



March 1, 2019

Les Schwab Tire Centers of Washington, Inc.
P.O. Box 5350
Bend, OR 97708-5350

Attn: Mr. David Gibson, Corporate Counsel

RE: DRAFT Letter Report – Groundwater Sampling, February 2019

Proposed Les Schwab Tire Warehouse
19992 Viking Avenue NW
Poulsbo, Kitsap County, Washington
ZGA Project No. 1925.23.2

Dear Mr. Gibson,

Zipper Geo Associates, LLC (ZGA) is pleased to present this Groundwater Sampling Report for the above-referenced Property. The project was completed in general accordance with the scope as discussed during our conference call on February 4, 2019.

INTRODUCTION

This letter report is intended to be used solely in conjunction with the following document:

- *DRAFT Letter Report – Groundwater and Soil Vapor Sampling, Proposed Les Schwab Tire Warehouse*, prepared by ZGA, dated January 25, 2019.

ZGA completed a “wet-season” groundwater monitoring and sampling event of all monitoring wells on the project site (MW-1 through MW-4 and the Warehouse Well) and three monitoring wells in the Viking Avenue NW right-of-way (MW-5 through MW-7) on January 3 and January 8, 2019. The results of this groundwater monitoring and sampling event are presented in the above-referenced document. Relevant findings are discussed in the paragraph below.

Initially, our analytical scope of services for our January 2019 sampling event was limited to volatile organic compounds (VOCs) by EPA Method 8260 for all eight groundwater samples. However, field indications of petroleum impairment in the form of a sheen and oily residue on sample tubing and in water samples were observed while sampling the Warehouse Well. Groundwater from this location was previously evaluated for total petroleum hydrocarbons (TPH) and associated chemicals of concern in one sample collected on April 12, 2018, during the early stages of the project. At that time, no TPH or chemicals of concern associated with oil-range TPH were detected. Tetrachloroethylene (PCE), a VOC commonly

associated with solvents, was detected above the respective MTCA Method A Cleanup Level (CUL) in the April 2018 Warehouse Well sample. Based on these results, further sampling for VOCs was undertaken while TPH and related chemicals of concern were removed from the suite of analytes. However, based on our field observations during the January 2019 sampling event, ZGA recommended that TPH be added back into our suite of analytes for the Warehouse Well. Analytical results for the sample collected from the Warehouse Well in January 2019 suggest that “phase separated product” i.e., oil-range TPH floating on top of the groundwater, is present within the Warehouse Well at a concentration (2.20E+07 ug/L) that greatly exceeds the MTCA Method A CUL for oil-range TPH in groundwater (500 ug/L).

After our findings were distributed in our January 25, 2019 Draft Letter Report, a conference call between ZGA, Les Schwab, and outside legal counsel concluded that steps should be taken to determine if these contaminants were contained within the Warehouse Well’s concrete casing or had migrated outside of the well. To this end, ZGA subcontracted a down-hole camera to determine the physical state of the warehouse well and an additional groundwater monitoring and sampling event was performed on February 6, 2019. The methodology and results of this additional work is summarized herein.

LIMITATIONS

The analytical results within this report are based on samples collected from the indicated locations at the time of sample collection and should not be construed as a warranty of the subsurface conditions throughout the site or at other times. No environmental investigation can wholly eliminate uncertainty regarding chemicals of concern in association with a property. This environmental investigation is intended to reduce, but not eliminate, uncertainty regarding the existence of chemicals of concern in the subsurface. Within the limitations of scope, schedule and budget for our work, we warrant that our work has been done in accordance with our proposals and generally accepted environmental assessment practices followed in this area at the time the report was prepared. No other warranty, express or implied, is made.

RELIANCE

This report has been prepared for the exclusive use of Les Schwab Tire Centers of Washington, Inc. and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Les Schwab Tire Centers of Washington, Inc. and ZGA.

DOWN-HOLE CAMERA SURVEY OF WAREHOUSE WELL

A down-hole camera with multiple viewing angles and a built-in light source was supplied and operated by Mr. Chad Gresham of Gresham Pump & Drilling, Inc. (GPD) on February 6, 2019. The camera was suspended on a hand cart with a winch and a short boom arm that allowed the camera to be lowered down the center of the well. A representative of ZGA was present during the survey. A recording of the down-hole survey was requested but has not been received by ZGA as of the date of this report.

From our camera observations, we conclude that the Warehouse well exhibits an inside-diameter below

the water table of approximately 2 feet and is constructed of overlapping pre-cast concrete segments that are approximately 3 to 5 feet in length. The well extends to a total depth of approximately 20.35 feet below the top of the warehouse's concrete floor. The concrete casing extends up from the warehouse floor approximately 1.5 feet. Depth to the top of the phase separated product and depth to the top of the water table were measured from the inside of the north rim of the well casing with an interface probe. Depth to phase separated product was measured at 11.66 feet below top of casing (10.56 feet below floor elevation) and depth to groundwater was measured at 11.68 feet below top of casing (10.58 feet below floor elevation). Therefore, we estimate that approximately 0.02 feet of phase separated product was present within the well on top of the water table. Based on an inside diameter of 2 feet and a thickness of 0.02 feet, we estimate that approximately 0.06 cubic feet (0.45 gallons) of phase separated product was present within the well on top of the water table.

No perforations were observed in the sidewalls of the well casing. No gaps were observed in the space between the concrete segments. The base of the well is open to the formation and plant matter was observed growing from or at least resting at the base of the well. A mat of plant material, trash including plastic wrappers/bags, and phase separated product was observed on top of the water table. Other debris, including a wheel with its tire, a piece of metal shelving, and a 2-inch or less diameter galvanized pipe was observed resting at the base of the well leaning against the inside of the casing.

GROUNDWATER MONITORING, SAMPLING, AND ANALYSIS

ZGA conducted a groundwater sampling and monitoring event of the Warehouse Well and monitoring wells MW-1 through MW-4 on February 6, 2019. Upon arrival, we opened each well and allowed them to equilibrate to the ambient barometric pressure for at least 20 minutes before measuring depth to groundwater with an electronic water level meter. Groundwater contours and prevailing direction of groundwater flow from this event are depicted on Figure 1, *Groundwater Monitoring Results*.

Groundwater samples were collected from each monitoring well using low-flow sampling methodologies via a peristaltic pump. A groundwater sample was collected from the Warehouse Well using a weighted, disposable bailer. Dedicated tubing left in the wells during our previous sampling event was utilized to sample the monitoring wells. Prior to sampling, each monitoring well was purged using low-flow sampling methods in which flow rates were maintained at approximately 0.2 to 0.5 liters per minute. During the monitoring well purging process, groundwater quality parameters including temperature, electrical conductivity (EC), pH, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) were measured at regular intervals using a Horiba U-22 water-quality meter equipped with a flow cell. Purging at a given monitoring well was considered complete when DO and turbidity were within +/- 10% variance; pH was within +/- 0.1 variance; EC was with +/- 3% variance; and ORP was within +/- 10 mV variance. Once parameter stabilization was achieved, a sample was collected directly into laboratory supplied glassware. Samples were immediately placed in a chilled cooler and were transported to the laboratory by ZGA personnel under chain of custody procedures. Groundwater sample collection forms are attached to this letter.

All groundwater samples collected during the February 2019 sampling event were delivered to ALS Environmental of Everett, Washington. Samples were analyzed on a standard turnaround for the following:

Warehouse Well Analytical Suite

- Diesel- and oil-range TPH by Northwest Method NWTPH-Dx;
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082;
- Carcinogenic polycyclic aromatic hydrocarbons (cPAH) by EPA Method 8270 SIM; and
- Total metals (cadmium, chromium, and lead) by EPA Method 200.8.

MW-1 through MW-4 Analytical Suite

- Diesel and oil-range TPH by Northwest Method NWTPH-Dx.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for groundwater samples collected during this event and during past sampling events, in which TPH-related chemicals of concern were analyzed for, are summarized on Table 1. Unless discussed below, analytes were not detected above the laboratory method reporting limit (MRL).

- Oil-range TPH was reported at concentrations that exceeded the MTCA Method A CUL of 500 ug/L in samples collected from the Warehouse Well (960,000 ug/L), MW-3 (570 ug/L), and MW-4 (1,100 ug/L).
- The cPAH Benzo[A]Anthracene and Benzo[B]Fluoranthene were reported at concentrations of 0.25 and 3.3 ug/L, respectively, in the Warehouse Well

In accordance with human health risk assessment procedures defined in WAC 173-340-708(8)(e), the potential risk presented by cPAH can be evaluated by assuming that the entire cPAH mixture is as toxic as benzo(a)pyrene.

The toxicity equivalency factor (TEF) for each cPAH is an estimate of its relative toxicity when compared to benzo(a)pyrene, which is assigned a TEF of 1.0. The concentration of each cPAH is multiplied by its TEF to obtain a toxicity equivalent concentration. The sum of the toxicity equivalent concentrations are then compared to the cleanup level for benzo[a]pyrene. Using the toxicity equivalency factors defined in WAC 173-340-900 (Table 708-2), we have calculated the total toxicity equivalent concentration for the Warehouse Well sample (see Table 2). The cPAH mixture has a TEF of 0.355 ug/L, which exceeds the MTCA Method A cleanup level for benzo[a]pyrene (0.1 ug/L)

Monitoring well symbols on Figure 1 are color-coded to depict their reported concentrations of oil-range TPH relative to the MTCA Method A CUL.

Due to laboratory sample dilution needed because of the very high levels of TPH, the reporting limit for PCBs (6 ug/L) in the Warehouse Well exceeds the MTCA Method A CUL (0.1 ug/L). The Warehouse Well should be resampled for PCBs following remedial action activities.

CONCLUSIONS

Groundwater monitoring results indicate an easterly prevailing direction of groundwater flow consistent with past monitoring events. Based on the analytical results summarized in Table 1, it appears that dissolved-phase oil-range TPH is present beneath the project site at concentrations that exceed the MTCA Method A CUL for oil-range TPH in groundwater in a lateral area that at least encompasses the Warehouse Well, MW-3, and MW-4. Lateral points of compliance appear to have been established by MW-2 to the west and MW-1 to the east. Lateral points of compliance have not been established to the north or south.

The lack of TPH in the upgradient monitoring well, MW-2, suggests that the source of the TPH release is located within the footprint of the warehouse. Coupled with our field observations and the presence of phase separated product within the warehouse well, it is our opinion that the Warehouse Well is the most likely source of the release. Based on our down-hole camera survey of the Warehouse Well's construction, it appears that the well casing creates a barrier to downgradient migration of phase separated product. However, the concentrations of oil-range TPH reported in wells MW-3 and MW-4 suggest that the casing is not completely effective at halting the downgradient migration of dissolved-phase TPH.

RECOMMENDATIONS

We provide the following recommendations based on the findings of this phase of work:

- **Remove the source of the release.** This may be accomplished by vacuuming the phase separated product from within the Warehouse Well and disposing of the effluent at a permitted off site location. Vacuuming may need to be performed multiple times. This task may be performed by GPD with disposal services provided by DH Environmental. We have requested quotes from both GPD and DH Environmental. We have not received GPD's quote as of the date of this report.
- **Apply in-situ remediation methods.** Skimming of phase separated product will not likely affect the already-present dissolved-phase oil-range TPH. However, prior to well decommissioning, an in-situ remediation technology such as chemical oxidizers may be applied to groundwater within the Warehouse Well to break down residual contamination within the well. Additional in-situ remediation may be need to cleanup groundwater downgradient of the Warehouse Well.
- **Decommission the Warehouse Well.** We recommend that the well be decommissioned by GPD in accordance with Chapter 173-360 WAC, *Minimum Standards for Construction and Maintenance of Wells*. This will lessen the chance of future releases and is a necessary step in

constructing the new warehouse.

- **Define the extents of the TPH plume.** In accordance with Chapter 173-340 WAC, the Model Toxics Control Act (MTCA), the lateral and vertical extents TPH impacts need to be defined before next steps can be determined. This would require the construction and sampling of additional monitoring wells to the north and south of the existing MW-3 and MW-4 wells.

We also recommend:

- In accordance with WAC 173-340-300 (2), *“Any owner or operator who has information that a hazardous substance has been released to the environment at the owner or operator’s facility and may be a threat to human health of the environment shall report such information to the department (of Ecology) within ninety days of discovery.”* It is our opinion that the oil-range TPH release should be reported to Ecology.
- Any monitoring well whose integrity cannot be guaranteed during proposed site redevelopment should be decommissioned in accordance with Chapter 173-160 WAC.
- Investigation derived waste stored on site in drums be should be disposed of in accordance with applicable local, state, and federal laws. Drums containing PCE will need to be handled separately.
- Although PCE has not been detected in shallow soils, as a precaution we recommend that any soils slated for off-Property disposition (for example, as derived from a utility corridor) be stockpiled and analyzed for PCE prior to leaving the Property. A Soil Management Plan describing how this should be accomplished should be prepared as a guide for the earthwork contractor.
- Vapor mitigation should be incorporated into the construction of the new warehouse building.

CLOSURE

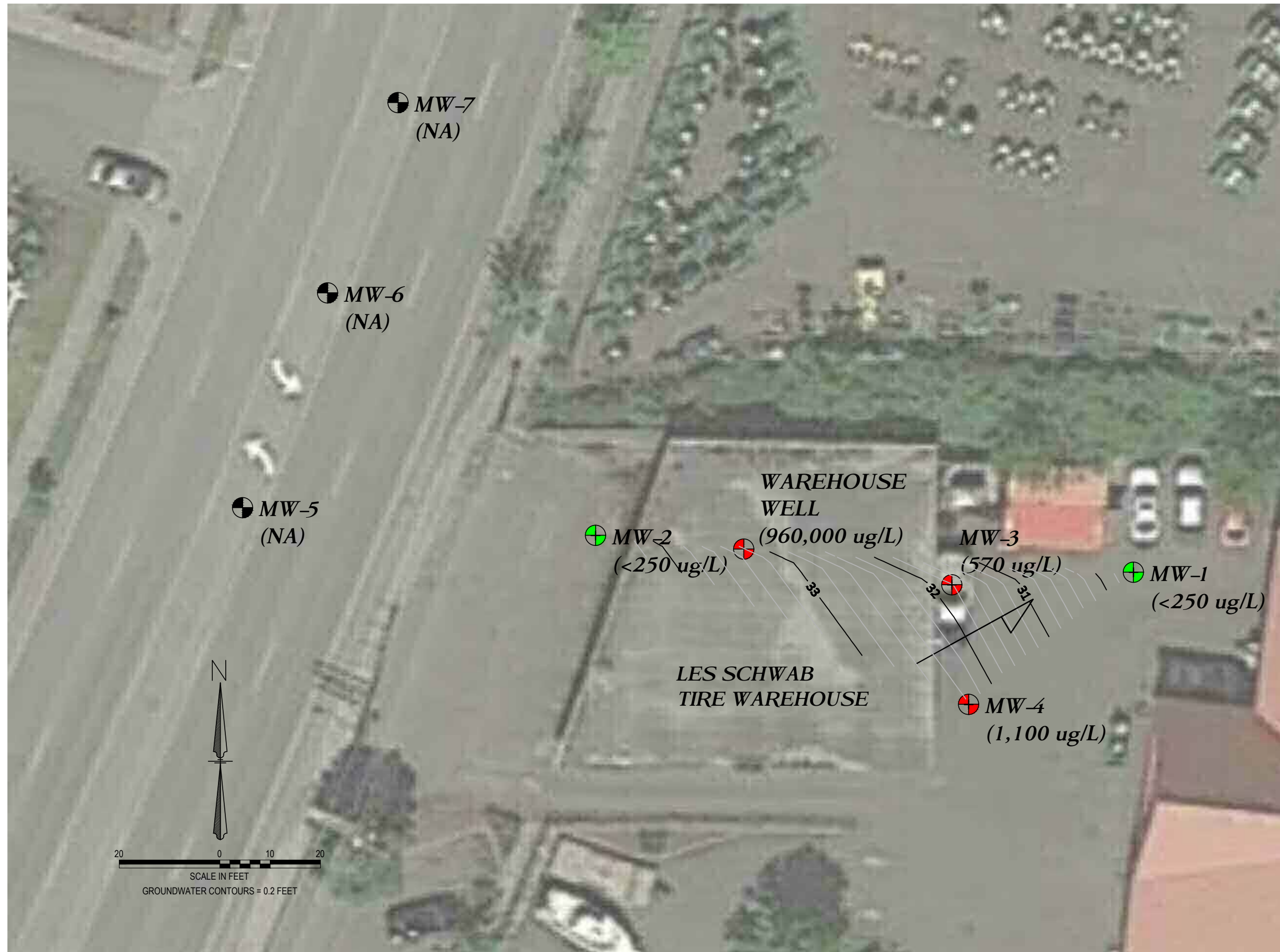
We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report, or if we may be of further service, please contact us. We look forward to working with you in the future.

Sincerely,
Zipper Geo Associates, LLC






Jeffrey S. Tinklepaugh, G.I.T.
Project Geologist

Jon Einarsen, L.G., L.Hg.
Principal

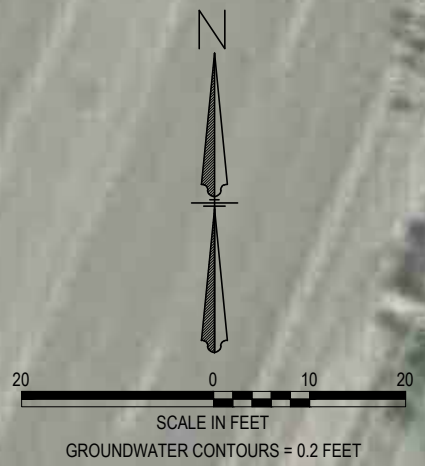
Attachments: Figure 1: Groundwater Monitoring Results – TPH, February 6, 2019
Table 1: Groundwater Results Summary
Table 2: Toxicity Equivalency Factor
Laboratory Report - ALS Environmental Groundwater Analytical Results
Groundwater Sample Collection Forms



LEGEND

-  **MW-1 (NA)** Monitoring well ID and approximate location. **BLACK** indicates no sample collected.
-  **MW-2 (<250)** Monitoring well ID and approximate location. **GREEN** indicates no oil-range TPH detected above laboratory MRL. Reported oil-range TPH concentration shown in parentheses.
-  **MW-2 (251)** Monitoring well ID and approximate location. **ORANGE** indicates oil-range TPH detected above laboratory MRL, but below MTCA. Reported oil-range TPH concentration shown in parentheses. (No occurrences in data set)
-  **MW-3 (570)** Monitoring well ID and approximate location. **RED** indicates oil-range TPH detected above MTCA. Reported oil-range TPH concentration shown in parentheses.
-  Inferred prevailing direction of groundwater flow.

MTCA Method A Cleanup Level for oil-range TPH in groundwater = 500 ug/L



REFERENCE: Google Earth satellite image dated May 13, 2018.

POULSBO LES SCHWAB 19992 Viking Avenue NW Poulsbo, Washington	
GROUNDWATER MONITORING RESULTS - TPH FEBRUARY 6, 2019	
DATE: February 2019	Job No. 1925.23.3
Zipper Geo Associates, LLC 19019 36th Ave. W., Suite E Lynnwood, WA	FIGURE SHT. 1 of 1 1

Table 1. Groundwater Results Summary

Poulsbo Les Schwab
 ZGA Project No. 1925.23.3
 February 28, 2019

Sampling Location	Date of Collection	TPH (ug/L)			VOCs (ug/L)		cPAH (ug/L)			PCBs (ug/L)	Metals (ug/L)		
		TPH-G	TPH-D	TPH-O	PCE	Other VOCs	Benzo[A]Anthracene	Benzo[B]Fluoranthene	Other cPAH		Cd	Cr	Pb
Warehouse Well	04.12.2018	Gr	<130	<250	23	<MRL	<0.020	<0.020	<0.020	<0.10	<1.0	<2.0	1.1
	01.08.2019	<10	<400	2.20E+07	20	<MRL	-	-	-	-	-	-	-
	02.06.2019	-	<26,000	960,000	-	-	0.25	3.3	<0.020	<6.0	<5.0	<10	<5.0
MW-1	02.06.2019	-	<130	<250	-	-	-	-	-	-	-	-	-
MW-2	02.06.2019	-	<130	<250	-	-	-	-	-	-	-	-	-
MW-3	02.06.2019	-	<130	570	-	-	-	-	-	-	-	-	-
MW-4	02.06.2019	-	<130	1,100	-	-	-	-	-	-	-	-	-
MTCA Method A CUL (ug/L) =		1,000	500	500	5	Varies	0.1 Toxicity Equivalency (see Table 2)			0.1	5	50	15

LEGEND

<50	= Analyte not reported above its laboratory MRL.	-	= Not analyzed.
1.1	= Analyte reported above laboratory the MRL, but below the MTCA Method A CUL.		
570	= Analyte reported above the MTCA Method A CUL.		
<26,000	= Italics indicate that the laboratory MRL exceeds the MTCA Method A CUL.		

ACRONYMS

Cd	Cadmium	Pb	Lead
CUL	Cleanup Level	PCE	Tetrachloroethylene, aka Perchloroethylene, abbreviated PCE
Cr	Chromium	TPH	Total Petroleum Hydrocarbons
MRL	Method Reporting Limit	TPH-D	Diesel-range Total Petroleum Hydrocarbons
MTCA	Model Toxics Control Act, Chapter 173-340 WAC	TPH-G	Gasoline-range Total Petroleum Hydrocarbons
cPAHs	Carcinogenic Polycyclic Aromatic Hydrocarbons	TPH-O	Oil-range Total Petroleum Hydrocarbons
PAHs	Polycyclic Aromatic Hydrocarbons (Includes cPAHs)	ug/L	Micrograms per Liter, aka parts-per-billion, abbreviated ppb
PCBs	Polychlorinated Biphenyls	VOCs	Volatile Organic Compounds

Table 2. Toxicity Equivalency Factor

Poulsbo Les Schwab
ZGA Project No. 1925.23.3
February 28, 2019

cPAH	TEF	Measured Concentration (ug/L)	Toxicity Equivalent Concentration (ug/L)
Benzo[a]pyrene	1		0
Benzo[a]anthracene	0.1	0.25000	0.025
Benzo[b]fluoranthene	0.1	3.30000	0.33
Benzo[k]fluoranthene	0.1		0
Chrysene	0.01		0
Dibenzo[a,h]anthracene	0.1		0
Indeno[1,2,3-cd]pyrene	0.1		0
Sum of the Mixture		3.550	0.3550

