LIMITED SUBSURFACE SAMPLING AND TESTING

Vacant Former Firestone Complete Auto Care 351 Rainier Avenue South Renton, Washington 98057

KIDDER MATHEWS

ENVIRONMENTAL ASSOCIATES, INC.

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February 18, 2021

JN-40139-1

Mr. Mike Catt, Associate Vice President Kidder Mathews 12886 Interurban Avenue South Seattle, Washington 98168

Subject: LIMITED SUBSURFACE SAMPLING AND TESTING Vacant Former Firestone Auto Care Property 351 Rainier Avenue South Renton, Washington 98057

Dear Mr. Catt:

Environmental Associates, Inc. (EAI) has performed sampling and environmental testing of subsurface soils, groundwater, and soil-vapor at selected localities on the subject property. The purpose of this work was to make an assessment of the conditions beneath the property in recognition of prior on-site auto service and waste oil storage. This report, prepared in accordance with the terms of our proposal dated January 18, 2021, summarizes our approach to the project along with results and conclusions.

The contents of this report are confidential and are intended solely for your use and the use of your representatives. No other distribution or discussion of this report will take place without your prior approval in writing.



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We appreciate the opportunity to be of service on this assignment. If you have any questions or if we may be of additional service, please do not hesitate to contact us.

Respectfully submitted, ENVIRONMENTAL ASSOCIATES, INC.

Jown. Sunor

Don W. Spencer, M.Sc., P.G. Principal

- License: 604 License: 11464 License: 876 License: 5195 License: 0327 REPA: 418290
- (Washington) (Oregon) (California) (Illinois) (Mississippi)



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Prepared for:

Kidder Mathews 12886 Interurban Avenue South Seattle, Washington 98168

Questions regarding this investigation, the conclusions reached should be addressed to one of the following undersigned.

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Environmental Geologist / Project Manager

Nas Don W. Spencer, M.Sc., P.G. Principal laster nos lan License: 604 (Washington) DON W. SPENCER License: 11464 (Oregon) License: 876 (California) License: 5195 (Illinois)

(Mississippi)

Reference Job Number: JN 40139-1

License: 0327

REPA: 418290

February 18, 2021

ENVIRONMENTAL ASSOCIATES, INC.

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INTRODUCTION/SCOPE OF WORK

SITE/PROJECT DESCRIPTION

The subject property is a roughly rectangular - shaped parcel (tax parcel number 000720-0126) covering approximately 15,578 square feet of land or approximately 0.36 acres. Existing improvements consist principally of a single-story building of masonry design enclosing approximately 8,750 square feet of space which was reportedly constructed in 1960. Additional improvements include an asphalt paved parking lot and untended landscaping. The property was recently occupied by a Firestone Automotive Service Center however the building is currently unoccupied. The approximate location of the site is shown on the Vicinity/Topographic Map, Plate 1, appended herewith.

Background

In December 2020, Environmental Associates, Inc.(EAI) completed a Phase I Environmental Site Assessment for the subject. That report identified the following environmental conditions associated with the site:

- Long-term on-site automotive service and repair which utilized in-ground hoists.
- An underground waste oil storage tank (UST) had previously been utilized on the property and reportedly removed at some time in the past. No documentation regarding subsurface conditions at the time of UST removal was discovered in the readily available public record.

EAI recommended that if the client and/or other involved parties desired knowledge of current environmental conditions beneath the site, subsurface sampling and testing could be employed to assess whether impacts were present.

The reader is referred to the above reports for further details.

Current Study

Your expressed interests to evaluate current subsurface conditions beneath the site as memorialized in EAI's proposal dated January 18, 2021, formed the basis for the following scope of work:

- Conduct a geophysical survey of the accessible portions of the site in an attempt to determine the former location of the historic waste oil UST.
- Drill and sample ten (10) borings surrounding the on-site building. Soil and groundwater samples were obtained from the borings and a log of subsurface conditions encountered was prepared for each boring by the EAI project geologist. Soil-vapor samples were collected from three (3) of the borings.

