	14.2	----	----	----	----	----	Clear	No
11:22	1.00	6.88	0.65	14.6	----	----	----	----	----	Clear	No
11:25	1.25	6.85	0.62	14.8	----	----	----	----	----	Clear	No
11:28	1.50	6.84	0.61	14.9	----	----	----	----	----	Clear	No

Sampling Methods: See SOP	**Sample Data**	Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
DPE15	3 x VOAs	11:30				
	1/2L Amber					

Chain of Custody (yes/no):	Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : SVE7	Project No: 2014-068I	Sampling Date: 12/15/22

Depth to Water:	38.15 ft	Time:	12:35	Water Volume In Casing:	0.62 gal
Depth to Product:			12:36	Well Diameter:	2 inch
Total Depth:	40.2 ft	Purged Time:	0:11	Volume Purged:	1.00 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:			Graduated Bucket
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
12:27	0.25	7.10	0.31	13.1	----	----	----	----	----	Light Brown	No
12:30	0.50	7.03	0.30	13.4	----	----	----	----	----	Light Brown	No
12:33	0.75	7.01	0.30	13.8	----	----	----	----	----	Light Brown	No
12:36	1.00	7.00	0.31	14.2	----	----	----	----	----	Light Brown	No

Sampling Methods: See SOP

Sample Data

Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
SVE7	3 VOAs	12:37				

Chain of Custody (yes/no):

Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : SVE11 (MW3)	Project No: 2014-068I	Sampling Date: 12/15/22

Depth to Water:	38.15 ft	Time:	15:20	Water Volume In Casing:	1.6 gal
Depth to Product:			15:31	Well Diameter:	2 inch
Total Depth:	57.8 ft	Purged Time:	0:11	Volume Purged:	1.25 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:		Graduated Bucket	
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
15:22	0.50	6.56	0.43	14.2	----	----	----	----	----	Light Gray	No
15:25	0.75	6.37	0.43	14.7	----	----	----	----	----	Light Gray	No
15:28	1.00	6.27	0.42	15	----	----	----	----	----	Light Gray	No
15:31	1.25	6.20	0.42	15.4	----	----	----	----	----	Light Gray	No

Sampling Methods: See SOP

Sample Data

Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
SVE11	3 x VOAs 1/2L Amber	15:32				

Chain of Custody (yes/no):

Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : MW8	Project No: 2014-068I	Sampling Date: 12/15/22

Depth to Water:	48.06 ft	Time:	8:38	Water Volume In Casing:	1.8 gal
Depth to Product:			8:53	Well Diameter:	2 inch
Total Depth:	58.9 ft	Purged Time:	0:15	Volume Purged:	1.50 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:			Graduated Bucket
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
8:41	0.50	6.51	0.39	13.8	----	----	----	----	----	Slightly Grey	Minor Petroleum
8:44	0.75	6.25	0.33	14.9	----	----	----	----	----	Slightly Grey	Minor Petroleum
8:47	1.00	6.16	0.33	15.4	----	----	----	----	----	Slightly Grey	Minor Petroleum
8:50	1.25	6.16	0.33	15.5	----	----	----	----	----	Slightly Grey	Minor Petroleum
8:53	1.50	6.16	0.33	15.6	----	----	----	----	----	Slightly Grey	Minor Petroleum

Sampling Methods: See SOP

Sample Data

Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
MW8	3 x VOAs 1/2L Amber	8:55				

Chain of Custody (yes/no):

Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date:

The Riley Group, Inc.

Groundwater Sampling Information

Well No./Location : MW11	Project No: 2014-068I	Sampling Date: 12/15/22

Depth to Water:	45.24 ft	Time:	10:10	Water Volume In Casing:	1.5 gal
Depth to Product:			10:21	Well Diameter:	2 inch
Total Depth:	54.3	Purged Time:	0:11	Volume Purged:	1.25 gal
Purging Method:	GeoSub	Purge Volume Measurement Method:			Graduated Bucket
Project Location: Seattle		**Parameter Monitoring**		Sampled By:	DS & SK

Time	Cumulative Volume	pH	COND	TEMP	DO	TURB	ORP	SAL	TDS	Appearance	Odor
		SU	mS/cm	Degree C	mg/L	NTU	mV	%	g/L		
8:41	0.50	6.51	0.39	13.8	----	----	----	----	----	Light Brown	Petroleum
8:44	0.75	6.25	0.33	14.9	----	----	----	----	----	Light Brown	Petroleum
8:47	1.00	6.16	0.33	15.4	----	----	----	----	----	Light Brown	Petroleum
8:50	1.25	6.16	0.33	15.5	----	----	----	----	----	Light Brown	Petroleum
8:53	1.50	6.16	0.33	15.6	----	----	----	----	----	Light Brown	Petroleum

Sampling Methods: See SOP

Sample Data

Waste Container:

Field Sample No.	Sample Container	Time	Sample Depth	Matrix Type	Sample Type	Preserved By
MW11	3 x VOAs 1/2L Amber	10:23				

Chain of Custody (yes/no):

Duplicate Sample Numbers:

Analytical Lab	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Analytical Lab/QC	Lab Name:	Date Sent to Lab:
	Lab Address:	Shipment Method:
Split	Name(s):	
	Organization(s):	

Matrix Types				Sample Types	
AA ambient air	GW groundwater	SD sediment	SW surface water	CS composite sample	FB field blank
BM building material	NS near-surface soil	SL soil	TI tissue	ER equipment rinsate	FD field duplicate
DR debris/rubble	SB subsurface soil	SU sludge	WR water	ES environmental sample	TB trip blank

Additional Comments: 3 consecutive readings within 10% well > 80% recharged

Recorder:	Date:
Checker:	Date: