Groundwater Monitoring Report

Safeway #1436 Fueling Station/Former My Uncle's Store
7201 Portland Avenue
Tacoma, Washington

October 8, 2020
Terracon Project No. 81167550
TPCHD UST Permit #0000648

Prepared for:
Albertsons Companies
Boise, Idaho

Prepared by:
Terracon Consultants, Inc.
Mountlake Terrace, Washington

October 8, 2020

Albertsons Companies
250 Parkcenter Blvd
PO Box 20
Boise, Idaho 83726

Attn: Mr. Doug Kasefang

Re: **Groundwater Monitoring Report**
Safeway #1436 Fueling Station/Former My Uncle's Store
7201 Portland Avenue
Tacoma, Pierce County, Washington 98404
TPCHD UST Permit #0000648
Terracon Project No: 81167550

Dear Mr. Kasefang:

Terracon Consultants, Inc. (Terracon) is pleased to submit this Groundwater Monitoring Report for the site referenced above (the Site). The services described herein were performed in general accordance with Terracon's Proposal dated October 24, 2016, *Work Plan for Groundwater Monitoring Well Installations and Quarterly Monitoring* dated November 2, 2016 (Terracon Project No. 81167550), and Project Services Agreement dated October 27, 2016.

As detailed in our report, gasoline-, diesel-, and oil-range TPH, and BTEX concentrations in all on-site groundwater monitoring wells remain below MTCA Method A cleanup levels and have remained below Method A cleanup levels for four consecutive quarters. Therefore, additional quarterly groundwater monitoring does not appear to be warranted and Terracon respectfully requests that a determination of No Further Action be provided for the Site.

Terracon appreciates this opportunity to provide environmental services to Albertsons Companies. Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

Kyle Bennett
Staff Geologist

Matt Wheaton, L.G., P.E.
Principal

Groundwater Monitoring Report

Safeway #1436 Fueling Station/Former My Uncle's Store
7201 Portland Avenue
Tacoma, Washington

Terracon Project No. 81167550
October 8, 2020

1.0 SITE DESRIPTION

The Safeway store property is an approximately 4.43-acre tract of land (Pierce County tax parcel 0320274090) located on the southeast corner of Portland Avenue and East 72nd Street in Tacoma, Washington. The Site location is depicted on Exhibit 1 in Appendix A, a portion of the 1994 Tacoma South USGS Topographic map. The Site layout is shown on Exhibit 2 in Appendix A, including the locations of current Site structures, former USTs and dispensers, approximate extents of the former underground storage tanks (USTs) removal and remedial excavation, and the current groundwater monitoring wells.

The northwest portion of the property parcel (the Site) was developed as a gasoline station and convenience store around 1953 and operated until the 1970s. A Chevron-branded gasoline station/convenience store (My Uncle's Store) was constructed on the Site in the late 1970s and operated until 2001, when the USTs were removed. According to Washington State Department of Ecology (Ecology) online records, the former Chevron facility was most recently equipped with three 10,000-gallon single-walled steel USTs (that were used to store unleaded gasoline) that were installed in 1982 and upgraded in 1997. A Safeway fueling station was constructed on the Site in 2002. The Safeway fueling station consists of two 20,000-gallon jacketed steel USTs. Double-walled fiberglass piping supplies fuel to dispensers located on seven dispenser islands, which are covered with a canopy.

Between 2000 and 2002, approximately 5,100 tons of petroleum-contaminated soil (PCS) were removed from the excavation for offsite disposal. Confirmation soil samples collected from the final northern and western extents of the excavation at depths ranging from 3 to 13 feet below ground surface (bgs) contained gasoline-range total petroleum hydrocarbons (TPH) concentrations ranging from 53 to 6,500 milligrams per kilogram (mg/kg) and/or benzene concentrations ranging from 0.08 to 99 mg/kg, which exceed the Model Toxics Control Act (MTCA) Method A cleanup levels of 30 mg/kg and 0.03 mg/kg, respectively. Soil samples collected from the final extent of the southern and eastern excavation sidewalls and from the excavation bottom reportedly did not contain contaminants exceeding the MTCA Method A cleanup levels.

As detailed in Terracon's *Groundwater Monitoring Well Installation and Sampling Report*, dated February 10, 2017, Terracon advanced four soil borings (MW1 through MW4) to depths of approximately 20 feet bgs along the western and northern property boundaries in order to address a request from the Tacoma-Pierce County Health Department (TPCHD) for additional Site characterization data. All soil borings were converted to permanent groundwater monitoring wells. With the exception of benzene and gasoline-range TPH identified at concentrations exceeding MTCA cleanup levels in soil and groundwater samples collected from monitoring well MW2, analytes were not detected above laboratory method reporting limits (MRLs). Additional soil and groundwater sampling results are discussed further in Terracon's February 2017 report.

Between March 2017 and March 2018, quarterly groundwater monitoring has been completed by Terracon on groundwater monitoring wells MW1 through MW4. During each sampling event, groundwater samples were analyzed for gasoline-, diesel-, and oil-range TPH, and for benzene, toluene, ethylbenzene, and xylenes (BTEX). The groundwater samples collected from well MW2 have generally contained benzene at concentrations exceeding MTCA Method A cleanup levels during all sampling events, with the exception of one event conducted in September 2017. Gasoline-range TPH was also initially detected at concentrations exceeding the MTCA Method A cleanup level; however, the detected concentrations reported for the June through March 2018 sampling events were below the MTCA cleanup level.

In May 2018, Terracon completed an interim remedial action in the area of MW2 that consisted of advancing a total of five in-situ injection points to allow for the introduction of the remedial compound, ORC-A, at depths ranging from 5 to 15 feet bgs. A total of approximately 480 pounds of ORC-A were injected throughout the approximate 400-square-foot injection area.

Subsequent to the remedial injections, four groundwater monitoring events were completed and monitoring wells MW1 and MW2 were sampled. Diesel- and gasoline-range TPH were identified in the groundwater sample collected from MW2 at concentrations exceeding MTCA Method A cleanup levels during the June 2018 sampling event; however, only gasoline-range TPH was identified above the MTCA cleanup level in the subsequent, July 2018 sampling event. Although gasoline-range TPH concentrations decreased, relative to the June and July 2018 sampling events, diesel-range TPH concentration remained above the MTCA cleanup level during the October 2018 sampling event. With the exception of diesel-range TPH, the sample collected from MW2 during the March 2019 sampling event did not contain COCs at concentrations exceeding MTCA cleanup levels.

Given the low concentrations of diesel- and oil-range TPH reported in the sample from MW2, the sample collected in December 2019 was additionally analyzed for EPH and VPH in order to develop a site specific MTCA Method B cleanup level. The NWEPH method includes sample cleanup using a modification of the Massachusetts Department of Environmental Protection EPH method (silica gel cleanup). According to the laboratory report, concentrations of aliphatic and

aromatic carbon chains were not identified at concentrations exceeding the laboratory Method Reporting Limits (MRLs). Further discussion regarding these results are summarized in Terracon's Quarterly Groundwater Monitoring Report, dated January 16, 2020, previously provided to TPHCD and Ecology under a separate cover sheet.

Based on the diesel-range TPH detections and the site never previously storing diesel fuel, the client subcontracted with Mascot Equipment Company, Inc., to perform hydrostatic testing of the under-dispenser containment devices (UDCs), product line tightness testing, submersible turbine pump (STP) sumps, UST fill port spill buckets, and tank volumetric tightness testing. Testing was completed on March 26, 2020, and all tests passed with no indications or evidence of a leak. Copies of the hydrostatic and volumetric tank tightness testing reports are provided in Appendix D.

In addition to the UST system testing, a visual investigation of the UST system and fuel station components (e.g. UST observation wells, oil-water separator, catch basins, surface cracking, etc.) was also completed. Evidence of a leak or potential for spills to result in a release were not observed during the visual inspection.

Since December 2016, Terracon has completed 16 quarterly groundwater monitoring events at the site. Most recently, Terracon completed groundwater monitoring events on all four monitoring wells (MW1 through MW4) in December 2019, March 2020, June 2020, and September 2020. The groundwater samples collected from MW1 through MW4 for the past four consecutive quarters did not contain COCs at concentrations exceeding laboratory reporting limits and/or their respective MTCA Method A cleanup levels.

This report presents the results of Terracon's recent quarterly groundwater monitoring event, conducted in September 2020.

2.0 SCOPE OF SERVICES

Terracon's scope of work was conducted in general accordance with our proposal, dated October 24, 2016; *Work Plan for Groundwater Monitoring Well Installations and Quarterly Monitoring,* dated November 2, 2016; and Project Services Agreement, dated October 27, 2016. At the Client's request, our scope of services included completion of the following tasks:

- Collect groundwater samples from all four of the on-site groundwater monitoring wells (MW1 through MW4);
- Complete laboratory analyses of the four groundwater samples; and
- Prepare this Groundwater Monitoring summary report.
- Upload data into the Environmental Information Management (EIM) system database.

2.1 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal and work plan.

2.2 Additional Scope Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable, or not present during these services. We cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this investigation. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations, or exploratory services. The data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

2.3 Reliance

This report has been prepared for the exclusive use of Albertsons Companies, and any authorization for use or reliance by any other party (except for a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Albertsons Companies and Terracon. Any unauthorized distribution or reuse is at Albertsons Companies' sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, report, and the Master Environmental Services Agreement between Terracon and Albertsons Companies.

3.0 GROUNDWATER SAMPLING

On September 10, 2020, a Terracon representative mobilized to the Site to perform groundwater monitoring activities and collect groundwater samples from wells MW1 through MW4.

Prior to sample collection, monitoring wells MW1 through MW4 were opened and exposed to surficial atmospheric conditions, and static depth to groundwater below the top of the well casing

(TOC) was measured in each well. The water level probe was decontaminated using a non-phosphate soap wash and distilled water rinse before use in each well.

Measured depth to water in the wells ranged from 6.74 feet below TOC at MW3 to 8.50 feet below TOC at MW4. Based on depth to water measurements and well TOC survey data, the groundwater elevations at the monitoring wells ranged from 409.28 feet at monitoring well MW2 to 412.48 feet at monitoring well MW4 (see Table 1 in Appendix B). Based on groundwater level measurements collected during Terracon's groundwater sampling event, the groundwater flow direction at the Site is generally toward the west (see Exhibit 3 Groundwater Contour and Flow Map in Appendix A).

The groundwater samples were collected using a peristaltic pump and dedicated tubing. Prior to sample collection, each well was purged at a low flow rate (less than 500 milliliters per minute [mL/min]). During the 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 YSI water quality meter. Purging was considered complete when three consecutive readings for EC, pH, turbidity, DO, and ORP were observed within 10% of one-another.

The same low flow rate used for purging the wells was used for collecting the samples. The discharge from the peristaltic pump was directed into laboratory-supplied glassware. The sample containers were labeled with the project number, date, time, well number, and sample number and placed in a chilled cooler immediately after sampling. The sample containers were subsequently transported to ALS Laboratory Group (ALS), a Washington-certified analytical laboratory, under standard chain-of-custody procedures.

4.0 ANALYTICAL RESULTS

Groundwater samples were analyzed for gasoline-range TPH by Northwest Method NWTPH-Gx, diesel- and oil-range TPH by Northwest Method NWTPH-Dx, and benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021.

Reported groundwater concentrations were compared with the MTCA Method A cleanup levels for unrestricted land use, as applicable, established under Chapter 70.105D Revised Code of Washington (RCW) and its implementing regulation, MTCA Chapter 173-340 Washington Administrative Code (WAC).

The laboratory analytical report and chain-of-custody record are attached in Appendix C.

4.1 Groundwater Analytical Results

Diesel-range TPH was detected in the groundwater samples collected from monitoring wells MW2, MW3, and MW4 at concentrations of 330 micrograms per liter (µg/L), 150 µg/L, and 160 µg/L, respectively. The detected diesel-range TPH concentrations in MW2, MW3, and MW4 are below the MTCA Method A cleanup level of 500 µg/L for diesel. Diesel-range TPH was not reported above laboratory MRLs in the groundwater sample collected from monitoring well MW1.

Oil-range TPH was detected in the groundwater sample collected from monitoring well MW2 at a concentration of 340 µg/L, which is below the MTCA Method A cleanup level of 500 µg/L for oil. Oil-range TPH was not reported above laboratory MRLs in the groundwater samples collected from monitoring wells MW1, MW3, and MW4.

Gasoline-range TPH, and benzene, toluene, ethylbenzene, and xylenes were not reported at concentrations above laboratory MRLs in the groundwater samples collected from monitoring wells MW1 through MW4.

The groundwater analytical results are summarized in Table 1 of Appendix B and on Exhibit 4 in Appendix A.

4.2 Quality Assurance/Quality Control Results

The analytical results for the current investigation were checked for completeness upon receipt from the laboratory to ensure that data and quality assurance and quality control (QA/QC) information requested were present. Data quality was assessed by considering hold times, surrogate recovery, method blanks, matrix spike and matrix spike duplicate (MS/MSD) recovery, and detection limits. Our evaluation assumes that the QA/QC is correct as reported by the laboratory, and merely provides an interpretation of the QA/QC results.

Based upon our interpretation of quality control information provided by the laboratories, it is our opinion that the overall dataset is useable as qualified for the purposes of this investigation.

5.0 INVESTIGATION DERIVED WASTES

Investigation derived wastes (IDW) generated during the groundwater monitoring activities, which consisted of equipment decontamination water and well purge water, were containerized in one Department of Transportation (DOT) approved 55-gallon drum, properly labeled, and temporarily staged onsite, pending receipt of laboratory analytical results. The IDW drum was staged on the east side of the grocery store building near the loading dock. The drum will be properly disposed by a licensed disposal facility. Once picked up and disposed, Terracon will forward the waste manifest to the Client.

6.0 FINDINGS AND CONCLUSIONS

Based on the scope of services described in this report, and subject to the limitations described herein, Terracon concludes the following:

- Measured depth to groundwater in monitoring wells MW1 through MW4 ranged from approximately 6.74 to 8.50 feet bgs, with a groundwater gradient toward the west. This gradient is consistent with previously recorded groundwater migration directions.
- Diesel-range TPH was identified in the groundwater samples collected from monitoring wells MW2, MW3, and MW4, but at concentrations below the MTCA Method A cleanup levels.
- Oil-range TPH was identified in the groundwater sample collected from monitoring well MW2, but at a concentration below the MTCA Method A cleanup level.
- Gasoline-range TPH, and benzene, toluene, ethylbenzene, and xylenes were not reported at concentrations above laboratory MRLs in the groundwater samples collected from MW1 through MW4.

Based on the EPH/VPH results for the groundwater sample collected from monitoring well MW2 during the December 2019 sampling event and given the use of a silica gel cleanup prior to analyses, the reported concentrations of diesel- and oil-range TPH may represent a weathered/degraded hydrocarbon, or these concentrations may also represent the potential presence of biogenic material (e.g., naturally occurring organics) in the groundwater in the vicinity of MW2.

Gasoline-, diesel-, and oil-range TPH, and BTEX concentrations in all on-site groundwater monitoring wells are currently below MTCA Method A cleanup levels and have remained below Method A cleanup levels for four consecutive quarters. Therefore, additional quarterly groundwater monitoring does not appear to be warranted and Terracon respectfully requests that a determination of No Further Action be provided for the Site.

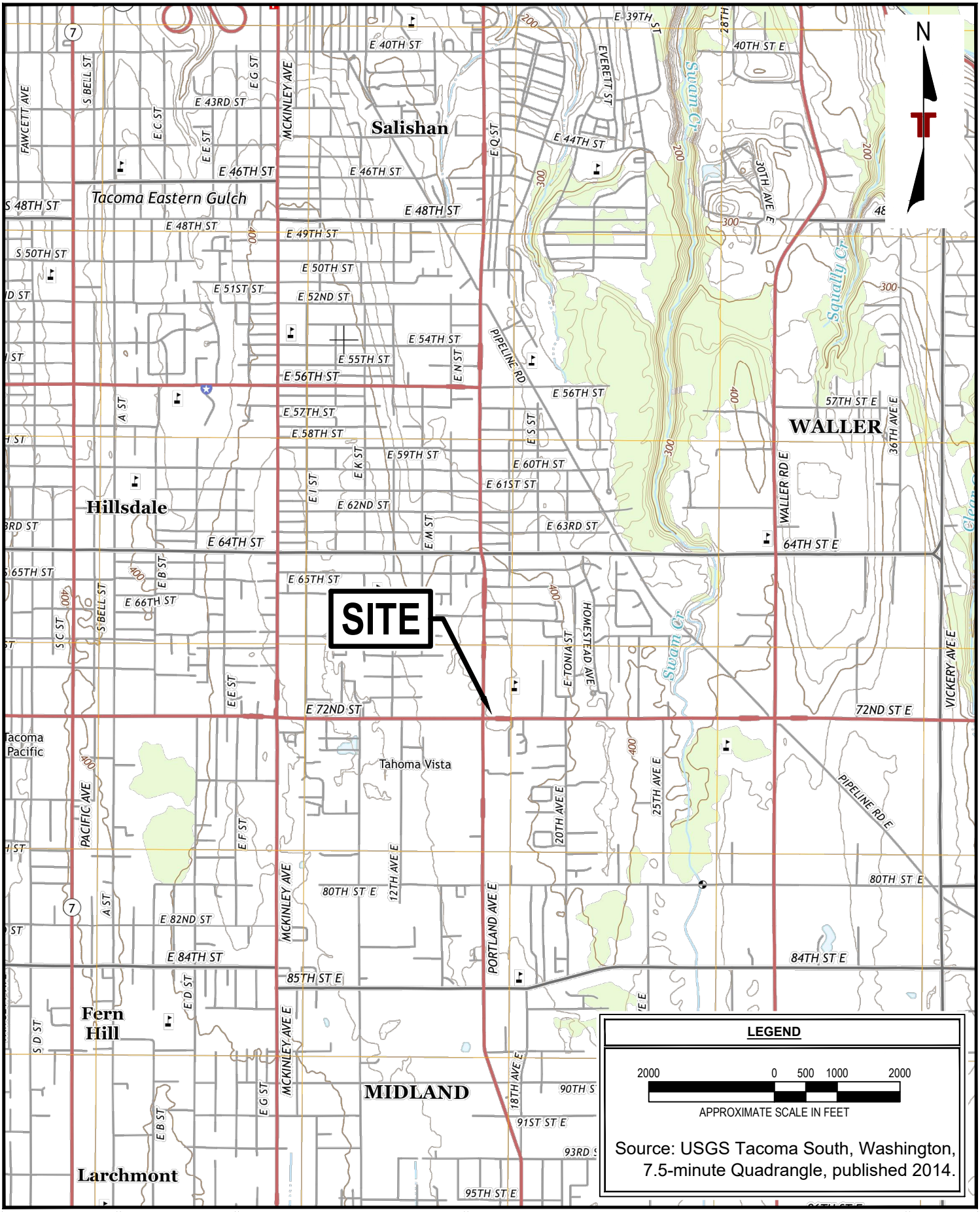
APPENDIX A - EXHIBITS

Exhibit 1 – Topographic Map

Exhibit 2 – Site Diagram

Exhibit 3 – Groundwater Contour & Flow Map – June 2020

Exhibit 4 – Groundwater Analytical Concentrations Map



Project Mngr:	KSB
Drawn By:	AMP
Checked By:	KSB
Approved By:	MYW

Project No.	81167550
Scale:	AS SHOWN
File No.	Exhibit 1
Date:	DEC 2019

Terracon
Consulting Engineers and Scientists
21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043
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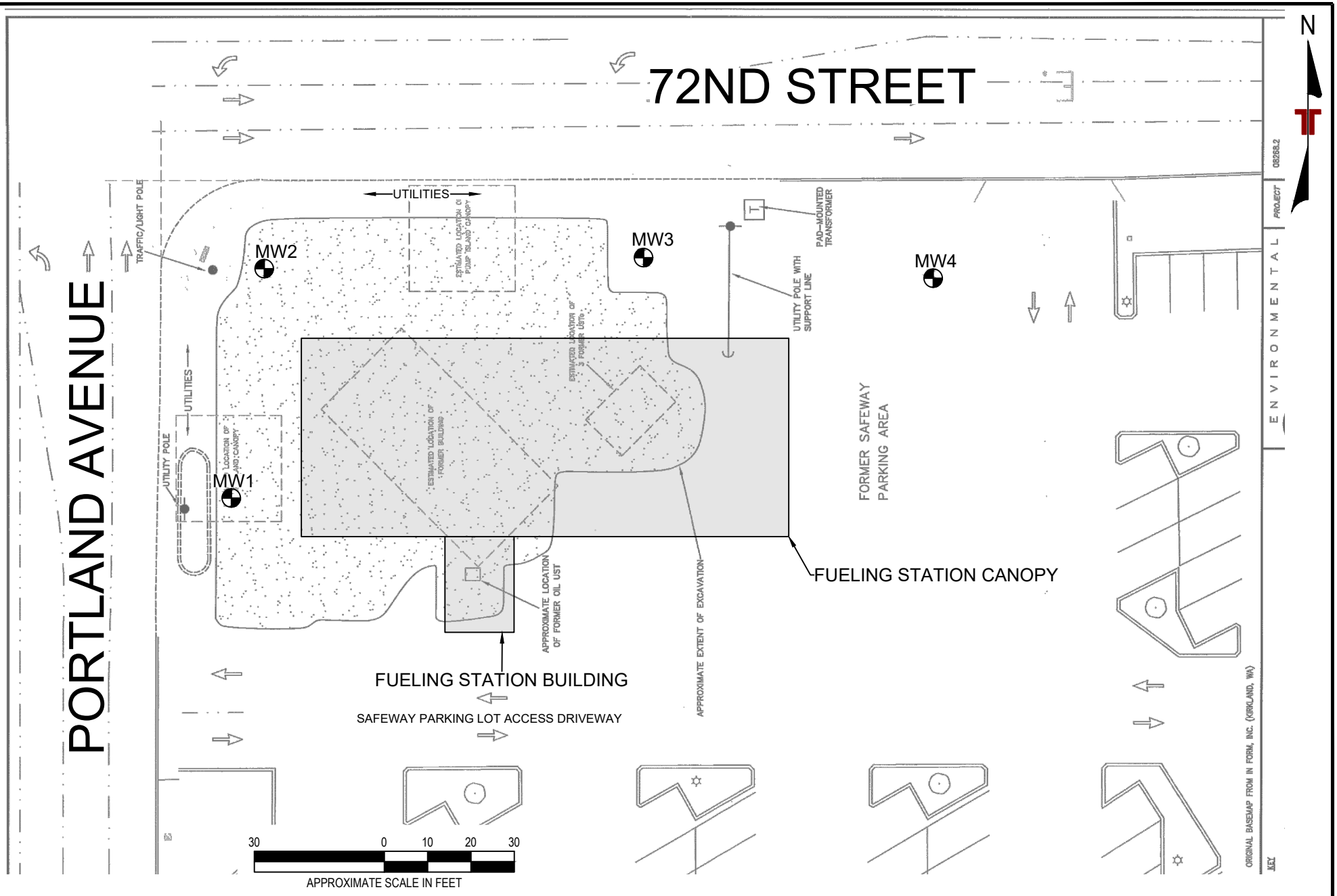
TOPOGRAPHIC MAP

Safeway #1436 Fueling Station
7201 Portland Ave E
Tacoma, Pierce County, Washington

EXHIBIT 1



LEGEND

MW1 — APPROXIMATE LOCATION OF MONITORING WELL

Project Mngr:	KSB
Drawn By:	AMP
Checked By:	KSB
Approved By:	MYW
Project No.	81167550
Scale:	AS SHOWN
File No.	Exhibit 2
Date:	DEC 2018

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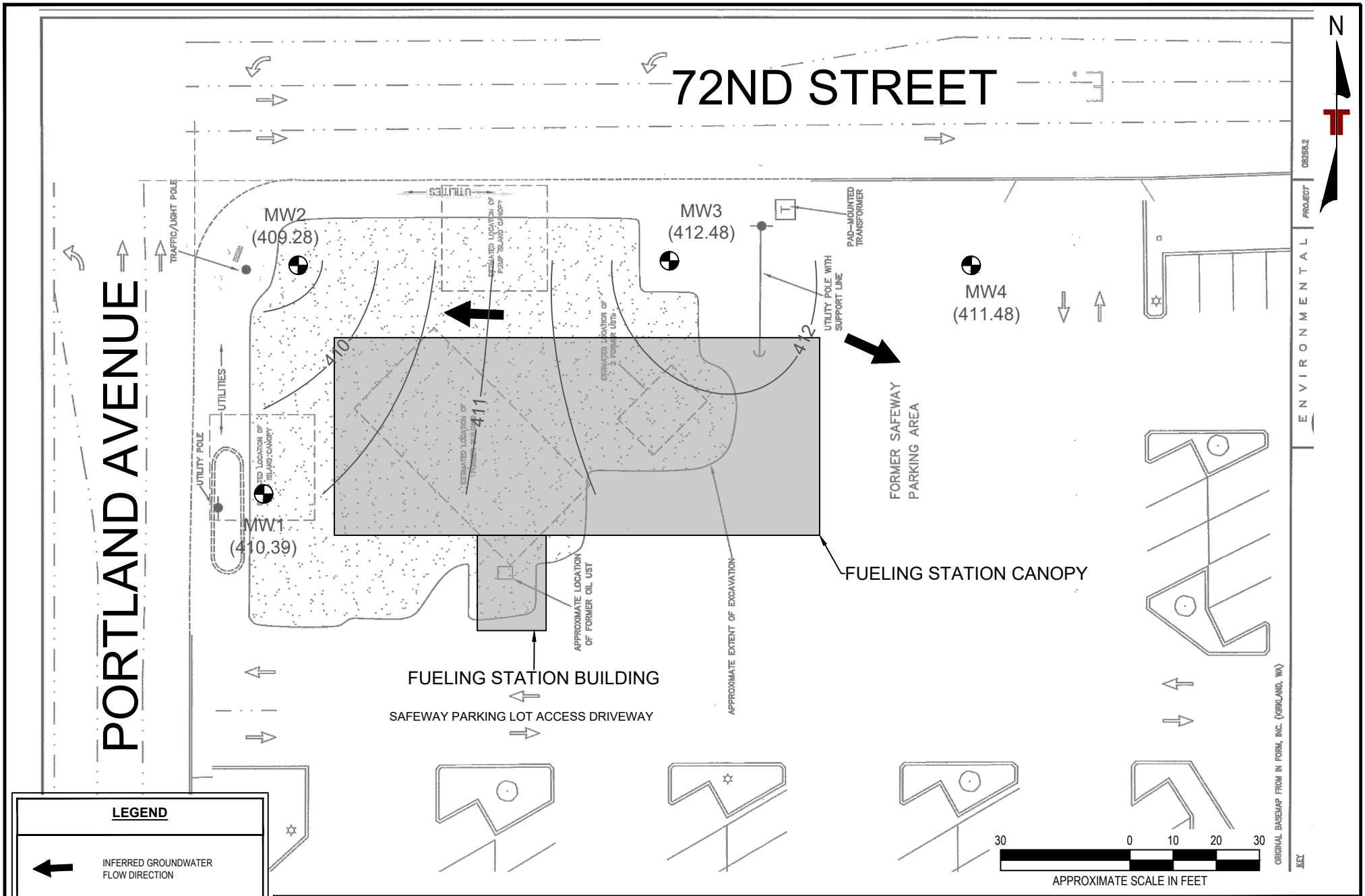
SITE DIAGRAM

Safeway #1436 Fueling Station
7201 Portland Ave E
Tacoma, Pierce County, Washington

EXHIBIT 2



LEGEND

- INFERRED GROUNDWATER FLOW DIRECTION
- MW1 (400) APPROXIMATE LOCATION AND NUMBER OF PERMANENT GROUNDWATER MONITORING WELL, GROUNDWATER ELEVATION (FEET)
- 400 GROUNDWATER CONTOUR ELEVATION (FEET)

Project Mngr:	MYW
Drawn By:	JWD
Checked By:	KSB
Approved By:	MYW

Project No.	81167550
Scale:	AS SHOWN
File No.	Exhibit 3
Date:	SEP 2020

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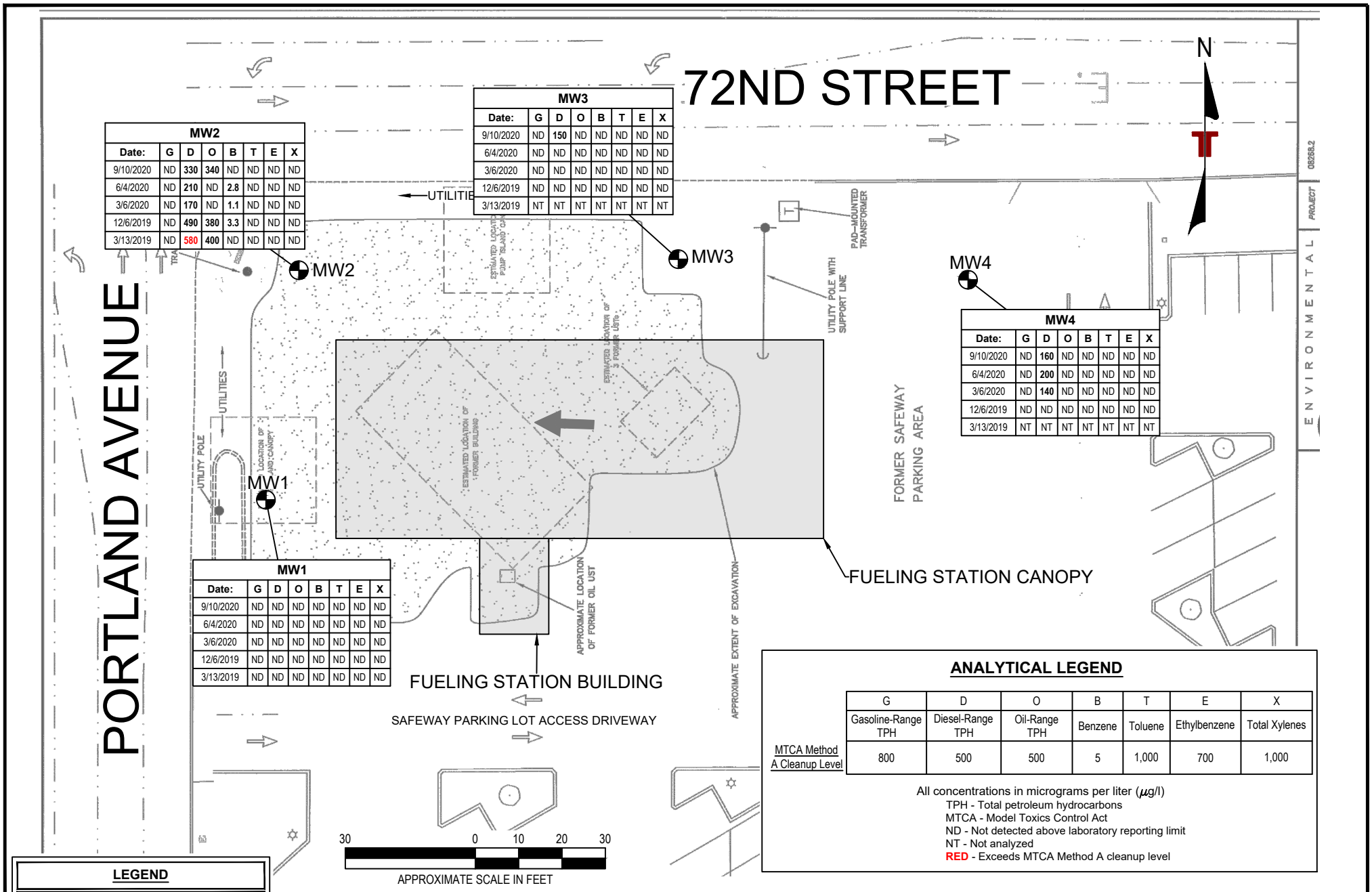
GROUNDWATER CONTOUR & FLOW MAP - SEPTEMBER 2020

Safeway #1436 Fueling Station
7201 Portland Ave E
Tacoma, Pierce County, Washington

EXHIBIT 3



MW2

Date:	G	D	O	B	T	E	X
9/10/2020	ND	330	340	ND	ND	ND	ND
6/4/2020	ND	210	ND	2.8	ND	ND	ND
3/6/2020	ND	170	ND	1.1	ND	ND	ND
12/6/2019	ND	490	380	3.3	ND	ND	ND
3/13/2019	ND	580	400	ND	ND	ND	ND

MW3

Date:	G	D	O	B	T	E	X
9/10/2020	ND	150	ND	ND	ND	ND	ND
6/4/2020	ND	ND	ND	ND	ND	ND	ND
3/6/2020	ND	ND	ND	ND	ND	ND	ND
12/6/2019	ND	ND	ND	ND	ND	ND	ND
3/13/2019	NT	NT	NT	NT	NT	NT	NT

MW4

Date:	G	D	O	B	T	E	X
9/10/2020	ND	160	ND	ND	ND	ND	ND
6/4/2020	ND	200	ND	ND	ND	ND	ND
3/6/2020	ND	140	ND	ND	ND	ND	ND
12/6/2019	ND	ND	ND	ND	ND	ND	ND
3/13/2019	NT	NT	NT	NT	NT	NT	NT

MW1

Date:	G	D	O	B	T	E	X
9/10/2020	ND	ND	ND	ND	ND	ND	ND
6/4/2020	ND	ND	ND	ND	ND	ND	ND
3/6/2020	ND	ND	ND	ND	ND	ND	ND
12/6/2019	ND	ND	ND	ND	ND	ND	ND
3/13/2019	ND	ND	ND	ND	ND	ND	ND

ANALYTICAL LEGEND

	G	D	O	B	T	E	X
	Gasoline-Range TPH	Diesel-Range TPH	Oil-Range TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
MTCA Method A Cleanup Level	800	500	500	5	1,000	700	1,000

All concentrations in micrograms per liter ($\mu g/l$)
TPH - Total petroleum hydrocarbons
MTCA - Model Toxics Control Act
ND - Not detected above laboratory reporting limit
NT - Not analyzed
RED - Exceeds MTCA Method A cleanup level

LEGEND

MW1 — APPROXIMATE LOCATION OF MONITORING WELL

INFERRED GROUNDWATER FLOW DIRECTION

Project Mngr:	KSB
Drawn By:	JWD
Checked By:	KSB
Approved By:	MYW
Project No.	81167550
Scale:	AS SHOWN
File No.	Exhibit 4
Date:	June 2020

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GROUNDWATER ANALYTICAL CONCENTRATIONS MAP

Safeway #1436 Fueling Station
7201 Portland Ave E
Tacoma, Pierce County, Washington

EXHIBIT 4

APPENDIX B - TABLES

Table 1-Summary of Groundwater Analytical Results

TABLE 1

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Safeway #1436 Fueling Station
7201 Portland Avenue
Tacoma, Washington

Terracon Project No. 81167550

all concentrations are in micrograms per liter (µg/l)

Well ID (Top of Casing Elevation [feet])	Sample Date	Depth to Water (feet)	Ground-water Elevation (feet)	TPH			VOCs											EPH[1]	VPH[1]
				Gasoline-Range	Diesel-Range	Oil-Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	Isopropylbenzene	N-Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	S-Butylbenzene	N-Butylbenzene	Naphthalenes		
MTCA Method A Cleanup Level				**800**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**800***	**800***	**80***	**80***	**800***	**400***	**160**	**NE**	**NE**
MW1 (417.26)	9/10/2020	6.87	410.39	ND (<50)	ND (<130)	ND (<250)	ND (<1)	ND (<1)	ND (<1)	ND (<3)	--	--	--	--	--	--	--	--	--
	6/4/2020	5.26	412.00	ND (<50)	ND (<130)	ND (<250)	ND (<1)	ND (<1)	ND (<1)	ND (<3)	--	--	--	--	--	--	--	--	--
	3/6/2020	4.98	412.28	ND (<50)	ND (<130)	ND (<250)	ND (<1)	ND (<1)	ND (<1)	ND (<3)	--	--	--	--	--	--	--	--	--
	12/6/2019	6.02	411.24	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	3/13/2019	4.83	412.43	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	10/25/2018	6.54	410.72	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	7/25/2018	6.32	410.94	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	3/28/2018	5.15	412.11	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	12/26/2017	4.02	413.24	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	9/27/2017	6.65	410.61	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	6/28/2017	5.36	411.90	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	--	--
	3/21/2017	3.98	413.28	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	12/1/2016	5.43	411.83	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	--	--	--	--	--	--	--	--	--
MW2 (417.62)	9/10/2020	8.34	409.28	ND (<50)	**330**	**340**	ND (<1)	ND (<1)	ND (<1)	ND (<3)	--	--	--	--	--	--	--	--	--
	6/4/2020	5.98	411.64	ND (<50)	**210**	ND (<250)	**2.8**	ND (<1)	ND (<1)	ND (<3)	--	--	--	--	--	--	--	--	--
	3/6/2020	4.71	412.91	ND (<50)	**170**	ND (<250)	**1.1**	ND (<1)	ND (<1)	ND (<3)	--	--	--	--	--	--	--	--	--
	12/6/2019	4.91	412.71	ND (<50)	**490**	**380**	**3.3**	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	ND (<50)	ND
	3/13/2019	4.68	412.94	ND (<50)	**580**	**400**	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	10/25/2018	7.62	410.00	**640**	**530**	**250**	**14**	**2.0**	**29**	**5.1**	--	--	--	--	--	--	--	--	--
	7/25/2018	7.41	410.21	**1,100**	**250**	ND (<250)	**18**	**3.7**	**37**	**12**	--	--	--	--	--	--	--	--	--
	6/25/2018	6.79	410.83	**1,000**	**1,100**	**350**	**21**	**3.9**	**25**	**12**	--	--	--	--	--	--	--	--	--
	3/28/2018	5.37	412.25	**650**	ND (<130)	ND (<250)	**6.6**	ND (<2)	**16**	**7.0**	--	--	--	--	--	--	--	--	--
	12/26/2017	4.64	412.98	**600**	ND (<130)	ND (<250)	**8.2**	ND (<2)	**7.3**	**5.8**	--	--	--	--	--	--	--	--	--
	9/27/2017	4.88	412.74	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	6/28/2017	5.46	412.16	**670**	ND (<130)	ND (<250)	**6.7**	ND (<2)	ND (<2)	ND (<4)	**7.2**	**24**	ND (<2)	ND (<2)	**2.6**	ND (<2)	**2.3**	--	--
	3/21/2017	4.53	413.09	**970**	**290**	ND (<250)	**18**	ND (<2)	**25**	**26**	**12**	**29**	**3.1**	**4.0**	**3.1**	**12**	**4.5**	--	--
	12/1/2016	5.23	412.39	**820**	**190**	ND (<250)	**46**	**3.1**	**12**	**21**	--	--	--	--	--	--	--	--	--

TABLE 1

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Safeway #1436 Fueling Station
7201 Portland Avenue
Tacoma, Washington

Terracon Project No. 81167550

all concentrations are in micrograms per liter (µg/l)

Well ID (Top of Casing Elevation [feet])	Sample Date	Depth to Water (feet)	Ground-water Elevation (feet)	TPH			VOCs											EPH[1]	VPH[1]
				Gasoline-Range	Diesel-Range	Oil-Range	Benzene	Toluene	Ethylbenzene	Total Xylenes	Isopropylbenzene	N-Propylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	S-Butylbenzene	N-Butylbenzene	Naphthalenes		
MW3 (419.22)	9/10/2020	6.74	412.48	ND (<50)	**150**	ND (<250)	ND (<1)	ND (<1)	ND (<1)	ND (<3)	--	--	--	--	--	--	--	--	--
	6/4/2020	5.71	413.51	ND (<50)	ND (<130)	ND (<250)	ND (<1)	ND (<1)	ND (<1)	ND (<3)	--	--	--	--	--	--	--	--	--
	3/6/2020	5.03	414.19	ND (<50)	ND (<130)	ND (<250)	ND (<1)	ND (<1)	ND (<1)	ND (<3)	--	--	--	--	--	--	--	--	--
	12/6/2019	6.87	412.35	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	3/13/2019	4.72	414.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/25/2018	7.16	412.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/28/2018	4.96	414.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/26/2017	4.33	414.89	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	9/27/2017	6.88	412.34	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	6/28/2017	5.44	413.78	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	--	--
	3/21/2017	4.21	415.01	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	12/1/2016	5.82	413.40	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	--	--	--	--	--	--	--	--	--
MW4 (419.98)	9/10/2020	8.50	411.48	ND (<50)	**160**	ND (<250)	ND (<1)	ND (<1)	ND (<1)	ND (<3)	--	--	--	--	--	--	--	--	--
	6/4/2020	6.31	413.67	ND (<50)	**200**	ND (<250)	ND (<1)	ND (<1)	ND (<1)	ND (<3)	--	--	--	--	--	--	--	--	--
	3/6/2020	5.56	414.42	ND (<50)	**140**	ND (<250)	ND (<1)	ND (<1)	ND (<1)	ND (<3)	--	--	--	--	--	--	--	--	--
	12/6/2019	7.69	412.29	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	3/13/2019	5.06	414.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/25/2018	8.10	411.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/28/2018	5.34	414.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/26/2017	4.75	415.23	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	9/27/2017	7.99	411.99	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	6/28/2017	5.91	414.07	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	--	--
	3/21/2017	4.64	415.34	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<4)	--	--	--	--	--	--	--	--	--
	12/1/2016	5.42	414.56	ND (<50)	ND (<130)	ND (<250)	ND (<2)	ND (<2)	ND (<2)	ND (<2)	--	--	--	--	--	--	--	--	--

Notes: Concentrations detected above laboratory reporting limits are in **BOLD** type.
Concentrations above MTCA cleanup levels are in **BOLD RED** type and a shaded cell.
Compounds for which no cleanup level has been established are not included in this table.

TPH - total petroleum hydrocarbons
VOCs - volatile organic compounds
EPH - Extractable Petroleum Hydrocarbons
VPH - Volatile Petroleum Hydrocarbons
MTCA - Model Toxics Control Act
1 - See analytical reults for full list of analytes.
NE - Not established
ND - Not detected above laboratory reporting limit.
-- - Not analyzed
* - MTCA Method B Cleanup Level

APPENDIX C – ANALYTICAL REPORT

September 18, 2020

Mr. Kyle Bennett
Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043

Dear Mr. Bennett,

On September 11th, 4 samples were received by our laboratory and assigned our laboratory project number EV20090078. The project was identified as your 81167550. 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

Glen Perry
Laboratory Manager

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Terracon 21905 - 64th Ave W, Suite 100 Mountlake Terrace, WA 98043	DATE: ALS JOB#: ALS SAMPLE#:	9/18/2020 EV20090078 EV20090078-01
CLIENT CONTACT:	Kyle Bennett	DATE RECEIVED:	09/11/2020
CLIENT PROJECT:	81167550	COLLECTION DATE:	9/10/2020 9:50:00 AM
CLIENT SAMPLE ID	MW-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/14/2020	KLS
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	09/17/2020	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/17/2020	EBS
Benzene	EPA-8260	U	2.0	1	UG/L	09/16/2020	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	09/16/2020	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	09/16/2020	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	09/16/2020	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	09/16/2020	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**83.8**	09/14/2020	KLS
C25	NWTPH-DX	**89.4**	09/17/2020	EBS
Toluene-d8	EPA-8260	**103**	09/16/2020	DLC

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

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Terracon 21905 - 64th Ave W, Suite 100 Mountlake Terrace, WA 98043	DATE: ALS JOB#: ALS SAMPLE#:	9/18/2020 EV20090078 EV20090078-02
CLIENT CONTACT:	Kyle Bennett	DATE RECEIVED:	09/11/2020
CLIENT PROJECT:	81167550	COLLECTION DATE:	9/10/2020 11:30:00 AM
CLIENT SAMPLE ID	MW-2	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/14/2020	KLS
TPH-Diesel Range	NWTPH-DX	**330**	130	1	UG/L	09/17/2020	EBS
TPH-Oil Range	NWTPH-DX	**340**	250	1	UG/L	09/17/2020	EBS
Benzene	EPA-8260	U	2.0	1	UG/L	09/17/2020	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	09/17/2020	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	09/17/2020	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	09/17/2020	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	09/17/2020	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**85.7**	09/14/2020	KLS
C25	NWTPH-DX	**80.6**	09/17/2020	EBS
Toluene-d8	EPA-8260	**101**	09/17/2020	DLC

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

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Terracon 21905 - 64th Ave W, Suite 100 Mountlake Terrace, WA 98043	DATE: ALS JOB#: ALS SAMPLE#:	9/18/2020 EV20090078 EV20090078-03
CLIENT CONTACT:	Kyle Bennett	DATE RECEIVED:	09/11/2020
CLIENT PROJECT:	81167550	COLLECTION DATE:	9/10/2020 10:55:00 AM
CLIENT SAMPLE ID	MW-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/14/2020	KLS
TPH-Diesel Range	NWTPH-DX	**150**	130	1	UG/L	09/17/2020	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/17/2020	EBS
Benzene	EPA-8260	U	2.0	1	UG/L	09/17/2020	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	09/17/2020	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	09/17/2020	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	09/17/2020	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	09/17/2020	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**80.9**	09/14/2020	KLS
C25	NWTPH-DX	**82.8**	09/17/2020	EBS
Toluene-d8	EPA-8260	**104**	09/17/2020	DLC

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

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Terracon 21905 - 64th Ave W, Suite 100 Mountlake Terrace, WA 98043	DATE: ALS JOB#: ALS SAMPLE#:	9/18/2020 EV20090078 EV20090078-04
CLIENT CONTACT:	Kyle Bennett	DATE RECEIVED:	09/11/2020
CLIENT PROJECT:	81167550	COLLECTION DATE:	9/10/2020 10:20:00 AM
CLIENT SAMPLE ID	MW-4	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/11/2020	KLS
TPH-Diesel Range	NWTPH-DX	**160**	130	1	UG/L	09/17/2020	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/17/2020	EBS
Benzene	EPA-8260	U	2.0	1	UG/L	09/17/2020	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	09/17/2020	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	09/17/2020	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	09/17/2020	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	09/17/2020	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**82.6**	09/11/2020	KLS
C25	NWTPH-DX	**81.7**	09/17/2020	EBS
Toluene-d8	EPA-8260	**104**	09/17/2020	DLC

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

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Terracon 21905 - 64th Ave W, Suite 100 Mountlake Terrace, WA 98043	DATE:	9/18/2020
		ALS SDG#:	EV20090078
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Kyle Bennett		
CLIENT PROJECT:	81167550		

LABORATORY BLANK RESULTS

MBG-091120W - Batch 157252 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	09/11/2020	KLS

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

MBG-091320W - Batch 157287 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	09/13/2020	KLS

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

MBG-091420W - Batch 157350 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	09/14/2020	KLS

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

MB-091720W - Batch 157514 - Water by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	09/17/2020	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	09/17/2020	EBS

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

MB-091620W2 - Batch 157520 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	09/16/2020	DLC
Benzene	EPA-8260	U	UG/L	2.0	09/16/2020	DLC
Toluene	EPA-8260	U	UG/L	2.0	09/16/2020	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	09/16/2020	DLC
m,p-Xylene	EPA-8260	U	UG/L	4.0	09/16/2020	DLC
o-Xylene	EPA-8260	U	UG/L	2.0	09/16/2020	DLC

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

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CERTIFICATE OF ANALYSIS

CLIENT: Terracon
21905 - 64th Ave W, Suite 100
Mountlake Terrace, WA 98043
CLIENT CONTACT: Kyle Bennett
CLIENT PROJECT: 81167550

DATE: 9/18/2020
ALS SDG#: EV20090078
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 157252 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**87.3**			66.5	122.7	09/11/2020	KLS
TPH-Volatile Range - BSD	NWTPH-GX	**94.2**	**8**		66.5	122.7	09/11/2020	KLS

ALS Test Batch ID: 157287 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**78.8**			66.5	122.7	09/14/2020	KLS
TPH-Volatile Range - BSD	NWTPH-GX	**78.3**	**1**		66.5	122.7	09/14/2020	KLS

ALS Test Batch ID: 157350 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**95.1**			66.5	122.7	09/14/2020	KLS
TPH-Volatile Range - BSD	NWTPH-GX	**94.3**	**1**		66.5	122.7	09/14/2020	KLS

ALS Test Batch ID: 157514 - Water by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	**85.1**			67	125.2	09/17/2020	EBS
TPH-Diesel Range - BSD	NWTPH-DX	**78.2**	**8**		67	125.2	09/17/2020	EBS

ALS Test Batch ID: 157520 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	**90.0**			72.5	136	09/16/2020	DLC
1,1-Dichloroethene - BSD	EPA-8260	**96.2**	**7**		72.5	136	09/16/2020	DLC
Benzene - BS	EPA-8260	**99.3**			74.7	143	09/16/2020	DLC
Benzene - BSD	EPA-8260	**108**	**9**		74.7	143	09/16/2020	DLC
Toluene - BS	EPA-8260	**92.8**			71.7	139	09/16/2020	DLC
Toluene - BSD	EPA-8260	**101**	**9**		71.7	139	09/16/2020	DLC
Ethylbenzene - BS	EPA-8260	**96.7**			50	150	09/16/2020	DLC
Ethylbenzene - BSD	EPA-8260	**107**	**10**		50	150	09/16/2020	DLC
m,p-Xylene - BS	EPA-8260	**97.2**			50	150	09/16/2020	DLC
m,p-Xylene - BSD	EPA-8260	**107**	**10**		50	150	09/16/2020	DLC
o-Xylene - BS	EPA-8260	**97.7**			50	150	09/16/2020	DLC
o-Xylene - BSD	EPA-8260	**108**	**10**		50	150	09/16/2020	DLC

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

APPROVED BY

Laboratory Manager

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626

ALS Group USA, Corp dba ALS Environmental

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV2009078

Date 9/10/20 Page 1 Of 1

PROJECT ID: 61167550
REPORT TO COMPANY: TERRACON
PROJECT MANAGER: KYLE BENNETT
ADDRESS: 21905 64TH AVE W STE 100 MLT, WA 98043
PHONE: 425-771-3304 P.O. #:
E-MAIL: KYLE.BENNETT@TERRACON.COM
INVOICE TO COMPANY:
ATTENTION: AS
ADDRESS: ABOVE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☑	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-1	9/10/20	0950	GW	1		X	X	X													6	
2. MW-2		1130		2																		
3. MW-3		1055		3																		
4. MW-4		1020		4																		
5.																						
6.																						
7.																						
8.																						
9.																						
10.																						

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: TL 9/11/20 1415
   Received By: ALS 9-11-20 1415
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 Standard | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

OTHER:
Specify:

*Turnaround request less than standard may incur Rush Charges

APPENDIX D – SUPPORTING DOCUMENTS

Mascott Equipment Co., Inc.
435 NE Hancock
Portland, OR 97212

April 17, 2020

RE: Safeway Fuel Center 1436

On October 7, 2019 we were asked to inspect the site for diesel issues due to trace evidence of diesel in a monitoring well near the site. On or around October 16th our technician brought back a small sample that was taken from the monitoring well near the site's tank pits that appeared to be light green in color. The liquid would not absorb with a petroleum absorbent pad. Per the technician's notes: *No evidence of any leaks. Only FP's 3/4 & 11/12 have Diesel* per Service Technician Rob Martin on 12/9/2019.