TEF, Toxicity Equivalency Factor; ug/L, micro-grams per liter



February 15, 2019

Mr. Jeff Tinklepaugh
Zipper Geo Associates
19019 - 36th Ave W., Suite E
Lynnwood, WA 98036

Dear Mr. Tinklepaugh,

On February 6th, 5 samples were received by our laboratory and assigned our laboratory project number EV19020027. The project was identified as your 1925.23.3. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Zipper Geo Associates 19019 - 36th Ave W., Suite E Lynnwood, WA 98036	DATE:	2/15/2019
CLIENT CONTACT:	Jeff Tinklepaugh	ALS JOB#:	EV19020027
CLIENT PROJECT:	1925.23.3	ALS SAMPLE#:	EV19020027-01
CLIENT SAMPLE ID	1925.23.3-1	DATE RECEIVED:	02/06/2019
		COLLECTION DATE:	2/6/2019 9:45:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Diesel Range	NWTPH-DX	U	26000	200	UG/L	02/08/2019	EBS
TPH-Oil Range	NWTPH-DX	960000	50000	200	UG/L	02/08/2019	EBS
Benzo[A]Anthracene	EPA-8270 SIM	0.25	0.20	10	UG/L	02/14/2019	JMK
Chrysene	EPA-8270 SIM	U	0.20	10	UG/L	02/14/2019	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	3.3	0.20	10	UG/L	02/14/2019	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	0.20	10	UG/L	02/14/2019	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	0.20	10	UG/L	02/14/2019	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	0.20	10	UG/L	02/14/2019	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	0.20	10	UG/L	02/14/2019	JMK
PCB-1016	EPA-8082	U	6.0	1	UG/L	02/08/2019	JMK
PCB-1221	EPA-8082	U	6.0	1	UG/L	02/08/2019	JMK
PCB-1232	EPA-8082	U	6.0	1	UG/L	02/08/2019	JMK
PCB-1242	EPA-8082	U	6.0	1	UG/L	02/08/2019	JMK
PCB-1248	EPA-8082	U	6.0	1	UG/L	02/08/2019	JMK
PCB-1254	EPA-8082	U	6.0	1	UG/L	02/08/2019	JMK
PCB-1260	EPA-8082	U	3.0	1	UG/L	02/08/2019	JMK
PCB-1268	EPA-8082	U	3.0	1	UG/L	02/08/2019	JMK
Cadmium	EPA-200.8	U	5.0	5	UG/L	02/13/2019	RAL
Chromium	EPA-200.8	U	10	5	UG/L	02/13/2019	RAL
Lead	EPA-200.8	U	5.0	5	UG/L	02/13/2019	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
C25 200X Dilution	NWTPH-DX	118	02/08/2019	EBS
Terphenyl-d14 10X Dilution	EPA-8270 SIM	118	02/14/2019	JMK
TCMX	EPA-8082	220 GS1	02/08/2019	JMK
DCB	EPA-8082	29.6	02/08/2019	JMK

U - Analyte analyzed for but not detected at level above reporting limit.
 GS1 - Surrogate outside of control limits due to matrix effect.
 Chromatogram indicates that it is likely that sample contains an unidentified oil range product.



CERTIFICATE OF ANALYSIS

CLIENT:	Zipper Geo Associates 19019 - 36th Ave W., Suite E Lynnwood, WA 98036	DATE:	2/15/2019
CLIENT CONTACT:	Jeff Tinklepaugh	ALS JOB#:	EV19020027
CLIENT PROJECT:	1925.23.3	ALS SAMPLE#:	EV19020027-02
CLIENT SAMPLE ID	MW1-20190206	DATE RECEIVED:	02/06/2019
		COLLECTION DATE:	2/6/2019 10:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/08/2019	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/08/2019	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	89.2	02/08/2019	EBS

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

CERTIFICATE OF ANALYSIS

CLIENT:	Zipper Geo Associates 19019 - 36th Ave W., Suite E Lynnwood, WA 98036	DATE:	2/15/2019
CLIENT CONTACT:	Jeff Tinklepaugh	ALS JOB#:	EV19020027
CLIENT PROJECT:	1925.23.3	ALS SAMPLE#:	EV19020027-03
CLIENT SAMPLE ID	MW2-20190206	DATE RECEIVED:	02/06/2019
		COLLECTION DATE:	2/6/2019 12:20:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/08/2019	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/08/2019	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	92.7	02/08/2019	EBS

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

CERTIFICATE OF ANALYSIS

CLIENT:	Zipper Geo Associates 19019 - 36th Ave W., Suite E Lynnwood, WA 98036	DATE:	2/15/2019
CLIENT CONTACT:	Jeff Tinklepaugh	ALS JOB#:	EV19020027
CLIENT PROJECT:	1925.23.3	ALS SAMPLE#:	EV19020027-04
CLIENT SAMPLE ID	MW3-20190206	DATE RECEIVED:	02/06/2019
		COLLECTION DATE:	2/6/2019 10:45:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/08/2019	EBS
TPH-Oil Range	NWTPH-DX	570	250	1	UG/L	02/08/2019	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	99.4	02/08/2019	EBS