- Laboratory analysis of selected soil and groundwater samples for gasoline, diesel, and heavy oil total petroleum hydrocarbons as well as benzene, toluene, ethylbenzene, xylenes (BTEX) and volatile organic compounds (VOCs). Two (2) samples generally proximal to the former waste oil storage area were submitted for analysis of polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and MTCA-5 metals including arsenic, cadmium, chromium, lead, and mercury. Soil-vapor samples were analyzed for aliphatic/aromatic petroleum hydrocarbons (APHs) and select VOCs including BTEX compounds, naphthalene, and chlorinated solvents.
- Preparation of this summary report documenting the methodology and results of the investigation.

FINDINGS

Geophysical Survey

On January 28, 2021, EAI's technical team performed a geophysical survey of the interior shop areas, storage areas, and exterior parking lot of the subject in an effort to discover the former waste oil UST tank excavation as well as to "clear" each of the proposed boring locations of utilities which may be present in the exploration areas. Ground penetrating radar (GPR) equipment was used to scan for subsurface "anomalies". No anomalies (i.e. vent piping, soil disturbances, etc.) were identified which would otherwise indicate the locality of the former UST. Interior below grade electric, sewer, water, and air lines were noted within the shop building as were features which appeared to be remnants of fence posts along the western building exterior. Additionally, below grade piping was detected running from one of the former hoist areas to an above-ground stand pipe. The stand pipe was found to still contain hydraulic oil. The piping appeared to transport hydraulic oil to the hoist from a former above ground reservoir tank which likely sat next the stand pipe.

SUBSURFACE INVESTIGATION

Soil Boring Sampling

Referring to the attached Site Plan, Plate 2, ten (10) borings were made on February 1 and 2, 2021 at the approximate locations noted as B1 through B10. Boring locations were selected to assess for impacts from the former hoists, as well as from where an above-ground waste oil storage tank (AST) had previously been located. "Guard" holes were also placed along the northern and southern property lines to assess for contaminant migration (if any) along the parcel boundaries. The borings were extended to depths between approximately 12 to 16 feet below ground surface (bgs) depending upon the occurrence of groundwater and reaching depths below the in-ground hoist mechanisms. Recoverable groundwater was generally encountered at various depth zones between approximately 8 feet and 12 feet bgs depending upon location across the site.

Soil and Groundwater Sampling Procedure

Under the observation of the EAI field geologist, a push probe drill rig was brought into position over the borings locations. Following set-up preparations, the push-probe sampling technique consisted of advancing a plastic lined sampler into the ground. The sampler was then withdrawn and the liner was removed and cut open for examination and transfer of the soil sample to laboratory prepared glassware by EPA Method 5035 as well as sterilized 4 ounce jars.

As groundwater was observed in each boring, after soil sampling within the borings had been completed, a temporary well screen was installed in an attempt to sample the groundwater. Small diameter plastic tubing was extended from a peristaltic pump into each temporary well screen to recover groundwater samples.

Soil and groundwater samples were transferred from the sampler directly to sterilized laboratory prepared glassware which were then stored in an iced chest maintained at approximately 4 degrees centigrade at the site and taken to the laboratory in this condition in an effort to preserve sample integrity.

Each sample container was clearly labeled as to boring and sample number/depth, date, time, project, etc. EPA-recommended sample-management protocol was observed at each stage of the project. During drilling, a field log was made by EAI for each boring. Information recorded versus corresponding depth included soil classification (Unified Soil Classification System), color, texture, relative moisture, odors (if present), etc.

Soil-Vapor Sampling Procedure

In an effort to evaluate soil-vapor beneath the floor slab, sampling "pins" (essentially a hollow smalldiameter steel spike) were extended through the concrete slab floor at locations adjacent to B5, B9, and B10 and a soil -vapor sample from immediately beneath the floor slab was collected through the temporary sampling pin and tubing at each location.

Laboratory-prepared "summa canisters" (vacuum cylinders drawing at a predetermined rate) were utilized to collect samples of the subsurface (sub-slab) soil-vapor at the specified locations. Utilizing flow controllers and gauge-vacuum provided by Friedman & Bruya, Inc. of Seattle, Washington, soil-vapor was collected over a span of several minutes.

Each sample container was recorded as to sample number/location, date, time, project, etc. EPA-recommended sample-management protocol was observed at each stage of the project.