On November 25, 2019 the customer asked us to do more intensive testing on the diesel fuel system after visual inspections were inconclusive. The tests were performed March 26, 2020 and all passed. The tests performed were: Hydrostatic spill bucket on the diesel fill and vapor sumps and the diesel line tightness testing. After testing, nothing indicated any evidence of a leak. It is out professional opinion that the diesel contamination that occurred is not from this site.

Matt Huffman ICC# 00226257

UDC 1-2

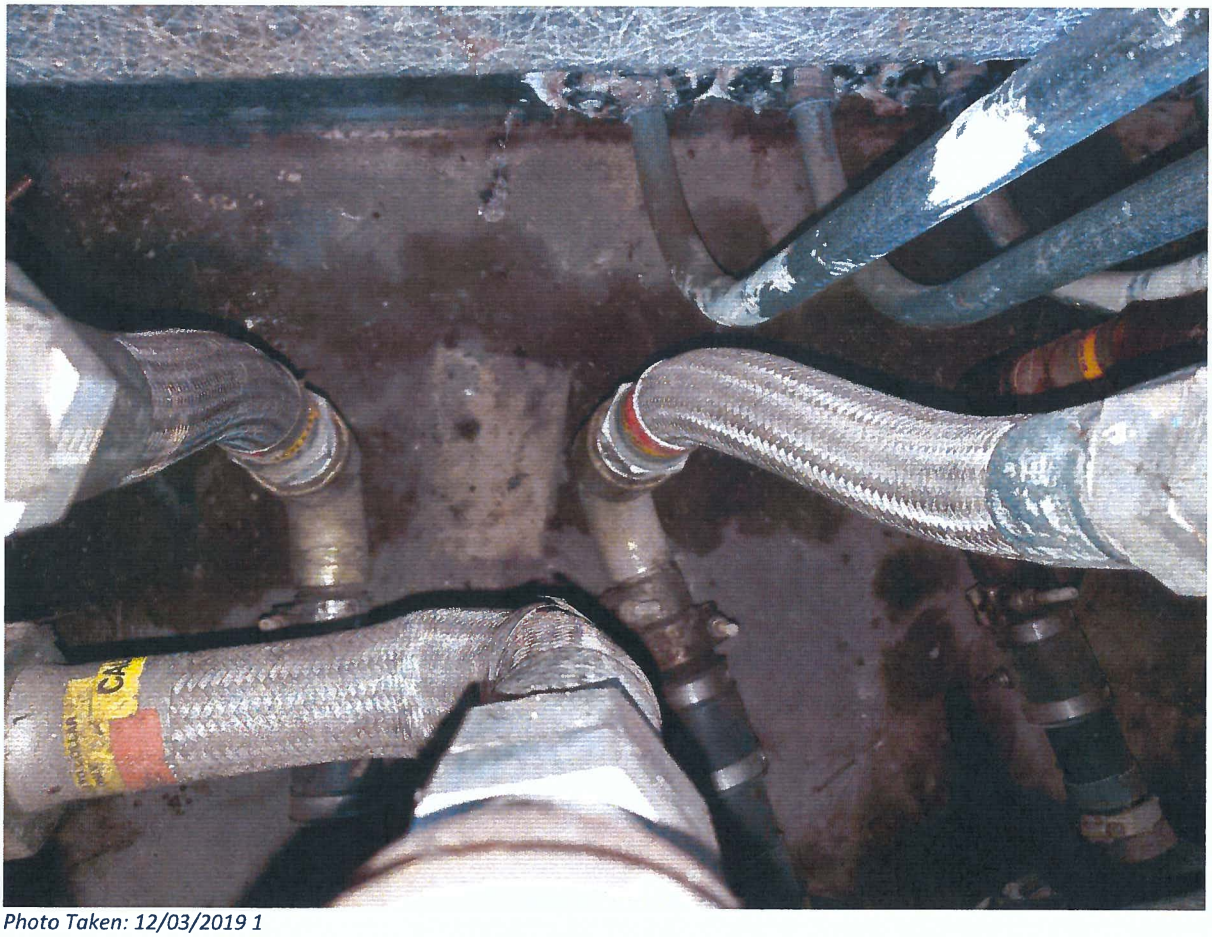


Photo Taken: 12/03/2019 1

UDC 5-6

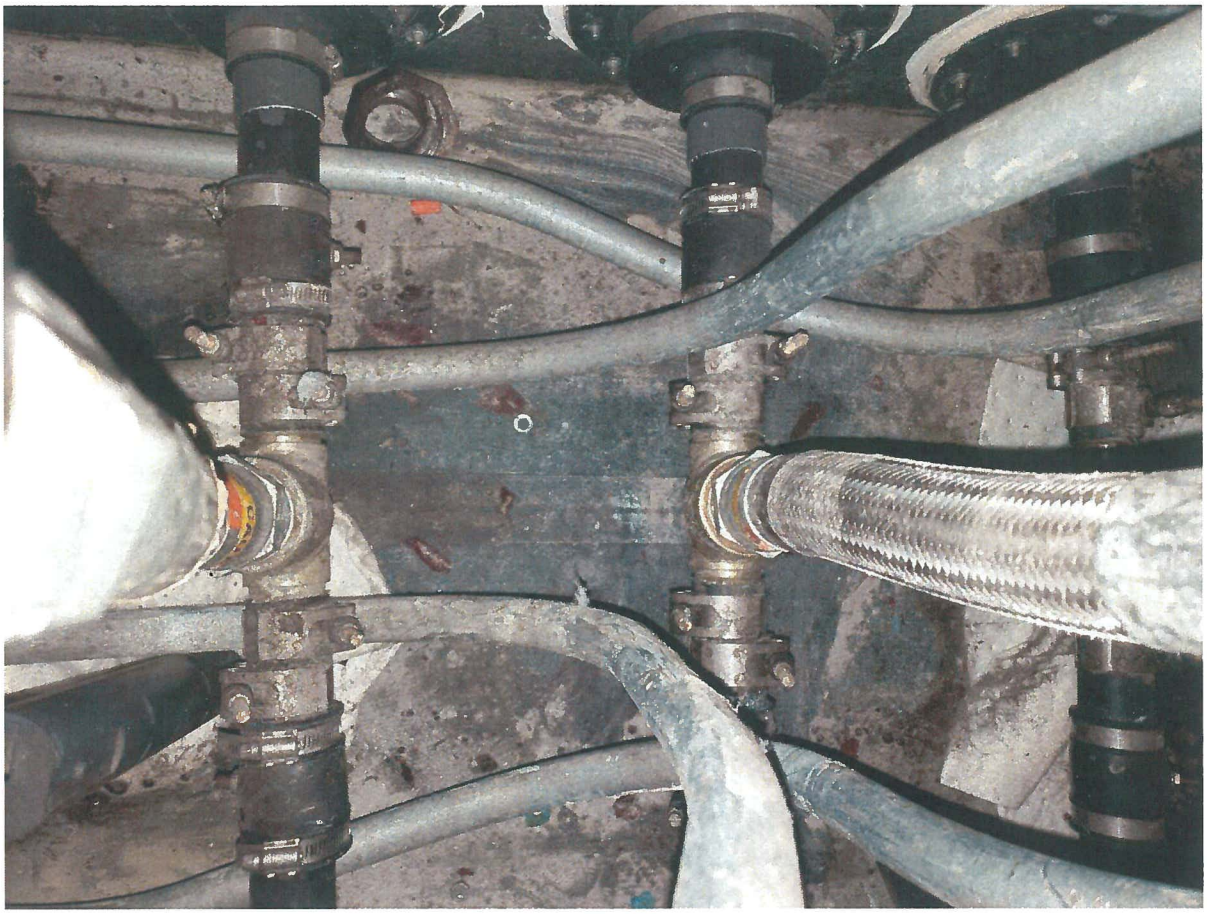