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

CERTIFICATE OF ANALYSIS

CLIENT:	Zipper Geo Associates 19019 - 36th Ave W., Suite E Lynnwood, WA 98036	DATE:	2/15/2019
CLIENT CONTACT:	Jeff Tinklepaugh	ALS JOB#:	EV19020027
CLIENT PROJECT:	1925.23.3	ALS SAMPLE#:	EV19020027-05
CLIENT SAMPLE ID	MW4-20190206	DATE RECEIVED:	02/06/2019
		COLLECTION DATE:	2/6/2019 11:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/08/2019	EBS
TPH-Oil Range	NWTPH-DX	1100	250	1	UG/L	02/08/2019	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	97.6	02/08/2019	EBS

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



CERTIFICATE OF ANALYSIS

CLIENT: Zipper Geo Associates
 19019 - 36th Ave W., Suite E
 Lynnwood, WA 98036

CLIENT CONTACT: Jeff Tinklepaugh
 CLIENT PROJECT: 1925.23.3

DATE: 2/15/2019
 ALS SDG#: EV19020027
 WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MB-020819W - Batch 137687 - Water by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	02/08/2019	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	02/08/2019	EBS

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

MB-020719W - Batch 137781 - Water by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/L	0.020	02/14/2019	JMK
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/L	0.020	02/14/2019	JMK
Chrysene	EPA-8270 SIM	U	UG/L	0.020	02/14/2019	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/L	0.020	02/14/2019	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/L	0.020	02/14/2019	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/L	0.020	02/14/2019	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/L	0.020	02/14/2019	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/L	0.020	02/14/2019	JMK
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/L	0.020	02/14/2019	JMK

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

MB-020719W - Batch 137555 - Water by EPA-8082

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	UG/L	6.0	02/08/2019	JMK
PCB-1221	EPA-8082	U	UG/L	6.0	02/08/2019	JMK
PCB-1232	EPA-8082	U	UG/L	6.0	02/08/2019	JMK
PCB-1242	EPA-8082	U	UG/L	6.0	02/08/2019	JMK
PCB-1248	EPA-8082	U	UG/L	6.0	02/08/2019	JMK
PCB-1254	EPA-8082	U	UG/L	6.0	02/08/2019	JMK
PCB-1260	EPA-8082	U	UG/L	3.0	02/08/2019	JMK
PCB-1268	EPA-8082	U	UG/L	3.0	02/08/2019	JMK

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

MB-021319W - Batch 137715 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Cadmium	EPA-200.8	U	UG/L	1.0	02/13/2019	RAL
Chromium	EPA-200.8	U	UG/L	2.0	02/13/2019	RAL
Lead	EPA-200.8	U	UG/L	1.0	02/13/2019	RAL



CERTIFICATE OF ANALYSIS

CLIENT: Zipper Geo Associates
19019 - 36th Ave W., Suite E
Lynnwood, WA 98036
CLIENT CONTACT: Jeff Tinklepaugh
CLIENT PROJECT: 1925.23.3

DATE: 2/15/2019
ALS SDG#: EV19020027
WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MB-021319W - Batch 137715 - Water by EPA-200.8

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



CERTIFICATE OF ANALYSIS

CLIENT: Zipper Geo Associates
 19019 - 36th Ave W., Suite E
 Lynnwood, WA 98036

CLIENT CONTACT: Jeff Tinklepaugh
 CLIENT PROJECT: 1925.23.3

DATE: 2/15/2019
 ALS SDG#: EV19020027
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 137687 - Water by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	92.9			67	125.2	02/08/2019	EBS
TPH-Diesel Range - BSD	NWTPH-DX	90.0	3		67	125.2	02/13/2019	EBS

ALS Test Batch ID: 137781 - Water by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	47.2			36	118	02/14/2019	JMK
Naphthalene - BSD	EPA-8270 SIM	43.6	8		36	118	02/14/2019	JMK
Benzo[A]Anthracene - BS	EPA-8270 SIM	89.7			20	150	02/14/2019	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	98.2	9		20	150	02/14/2019	JMK
Chrysene - BS	EPA-8270 SIM	71.3			20	150	02/14/2019	JMK
Chrysene - BSD	EPA-8270 SIM	77.1	8		20	150	02/14/2019	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	97.9			20	150	02/14/2019	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	107	9		20	150	02/14/2019	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	96.1			20	150	02/14/2019	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	104	8		20	150	02/14/2019	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	96.1			20	150	02/14/2019	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	104	8		20	150	02/14/2019	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	98.0			20	150	02/14/2019	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	107	9		20	150	02/14/2019	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	67.1			20	150	02/14/2019	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	73.2	9		20	150	02/14/2019	JMK
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	106			43	140	02/14/2019	JMK
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	116	9		43	140	02/14/2019	JMK

ALS Test Batch ID: 137555 - Water by EPA-8082

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
PCB-1016 - BS	EPA-8082	50.7			44	152	02/08/2019	JMK
PCB-1016 - BSD	EPA-8082	62.4	0		44	152	02/08/2019	JMK
PCB-1260 - BS	EPA-8082	58.9			44	152	02/08/2019	JMK
PCB-1260 - BSD	EPA-8082	74.2	23		44	152	02/08/2019	JMK

ALS Test Batch ID: 137715 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Cadmium - BS	EPA-200.8	103			89.4	110	02/13/2019	RAL
Cadmium - BSD	EPA-200.8	102	1		89.4	110	02/13/2019	RAL
Chromium - BS	EPA-200.8	97.5			88.3	110.2	02/13/2019	RAL



CERTIFICATE OF ANALYSIS

CLIENT: Zipper Geo Associates
19019 - 36th Ave W., Suite E
Lynnwood, WA 98036
CLIENT CONTACT: Jeff Tinklepaugh
CLIENT PROJECT: 1925.23.3

DATE: 2/15/2019
ALS SDG#: EV19020027
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Chromium - BSD	EPA-200.8	97.7	0		88.3	110.2	02/13/2019	RAL
Lead - BS	EPA-200.8	100			87.5	107	02/13/2019	RAL
Lead - BSD	EPA-200.8	100	0		87.5	107	02/13/2019	RAL

APPROVED BY

Laboratory Director

**ZIPPER GEO ASSOCIATES, LLC
GROUNDWATER SAMPLE COLLECTION FORM**

Well ID MW-1 Project Name Poulsbo Les Schwab
 Sample No. MW1, 20190206a Project No. 1925.23.3
 Date 2/6/19 1000 Sampling Personnel KRW

Well Condition

Monument Good Needs Repair Comments _____
 Well Cap Good Needs Repair Comments _____
 Lock Good Replaced _____
 Elevation Mark No Yes Where? _____

Purge Information

Total Well Depth _____ ft. Depth to Product _____ ft.
 Depth to Water 13.40 ft.
 Casing Volume _____ ft. x _____ gal/ft. = _____ x3 = _____ gallons for 3 well volumes
 Casing Volumes: ¾"=0.02 gpf 1"=0.04 gpf 2"=0.16 gpf 4"=0.65 gpf 6"=1.47 gpf

Pump Type Peristaltic Bladder Submersible Other _____
 Baier Type Disposable PVC Teflon Stainless

Purge Start Time: 0934 Purge Stop Time: 1000 Gallons/Liters Purged ~2.5 gallons

Field Parameters

Meter Horiba QED Other _____
 Flow Cell Yes No

Time	Temp °C	pH	ORP mV	Conductivity mS/cm	Turbidity NTU	DO mg/L	Flow Rate ml/min	DTW	Comments
0940	8.98	4.89	300	0.274	47.4	7.96	150	14.02	
0945	9.62	4.89	298	0.271	64.5	7.10		14.21	
0950	9.85	4.91	296	0.272	76.7	6.49		14.39	
0955	10.07	4.91	295	0.273	69.5	5.96		14.53	
1000	10.28	4.91	294	0.274	57.9	5.72		14.58	

Containers

Number	Type	Preservative	Filtered?	Microns
3	<input type="checkbox"/> VOA <input checked="" type="checkbox"/> Amber	<input type="checkbox"/> Poly <input checked="" type="checkbox"/> None <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	
1	<input type="checkbox"/> VOA <input type="checkbox"/> Amber	<input checked="" type="checkbox"/> Poly <input type="checkbox"/> None <input type="checkbox"/> HCL <input checked="" type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	
	<input type="checkbox"/> VOA <input type="checkbox"/> Amber	<input type="checkbox"/> Poly <input type="checkbox"/> None <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	
	<input type="checkbox"/> VOA <input type="checkbox"/> Amber	<input type="checkbox"/> Poly <input type="checkbox"/> None <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	

Micro-Purge Stabilization: DO and Turbidity +/- 10%; pH +/- 0.1; Conductivity +/- 3%; eH +/- 10mv

Comments: _____

Samplers Signature KRW

**ZIPPER GEO ASSOCIATES, LLC
GROUNDWATER SAMPLE COLLECTION FORM**

Well ID MW-2 Project Name Poulsbo Les Schwab
 Sample No. 14W2, 20190206 Project No. 1925.23.3
 Date 2/10/19 @ 1220 Sampling Personnel KRW

Well Condition

Monument Good Needs Repair Comments _____
 Well Cap Good Needs Repair Comments _____
 Lock Good Replaced _____
 Elevation Mark No Yes Where? _____

Purge Information

Total Well Depth _____ ft. Depth to Product _____ ft.
 Depth to Water 19.85 ft.
 Casing Volume _____ ft. x _____ gal/ft. = _____ x3 = _____ gallons for 3 well volumes
 Casing Volumes: ¾"=0.02 gpf 1"=0.04 gpf 2"=0.16 gpf 4"=0.65 gpf 6"=1.47 gpf
 Pump Type Peristaltic Bladder Submersible Other _____
 Bailer Type Disposable PVC Teflon Stainless
 Purge Start Time: 1154 Purge Stop Time: 1220 Gallons/Liters Purged _____

Field Parameters

Meter Horiba QED Other _____
 Flow Cell Yes No

Time	Temp °C	pH	ORP mV	Conductivity mS/cm	Turbidity NTU	DO mg/L	Flow Rate ml/min	DTW	Comments
1200	13.15	5.88	234	0.222	0.0	6.39	125	20.59	
1205	12.59	5.83	227	0.224	0.0	6.32		20.55	
1210	12.15	5.80	239	0.226	0.0	6.24		20.55	
1215	11.85	5.77	242	0.228	0.0	6.18		20.54	
1220	11.64	5.72	245	0.225	0.0	6.13		20.54	

Containers

Number	Type	Preservative	Filtered?	Microns
3	<input type="checkbox"/> VOA <input checked="" type="checkbox"/> Amber	<input type="checkbox"/> Poly <input checked="" type="checkbox"/> None <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	_____
1	<input type="checkbox"/> VOA <input type="checkbox"/> Amber	<input checked="" type="checkbox"/> Poly <input type="checkbox"/> None <input type="checkbox"/> HCL <input checked="" type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	_____
	<input type="checkbox"/> VOA <input type="checkbox"/> Amber	<input type="checkbox"/> Poly <input type="checkbox"/> None <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	_____
	<input type="checkbox"/> VOA <input type="checkbox"/> Amber	<input type="checkbox"/> Poly <input type="checkbox"/> None <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	_____

Micro-Purge Stabilization: DO and Turbidity +/- 10%; pH +/- 0.1; Conductivity +/- 3%; eH +/- 10mv