Photo Taken: 12/03/2019

UDC 3-4

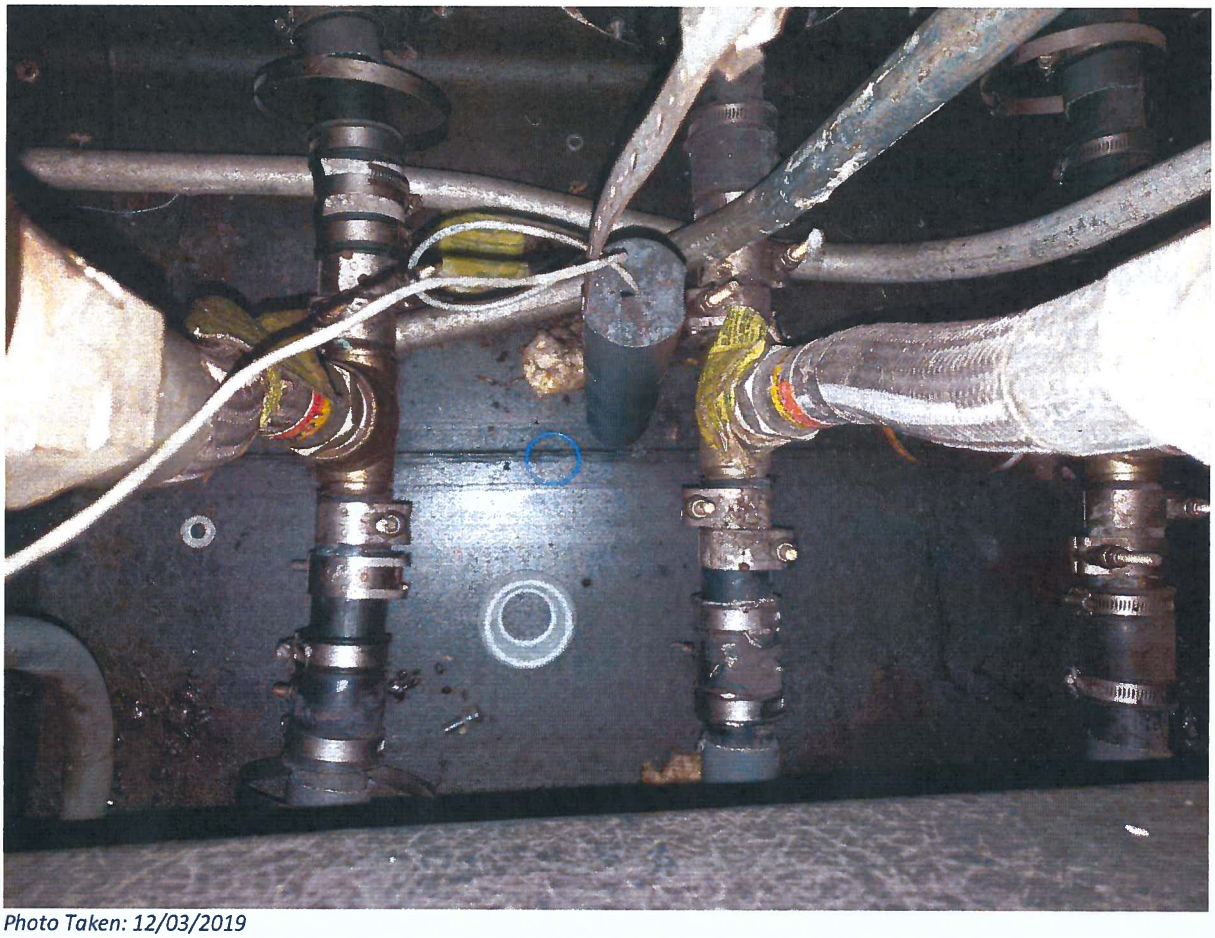


Photo Taken: 12/03/2019

UDC 9-10

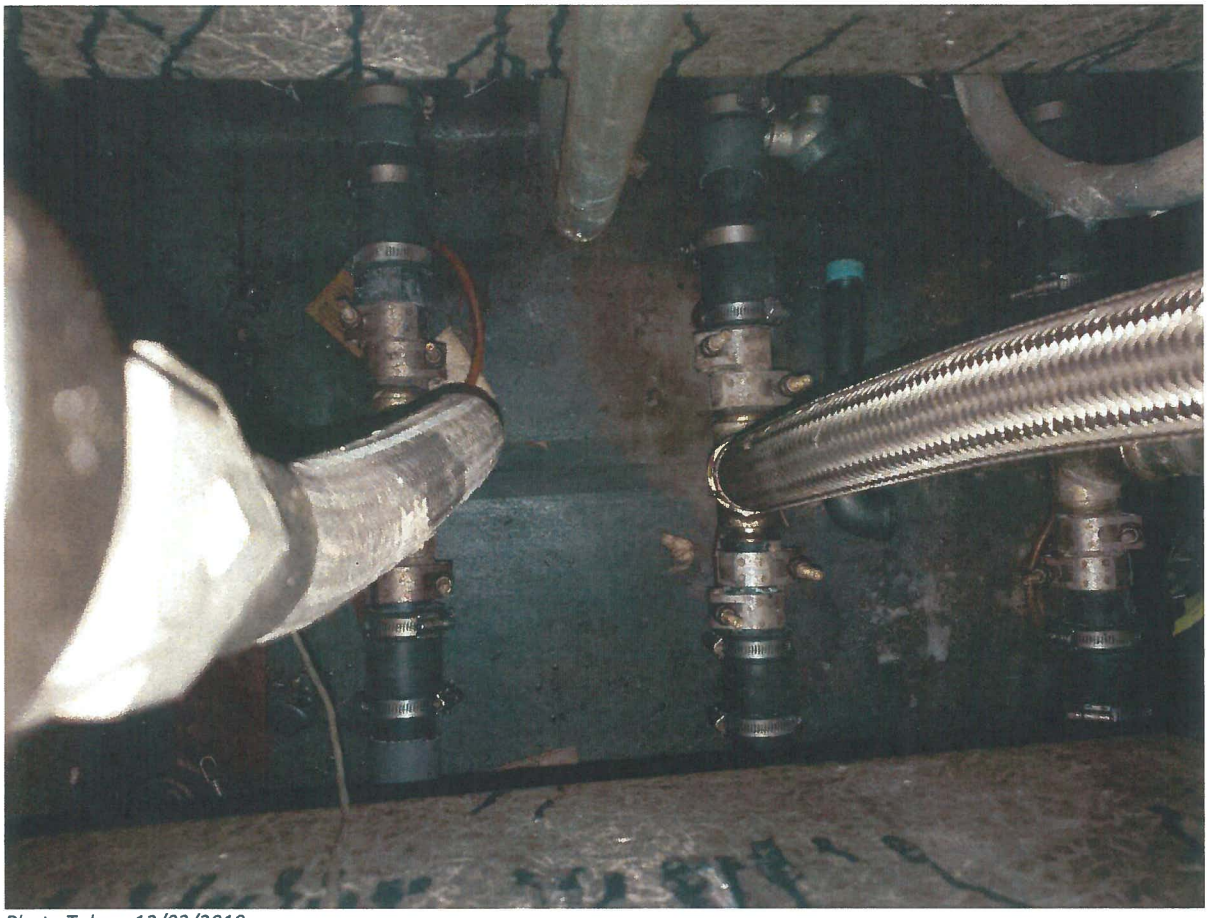


Photo Taken: 12/03/2019

UDC 7-8

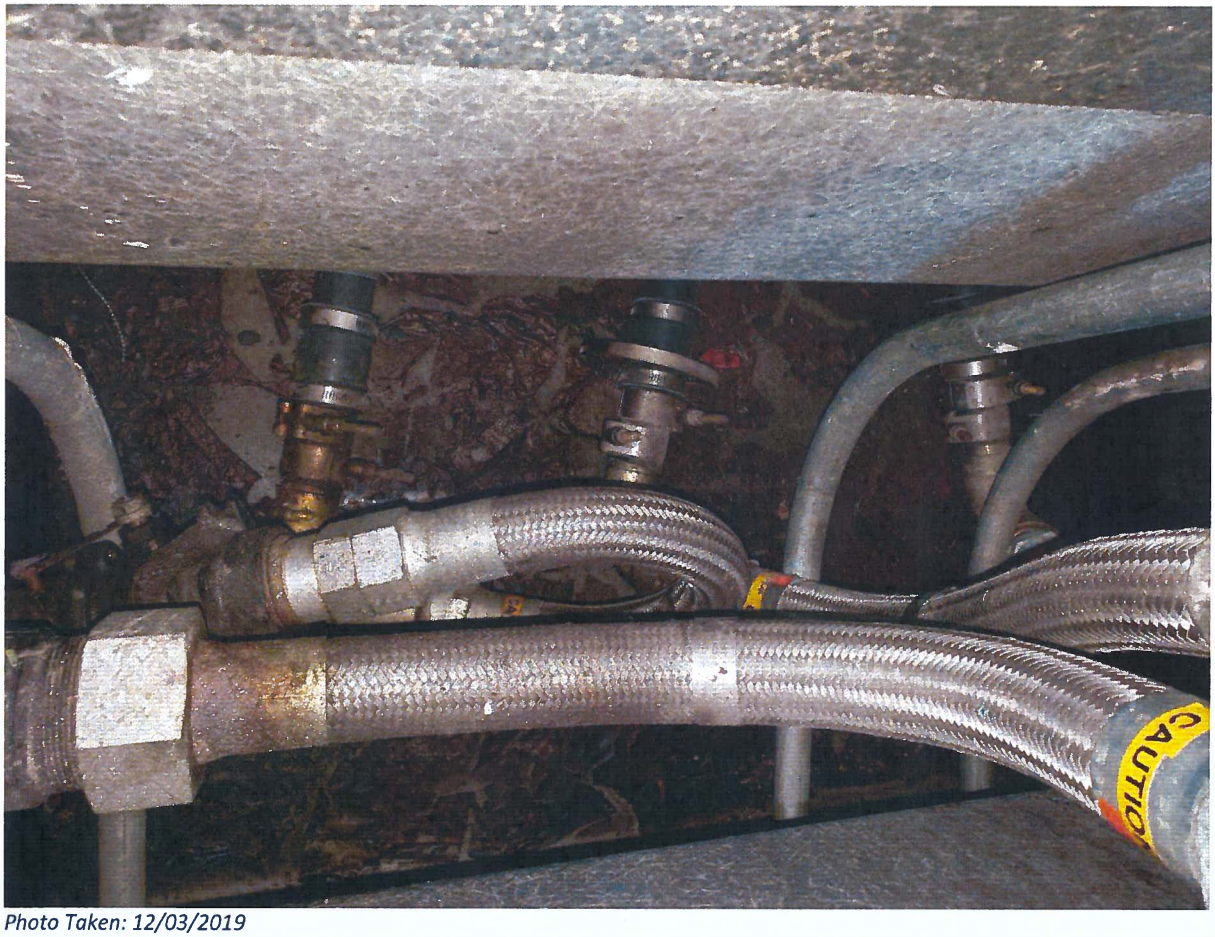


Photo Taken: 12/03/2019

UDC 13-14

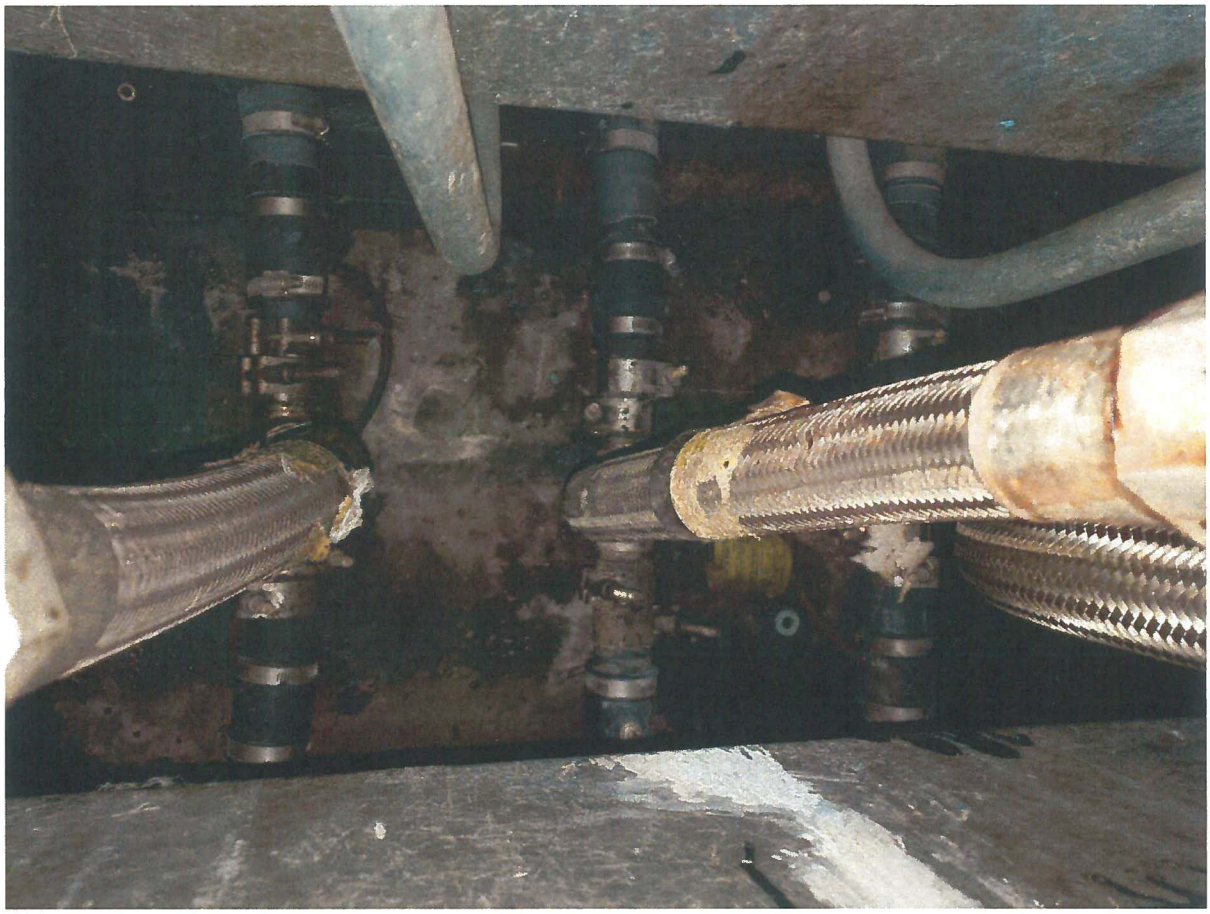


Photo Taken: 12/03/2019

UDC 11-12

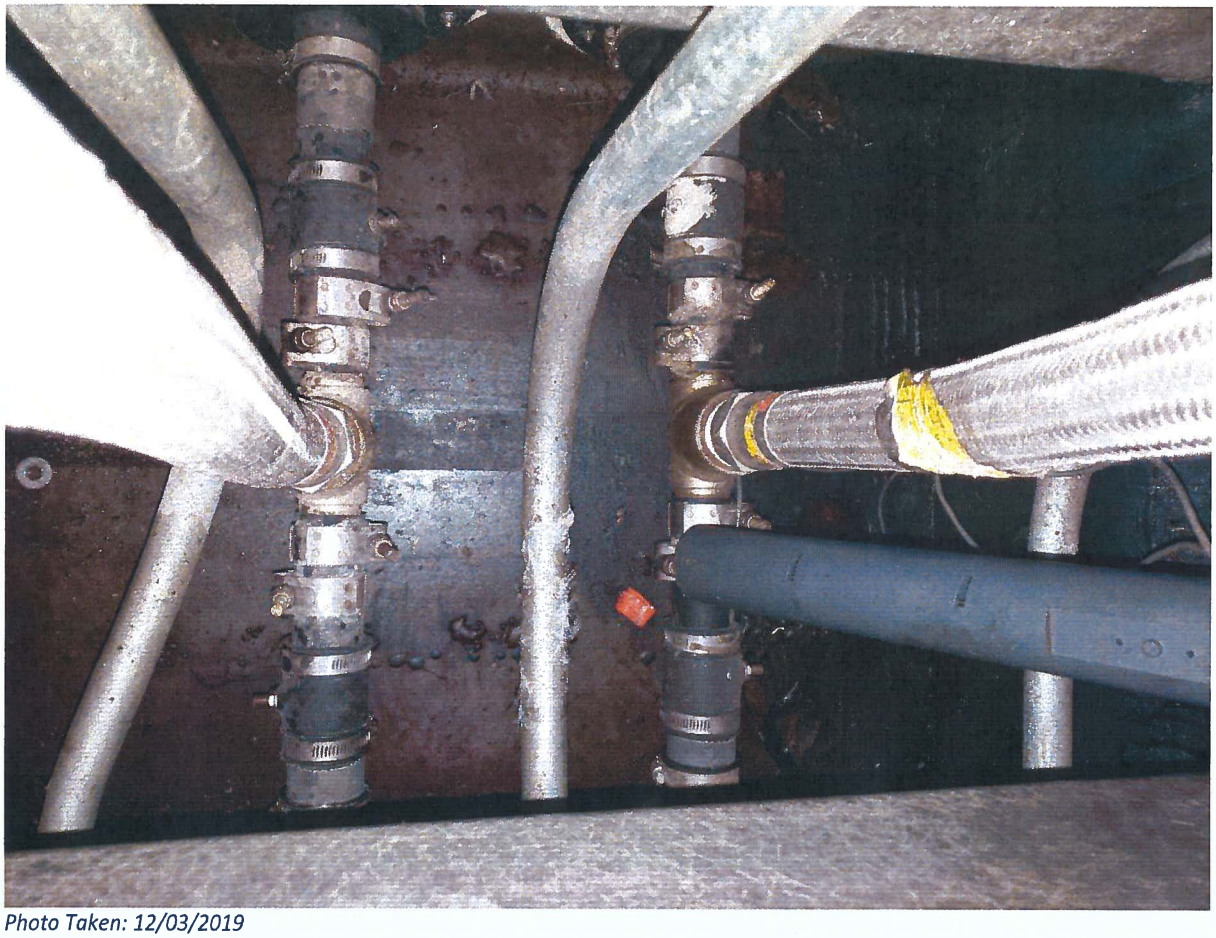


Photo Taken: 12/03/2019

DEPARTMENT OF ECOLOGY
State of Washington

LEAK TESTING CHECKLIST
FOR UNDERGROUND STORAGE TANKS

This checklist certifies testing activities were conducted in accordance with Chapter 173-360A WAC. Instructions are found on pages 4 and 5.

DATE TEST CONDUCTED: 03/25/2020

I. UST FACILITY		II. CERTIFIED SERVICE PROVIDER	
Facility Compliance Tag #:	A8829	Service Provider Name:	M. Huffman
UST ID #:	8647	Company Name:	Mascott Equipment Co.
Site Name:	Safeway 1436	Address:	435 NE Hancock
Site Address:	1624 72nd Portland Ave	City:	Portland State: OR Zip: 97212
City:	Tacoma, WA. 98404	Phone:	(503) 282-2587 Email: mhuffman@mascottec.com
Site Phone:		ICC Certification Type:	U-1, U-3
		ICC Cert. #:	8246910 Exp. Date:

III. UST OWNER/OPERATOR					
Name:	SAME	Phone:		Email:	
Mailing Address:		City:		State:	Zip:

IV. UST SYSTEM INFORMATION based on observations, not Ecology database
-- use bolded acronyms, where applicable --

	Tank ID:	Tank ID:	Tank ID:	Tank ID:
1. Tank ID # (tank name registered with Ecology)	REG	SUPER	DIESEL	
2. Date installed (if known)	01/02	01/02	01/02	
3. Tank capacity (gallons)	20,073	10,037	10,037	
4. Tank material (select **NV** if not visually verified): Steel (**ST**); Steel Clad w/ Corrosion Resist (**CLAD**); Fiberglass Reinforced Plastic (**FRP**); **STIp3;** Not Visible (**NV**)	CLAD	CLAD	CLAD	N/A
5. Tank construction (select **NV** if not visually verified): Single Wall (**SW**); Double Wall (**DW**); Compartment (**COMP**); Not Visible (**NV**)	DW	DWCMP	DWCMP	N/A
6. Piping material (select **NV** if not visually verified): Steel (**ST**); Fiberglass reinforced Plastic (**FRP**); Flexible Plastic (**FLEX**); Not Visible (**NV**); Other (specify): _____	FLEX	FLEX	FLEX	N/A
7. Piping construction (select **NV** if not visually verified): Single Wall (**SW**); Double Wall (**DW**); Not Visible (**NV**)	DW	DW	DW	N/A
8. Pumping system: Pressurized (**PR**); Safe Suction (**SS**); Non-Safe Suction (**NSS**); Siphon (**S**)	PR	PR	PR	N/A

V. Services Performed (check all that apply)

Supporting test data and/or documentation must be attached or this checklist is considered incomplete.

		PASS	FAIL	# tested	Describe: dispenser # used for testing lines and ALLD and other information required to duplicate test results.
Lines	☐ ALLD Test Method Used: VMI 4199 Mfr. Cert. exp. date: 12/30/20 ***Manufacturer and model numbers must be provided for each ALLD on the supporting documentation.***	☐	☐	—	
	☑ Line Tightness Test Method used: Petro-Tite Mfr. Cert. exp. date: 05/25/20	☑	☐	1	Diesel line PASS
	☐ Line Interstitial (or Sump Sensor) Test	☐	☐	—	
Tanks	☐ Tank Tightness Test (i.e. 3rd-party certified test up to overfill prevention level) Method used: _____ Mfr. Cert. exp. date: _____	☐	☐	—	
	☐ Tank Interstitial (or Tank Sensor) Test	☐	☐	—	
UST Equipment	☐ Monitor Equipment Check	☐	☐	—	
	☑ Overfill Equipment Check (check all that apply) — ■ Auto shutoff device	☑	☐	—	PASS
	☐ Ball float valve	☐	☐	—	
	☐ Overfill Alarm	☐	☐	—	
	☑ Spill Bucket Test	☑	☐	2	Diesel vapor and fill PASS
	☐ Tank Sump Test	☐	☐	—	
	☑ Other (describe briefly)	☑	☐	2	Diesel fill and STP sump PASS

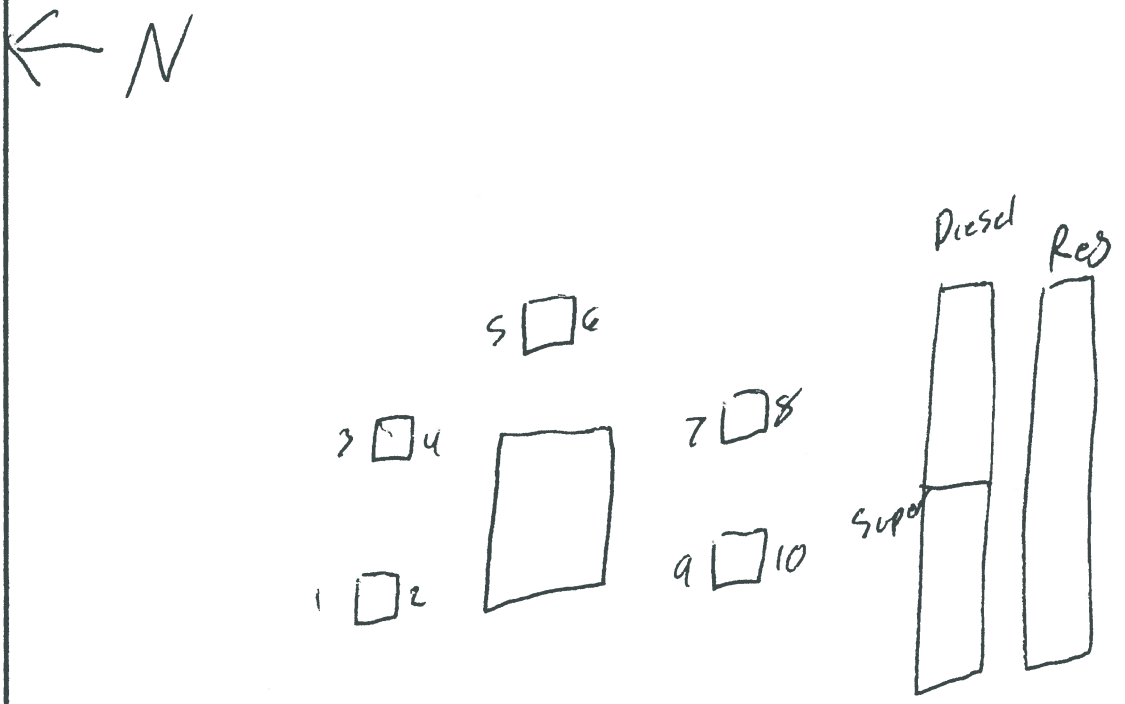
VI. Comments, *including descriptions to problems encountered and how they were addressed.*

VII. Checklist

The following items shall be initialed by the Certified Service Provider.	YES	NO	N/A
1. Have all checked items been tested per recommended practices, code and/or manufacturer's requirements and in accordance with federal and/or state regulations?	☑	☐	☐
2. Has the owner/operator been provided with written documentation of the testing results?	☑	☐	☐
3. Has the owner/operator been made aware of any faulty equipment or necessary repairs?*	☐	☐	☑

VIII. Site Diagram

-- include description and/or locations of equipment tested --



Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173-360A WAC.

IX. Required Signatures

Date	Signature of Certified Service Provider	Print or Type Name
03/25/2020	Matt Huffman (Digitally signed by Matt Huffman DN: cn=Matt Huffman, o, ou, email=Matthuffman518@gmail.com, c=US Date: 2020.03.25 22:20:07 -07'00')	M. Huffman
Date	Signature of Tank Owner or Authorized Representative	Print or Type Name

DATA CHART FOR USE WITH PETROTITE LINE TESTER

WO# : 386090

STATION NUMBER: A8829

DATE: 03/25/2020

1 LOCATION: 1524 72nd Portland Ave, Tacoma, WA. 98404

2 OWNER: Safeway 1436

3 OPERATOR: Safeway 1436

4 REASON FOR TEST:

5 TEST REQUESTED BY: Safeway 1436

6 SPECIAL INSTRUCTIONS:

7 CONTRACTOR OR COMPANY MAKING TEST MECHANIC(S) NAME: MASCOTT EQUIPMENT CO. M. Huffman

8 IS A TANK TEST TO BE MADE WITH THIS LINE TEST? ☐ YES ☑ NO

9 MAKE AND TYPE OF PUMP OR DISPENSER (SUCTION OR SUBMERSIBLE) FE PETRO SUBMERCIBLE

10 WEATHER Cold TEMPERATURE IN TANKS ____ °F ____ °C COVER OVER LINE Concrete BURIAL DEPTH 36"

11 IDENTIFY EACH LINE AS TESTED	12 TIME (MILITARY)	13 LOG OF TEST PROCEDURES, AMBIENT TEMPARATURE, WEATHER, ETC	14 PRESSURE Psi OR kPa		15 VOLUME READING			16 REMARKS SIZE, LENGTH & TYPE OF LINE, # FLEX CONNECTORS CONCLUSION, REPAIRS AND COMMENTS
			BEFORE	AFTER	BEFORE	AFTER	NET CHANGE	
Diesel	1100	Set up for line test. Pressurize line and observe.	60					APPROX. 200' Double wall Flex
	1200	Begin testing	---------- ----------	60	---------- ---------	.0520	---------- ---------	Method of isolation: ISOLATION PLUG
	1215	First reading	54	60	.0520	.0500	-.0020	
	1230	Second reading	56	60	.0500	.0485	-.0015	TESTED BOTH LINES SIMULTANEOUSLY USING
	1245	Third reading	59	60	.0485	.0480	-.0005	MANIFOLD.
	1300	End of test	60	60	.0480	.0480	-.0000	
								LINE BLEEDBACK = 200 ml

DATA CHART FOR USE WITH PETROTITE LINE TESTER WO# : 386090

TEST RESULTS

Line Identification	Pass / Fail	Net Volume Change per Hour	Date Tested
Diesel	PASS	-.0040	03/25/2020

17 CONTRACTOR CERTIFICATION
Tech: M. Huffman

X Matt Huffman Digitally signed by Matt Huffman DN: cn=Matt Huffman, o, ou, email=Mattnhuffman518@gmail.com, c=US Date: 2020.03.25 22:11:47 -07'00'
Signature

CERTIFICATION#
8246910

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name:	Safeway 1436	Date of Testing:	03/25/2020
Facility Address:	1624 72nd Portland Ave, Tacoma, WA. 98404		
Facility Contact:		Phone:	
Date Local Agency Was Notified of Testing :			
Name of Local Agency Inspector *(if present during testing)*:			

2. TESTING CONTRACTOR INFORMATION

Company Name:	Mascott Equipment Company
Technician Conducting Test:	M. Huffman
Credentials[1] ☐ CSLB Contractor ☐ ICC Service Tech. ☑ SWRCB Tank Tester ☐ Other *(Specify)*	
License Number(s):	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	☑ Hydrostatic ☐ Vacuum ☐ Other			
Test Equipment Used:	Water		Equipment Resolution:	
Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 Diesel fill	2 Diesel vapor	3	4
Bucket Installation Type:	☐ Direct Bury ☑ Contained in Sump	☐ Direct Bury ☑ Contained in Sump	☐ Direct Bury ☐ Contained in Sump	☐ Direct Bury ☐ Contained in Sump
Bucket Diameter:	10"	10"		
Bucket Depth:	8"	8"		
Wait time between applying vacuum/water and start of test:	5	5		
Test Start Time (T_I):	1300	1300		
Initial Reading (R_I):	6.5"	3"		
Test End Time (T_F):	1400	1400		
Final Reading (R_F):	6.5"	3"		
Test Duration ($T_F - T_I$):	60 minutes	60 minutes		
Change in Reading ($R_F - R_I$):	0	0		
Pass/Fail Threshold or Criteria:	1/8"	1/8"		
Test Result:	☑ **Pass** ☐ **Fail**	☑ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: Matt Huffman Digitally signed by Matt Huffman DN: cn=Matt Huffman, o, ou, email=Matthuffman518@gmail.com, c=US Date: 2020.03.25 21:56:39 -07'00' Date: 03/25/2020

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

Containment & Spill Bucket Testing Report Form

This form is intended for use by contractors performing testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator.