Comments: Well Tag ID BKZ 1674

Samplers Signature KRW

ZIPPER GEO ASSOCIATES, LLC
GROUNDWATER SAMPLE COLLECTION FORM

Well ID MW-3 Project Name Poulsbo Les Schwab
 Sample No. MW3, 20190206 Project No. 1925.23.3
 Date 2/6/19 Sampling Personnel KRN

Well Condition

Monument Good Needs Repair Comments _____
 Well Cap Good Needs Repair Comments _____
 Lock Good Replaced _____
 Elevation Mark No Yes Where? _____

Purge Information

Total Well Depth _____ ft. Depth to Product _____ ft.
 Depth to Water 10.93 ft.
 Casing Volume _____ ft. x _____ gal/ft. = _____ x3 = _____ gallons for 3 well volumes
 Casing Volumes: ¾"=0.02 gpf 1"=0.04 gpf 2"=0.16 gpf 4"=0.65 gpf 6"=1.47 gpf

Pump Type Peristaltic Bladder Submersible Other _____
 Bailor Type Disposable PVC Teflon Stainless

Purge Start Time: 1014 Purge Stop Time: 1050 Gallons/Liters Purged ~3 gallons

Field Parameters

Meter Horiba QED Other _____
 Flow Cell Yes No

Time	Temp °C	pH	ORP mV	Conductivity mS/cm	Turbidity NTU	DO mg/L	Flow Rate ml/min	DTW	Comments
1020	9.66	5.10	294	0.308	7.3	4.93	200	10.75	
1025	9.49	5.11	283	0.300	7.9	4.67		10.75	
1030	9.65	5.12	290	0.306	6.9	4.31		10.76	
1035	9.98	5.13	277	0.303	7.4	4.45		10.77	
1040	10.25	5.15	273	0.301	8.1	4.10		10.78	
1045	10.55	5.17	267	0.299	7.5	4.55		10.78	

Containers

Number	Type	Preservative	Filtered?	Microns
3	<input type="checkbox"/> VOA <input checked="" type="checkbox"/> Amber	<input type="checkbox"/> Poly <input checked="" type="checkbox"/> None <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	
1	<input type="checkbox"/> VOA <input type="checkbox"/> Amber	<input checked="" type="checkbox"/> Poly <input type="checkbox"/> None <input type="checkbox"/> HCL <input checked="" type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	
	<input type="checkbox"/> VOA <input type="checkbox"/> Amber	<input type="checkbox"/> Poly <input type="checkbox"/> None <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	
	<input type="checkbox"/> VOA <input type="checkbox"/> Amber	<input type="checkbox"/> Poly <input type="checkbox"/> None <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	

Micro-Purge Stabilization: DO and Turbidity +/- 10%; pH +/- 0.1; Conductivity +/- 3%; eH +/- 10mv

Comments: Well tag ID BKZ 015

Samplers Signature [Signature]

**ZIPPER GEO ASSOCIATES, LLC
GROUNDWATER SAMPLE COLLECTION FORM**

Well ID MW-4 Project Name Paulsbo Les Schwab
 Sample No. MW4, 20190206 @ 1130 Project No. 1925, 23, 3
 Date 2/6/19 Sampling Personnel KPN

Well Condition

Monument Good Needs Repair Comments _____
 Well Cap Good Needs Repair Comments _____
 Lock Good Replaced _____
 Elevation Mark No Yes Where? _____

Purge Information

Total Well Depth _____ ft. Depth to Product _____ ft.
 Depth to Water 10.49 ft.
 Casing Volume _____ ft. x _____ gal/ft. = _____ x3 = _____ gallons for 3 well volumes
 Casing Volumes: ¾"=0.02 gpf 1"=0.04 gpf 2"=0.16 gpf 4"=0.65 gpf 6"=1.47 gpf
 Pump Type Peristaltic Bladder Submersible Other _____
 Bailier Type Disposable PVC Teflon Stainless
 Purge Start Time: 1104 Purge Stop Time: 1130 Gallons/Liters Purged _____

Field Parameters

Meter Horiba QED Other _____
 Flow Cell Yes No

Time	Temp °C	pH	ORP mV	Conductivity mS/cm	Turbidity NTU	DO mg/L	Flow Rate ml/min	DTW	Comments
1110	11.50	5.49	246	0.269	11.1	3.13	150	10.72	
1115	11.90	5.11	251	0.267	9.2	2.71		10.71	
1120	12.06	5.38	253	0.267	6.0	2.47		10.73	
1125	12.24	5.35	252	0.266	3.8	2.36		10.74	
1130	12.31	5.40	251	0.266	2.3	2.34		10.73	

Containers

Number	Type	Preservative	Filtered?	Microns
<u>3</u>	<input type="checkbox"/> VOA <input checked="" type="checkbox"/> Amber	<input type="checkbox"/> Poly <input checked="" type="checkbox"/> None <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	_____
<u>1</u>	<input type="checkbox"/> VOA <input type="checkbox"/> Amber	<input checked="" type="checkbox"/> Poly <input type="checkbox"/> None <input type="checkbox"/> HCL <input checked="" type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	_____
_____	<input type="checkbox"/> VOA <input type="checkbox"/> Amber	<input type="checkbox"/> Poly <input type="checkbox"/> None <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	_____
_____	<input type="checkbox"/> VOA <input type="checkbox"/> Amber	<input type="checkbox"/> Poly <input type="checkbox"/> None <input type="checkbox"/> HCL <input type="checkbox"/> Nitric <input type="checkbox"/> Sulfuric <input type="checkbox"/> Other	<input type="checkbox"/> No <input type="checkbox"/> Yes	_____

Micro-Purge Stabilization: DO and Turbidity +/- 10%; pH +/- 0.1; Conductivity +/- 3%; eH +/- 10mv

Comments: Well Tag 10 BK 2 676

Samplers Signature Kal N