1. FACILITY INFORMATION

Facility Name: Safeway 1436	Date of Testing: 03/25/2020
Facility Address: 1624 72nd Portland Ave, Tacoma, WA. 98404	
Facility Contact:	Phone:
Name of Local Agency Inspector *(if present during testing)*:	

2. TESTING CONTRACTOR INFORMATION

Company Name: Mascott Equipment Company
Technician Conducting Test: Matt Huffman
Credentials[1]: ☐ Licensed installer ☑ Licensed tightness tester ☐ Other *(Specify)* _____

3. TESTING INFORMATION

Test Method Used:	☑ Hydrostatic	☐ Vacuum	☐ Other
Test Equipment Used: Water			Equipment Resolution:

Identify Containment & Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 Diesel fill Sump	2 Diesel STP	3	4
Containment type, tank top sump, dispenser sump, transition sump, spill bucket?	Tank Top Sump	Tank Top Sump		
For spill bucket, was drain removed and plugged? Yes/No/NA	NA	NA		
Did testing include highest penetration points? Yes/No/NA	Yes	Yes		
Wait time between applying vacuum/water and start of test:	5	5		
Test Start Time (T_I):	1200	1330		
Initial Reading (R_I):	38"	32"		
Test End Time (T_F):	1300	1430		
Final Reading (R_F):	38"	32"		
Test Duration ($T_F - T_I$):	60 Minuses	60 Minuses		
Change in Reading ($R_F - R_I$):	0	0		
Pass/Fail Threshold or Criteria:	1/8"	1/8"		
Test Result:	☑ **Pass** ☐ **Fail**	☑ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: Matt Huffman Digitally signed by Matt Huffman DN: cn=Matt Huffman, o, ou, email=Matthuffman5182@gmail.com, c=US Date: 2020.03.25 22:53:14 -07'00' Date: 03/25/2020

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name:	Safeway 1436	Date of Testing:	03/25/2020
Facility Address:	1624 72nd Portland Ave, Tacoma, WA. 98404		
Facility Contact:		Phone:	
Date Local Agency Was Notified of Testing :			
Name of Local Agency Inspector *(if present during testing)*:			

2. TESTING CONTRACTOR INFORMATION

Company Name:	Mascott Equipment Company
Technician Conducting Test:	M. Huffman
Credentials[1] ☐ CSLB Contractor ☐ ICC Service Tech. ☑ SWRCB Tank Tester ☐ Other *(Specify)*	
License Number(s):	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	☑ Hydrostatic ☐ Vacuum ☐ Other			
Test Equipment Used:	Water		Equipment Resolution:	
Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 Diesel fill	2 Diesel vapor	3	4
Bucket Installation Type:	☐ Direct Bury ☑ Contained in Sump	☐ Direct Bury ☑ Contained in Sump	☐ Direct Bury ☐ Contained in Sump	☐ Direct Bury ☐ Contained in Sump
Bucket Diameter:	10"	10"		
Bucket Depth:	8"	8"		
Wait time between applying vacuum/water and start of test:	5	5		
Test Start Time (T_I):	1300	1300		
Initial Reading (R_I):	6.5"	3"		
Test End Time (T_F):	1400	1400		
Final Reading (R_F):	6.5"	3"		
Test Duration ($T_F - T_I$):	60 minutes	60 minutes		
Change in Reading ($R_F - R_I$):	0	0		
Pass/Fail Threshold or Criteria:	1/8"	1/8"		
Test Result:	☑ **Pass** ☐ **Fail**	☑ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: Matt Huffman Digitally signed by Matt Huffman DN: cn=Matt Huffman, o, ou, email=Matthuffman518@gmail.com, c=US Date: 2020.03.25 21:56:39 -07'00' Date: 03/25/2020

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

Portland 435 NE Hancock Portland, OR 97212
Tri-Cities 200 S. 20th Ave. Pasco, WA 99301
Seattle 6530 5th Place South Seattle, WA 98108
Alaska 5610 Silverado Way Anchorage, AK 98518

Site Name: SAFEWAY 1436 Test Date: 5/2/19
Address: 1624 72ND ST E
City, State, Zip: TACOMA, WA, 98404

Test Data:

	1	2	3	4	5
Product	REG	SUPER	DSL		
Manufacturer	VR	VR	VR		
Model	PLLD	PLLD	PLLD		
Full Operating Pressure (psi)	25	24	27		
Trip Time (sec)	5	5	5		
Test Leak Rate (ml / min)(gph)	2.0	2.0	2.0		
Pass / Fail	PASS	PASS	PASS		

Notes: _____

This document certifies that the leak detectors tests were performed at the facility referenced above in accordance to the equipment manufacturers specifications. The results as listed are to my knowledge true and accurate. This document's test pass/fail is determined using a low flow threshold trip rate of 3 gph at 10 PSI.

Inspected By: _____

Technician Name: FEJERAN

Technician Signature: Fejeran Digitally signed by Fejeran Date: 2019.05.15 10:46:40 -07'00'

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name:	Safeway 1436	Date of Testing:	12/19/19
Facility Address:	1624 72nd St E		
Facility Contact:	Tacoma, WA. 98404	Phone:	
Date Local Agency Was Notified of Testing :			
Name of Local Agency Inspector *(if present during testing)*:			

2. TESTING CONTRACTOR INFORMATION

Company Name:	Mascott Equipment Company
Technician Conducting Test:	M. Huffman
Credentials[1]	☐ CSLB Contractor ☐ ICC Service Tech. ☑ SWRCB Tank Tester ☐ Other *(Specify)* _____
License Number(s):	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	☑ Hydrostatic	☐ Vacuum	☐ Other	
Test Equipment Used:	Water		Equipment Resolution:	

Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	**1** Diesel	**2**	**3**	**4**
Bucket Installation Type:	☐ Direct Bury ☑ Contained in Sump	☐ Direct Bury ☐ Contained in Sump	☐ Direct Bury ☐ Contained in Sump	☐ Direct Bury ☐ Contained in Sump
Bucket Diameter:	10"			
Bucket Depth:	8"			
Wait time between applying vacuum/water and start of test:	5			
Test Start Time (T_I):	1900			
Initial Reading (R_I):	8"			
Test End Time (T_F):	2000			
Final Reading (R_F):	8"			
Test Duration ($T_F - T_I$):	60 minutes			
Change in Reading ($R_F - R_I$):	0			
Pass/Fail Threshold or Criteria:	1/8"			
Test Result:	☑ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: Matt Huffman Digitally signed by Matt Huffman DN: cn=Matt Huffman, o, ou, email=Matthuffman518@gmail.com, c=US Date: 2019.12.27 06:31:46 -08'00' Date: 12/19/19

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

Spill Bucket Testing Report Form

This form is intended for use by contractors performing annual testing of UST spill containment structures. The completed form and printouts from tests (if applicable), should be provided to the facility owner/operator for submittal to the local regulatory agency.

1. FACILITY INFORMATION

Facility Name:	SAFEWAY 1436	Date of Testing:	5/2/19
Facility Address:	1624 72ND ST E, TACOMA, WA 98404		
Facility Contact:		Phone:	
Date Local Agency Was Notified of Testing :			
Name of Local Agency Inspector *(if present during testing)*:			

2. TESTING CONTRACTOR INFORMATION

Company Name:	Mascott Equipment Company
Technician Conducting Test:	G. FEJERAN
Credentials[1]	☐ CSLB Contractor ☐ ICC Service Tech. ☑ SWRCB Tank Tester ☐ Other *(Specify)* _____
License Number(s):	

3. SPILL BUCKET TESTING INFORMATION

Test Method Used:	☑ Hydrostatic	☐ Vacuum	☐ Other	
Test Equipment Used:	Water		Equipment Resolution:	

Identify Spill Bucket *(By Tank Number, Stored Product, etc.)*	1 REG FILL	2 SUPER FILL	3 DSL FILL	4
Bucket Installation Type:	☐ Direct Bury ☑ Contained in Sump	☐ Direct Bury ☑ Contained in Sump	☐ Direct Bury ☑ Contained in Sump	☐ Direct Bury ☐ Contained in Sump
Bucket Diameter:	12"	12"	12"	
Bucket Depth:	10 IN	10 IN	10 IN	
Wait time between applying vacuum/water and start of test:				
Test Start Time (T_I):	2200	2200	2200	
Initial Reading (R_I):	10 IN	10 IN	10 IN	
Test End Time (T_F):	2300	2300	2300	
Final Reading (R_F):	10 IN	10 IN	10 IN	
Test Duration ($T_F - T_I$):	60 minutes	60 minutes	60 minutes	
Change in Reading ($R_F - R_I$):	0	0	0	
Pass/Fail Threshold or Criteria:	1/8"	1/8"	1/8"	
Test Result:	☑ **Pass** ☐ **Fail**	☑ **Pass** ☐ **Fail**	☑ **Pass** ☐ **Fail**	☐ **Pass** ☐ **Fail**

Comments – *(include information on repairs made prior to testing, and recommended follow-up for failed tests)*

CERTIFICATION OF TECHNICIAN RESPONSIBLE FOR CONDUCTING THIS TESTING

I hereby certify that all the information contained in this report is true, accurate, and in full compliance with legal requirements.

Technician's Signature: Fejeran Digitally signed by Fejeran Date: 2019.05.06 14:23:13 -07'00' Date: 5/2/19

[1] State laws and regulations do not currently require testing to be performed by a qualified contractor. However, local requirements may be more stringent.

RESET FORM

DATA CHART FOR USE WITH PETROTITE LINE TESTER

WO# : 359479

STATION NUMBER: A8829

DATE: 5/2/19

1 LOCATION: 1624 72ND ST E, TACOMA, WA, 98404

2 OWNER: SAFEWAY 1436

3 OPERATOR: SAFEWAY 1436

4 REASON FOR TEST: ANNUAL COMPLIANCE TESTING

5 TEST REQUESTED BY: SAFEWAY 1436

6 SPECIAL INSTRUCTIONS:

7 CONTRACTOR OR COMPANY MAKING TEST MECHANIC(S) NAME: MASCOTT EQUIPMENT CO. G. FEJERAN

8 IS A TANK TEST TO BE MADE WITH THIS LINE TEST? ☐ YES ☑ NO

9 MAKE AND TYPE OF PUMP OR DISPENSER (SUCTION OR SUBMERSIBLE) FE PETRO SUBMERSIBLE

10 WEATHER WARM TEMPERATURE IN TANKS 57 °F _____ °C COVER OVER LINE CONCRETE BURIAL DEPTH 36"

11 IDENTIFY EACH LINE AS TESTED	12 TIME (MILITARY)	13 LOG OF TEST PROCEDURES, AMBIENT TEMPARATURE, WEATHER, ETC	14 PRESSURE Psi OR kPa		15 VOLUME READING			16 REMARKS SIZE, LENGTH & TYPE OF LINE, # FLEX CONNECTORS CONCLUSION, REPAIRS AND COMMENTS
			BEFORE	AFTER	BEFORE	AFTER	NET CHANGE	
Regular Unleaded	2100	Set up for line test. Pressurize line and observe.	60					APPROX. 200' DOUBLE WALL FRP
	2200	Begin testing	---------- ----------	60	--------- ---------	.0630	--------- ---------	Method of isolation: ISOLATION PLUG
	2215	First reading	52	60	.0630	.0620	-.0010	
	2230	Second reading	57	60	.0605	.0595	-.0010	TESTED ALL LINES SIMULTANEOUSLY USING
	2245	Third reading	60	60	.0590	.0590	-.0000	MANIFOLD.
	2300	End of test	60	60	.0590	.0590	-.0000	
								LINE BLEEDBACK = 140 ML

DATA CHART FOR USE WITH PETROTITE LINE TESTER WO# : 359479

Super Unleaded	2100	Set up for line test. Pressurize line and observe.	60					APPROX. 200' DOUBLE WALL FRP
	2200	Begin testing	---------- ----------	60	--------- ---------	.0630	--------- ---------	Method of isolation: ISOLATION PLUG
	2215	First reading	55	60	.0620	.0610	-.0010	
	2230	Second reading	57	60	.0595	.0590	-.0005	TESTED ALL LINES SIMULTANEOUSLY USING
	2245	Third reading	60	60	.0590	.0590	-.0000	MANIFOLD.
	2300	End of test	60	60	.0590	.0590	-.0000	
								LINE BLEEDBACK = 150 ML
Diesel	2100	Set up for line test. Pressurize line and observe.	60					APPROX. 200' DOUBLE WALL FRP
	2200	Begin testing	---------- ----------	60	--------- ---------	.0630	--------- ---------	Method of isolation: ISOLATION PLUG
	2215	First reading	58	60	.0610	.0605	-.0005	
	2230	Second reading	60	60	.0590	.0590	-.0000	TESTED ALL LINES SIMULTANEOUSLY USING
	2245	Third reading	60	60	.0590	.0590	-.0000	MANIFOLD.
	2300	End of test	60	60	.0590	.0590	-.0000	
								LINE BLEEDBACK = 200 ML

TEST RESULTS

Line Identification	Pass / Fail	Net Volume Change per Hour	Date Tested
R-Unleaded	PASS	-.0020	5/2/19
S-Unleaded	PASS	-.0015	5/2/19
Diesel	PASS	-.0005	5/2/19

17 CONTRACTOR CERTIFICATION
Tech: G. FEJERAN

X Fejeran Digitally signed by Fejeran Date: 2019.05.15 11:07:36 -07'00'
Signature

CERTIFICATION#
336263160