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Subsurface Conditions

Referring to boring logs (Plates 3 to 12), soils encountered within the borings generally consisted of silts, sands, and gravels, with sands or silty sands becoming prominent below a depth of 10 feet below ground surface (bgs). Groundwater was generally encountered at depths between 7 to 10 feet bgs. Petroleum odors were noticed in soils collected from boring B7 at depths between 9 to 10 feet bgs.

LABORATORY ANALYSIS

Laboratory analysis of soil and groundwater samples was conducted by ESN Northwest of Olympia and Renton, Washington, Friedman & Bruya, Inc. of Seattle, Washington, and Dragon Analytical Laboratories of Tumwater, Washington, all being WDOE-accredited analytical laboratories. Select soil and groundwater samples were submitted for analysis of gasoline, diesel, and heavy oil total petroleum hydrocarbons (TPH) along with fuel constituents benzene, toluene, ethylbenzene, and xylenes (BTEX) as well as volatile organic compounds (VOCs). Two (2) samples proximal to the former waste oil storage area were also analyzed for polycyclic aromatic hydrocarbons (PAHs), MTCA-5 metals (including arsenic, cadmium, chromium, lead, and mercury), and polychlorinated biphenyls (PCBs). Soil-vapor samples were tested for aliphatic/aromatic petroleum hydrocarbons (APHs), BTEX, naphthalene, and chlorinated solvents.

As summarized in Table 1 attached to this report, total petroleum hydrocarbons (TPH) in the boiling range of diesel was reported in <u>soils</u> collected from boring B7 between 9 to 10 feet bgs. That detection of **7,200** parts per million (ppm) is <u>above</u> the applicable MTCA Method-A compliance limit for diesel TPH, currently published at **2,000** ppm. No other detections of petroleum or BTEX constituents were found in the soil samples analyzed.

As discussed in Table 2 appended to this report, diesel TPH was reported in <u>groundwater</u> samples from borings B6 and B7 at concentrations <u>above</u> the applicable MTCA Method-A cleanup level. Gasoline TPH was also reported in groundwater sampled from B6 however that concentration was below (i.e. compliant with) the published compliance limit for that analyte. Trace detections of toluene were also encountered in groundwater from borings B7, B8, and B9 at compliant concentrations while ethylbenzene was reported in groundwater sampled from B8 at a compliant level.

As documented in Table 3 attached to this report as well as the appended laboratory data, tetrachloroethene (PCE) was reported in soil sampled from B3 at a depth of 10 feet bgs and B6 at a depths between 4 to 15 feet bgs. The detections at B6 at 4 and 10 feet bgs (at concentrations of 0.06 and 0.08 ppm respectively) are <u>above</u> the MTCA Method-A compliance limit for PCE, currently established at 0.05 ppm. Other detections of PCE just met the cleanup level. No other VOCs were reported in the soil samples analyzed.

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As depicted in Table 4 attached to this report and as reflected in the appended laboratory data, PCE was reported in groundwater sampled from boring B2 at a concentration of 1.2 parts per billion (ppb) which is below (i.e. compliant with) the MTCA Method-A compliance limit of 5 ppb for PCE in groundwater.

As reported in Tables 5 and 6 attached to this report as well as the appended laboratory data, no PAHs (carcinogenic or otherwise) were detected in the soil or groundwater samples analyzed from boring B2 (former waste oil UST area).

As summarized in Tables 7 and 8 attached to this report, no detections of PCBs were found in the soil or groundwater samples analyzed from boring B2.

As documented in Table 9, attached to this report, various detections of arsenic, chromium, and lead were reported in the soil sample analyzed from boring B2 (former waste oil UST area). While the lead and arsenic detections were well below their applicable MTCA Method A compliance limits for unrestricted land use, chromium was found at 23.9 parts per million (ppm). There are two (2) species of chromium (Chromium III and Chromium VI) with each having different cleanup levels (2,000 pmm and 19 ppm respectively). Given that the detected concentration in the soil sample is between the two cleanup levels, follow-up testing would need to be conducted to discern what type of chromium is present. With that said, according to the referenced Natural Background Soil Metal Concentrations in Washington State document by WDOE, the "background" levels for chromium in soils in western Washington is 22 ppm, a value similar to the detected concentration in question. Based upon the WDOE data, and site history it would appear that the results of the completed testing would fall into the realm of normal background levels for this area.

As depicted in Table 10 appended to this report, no detections of dissolved arsenic, cadmium, chromium, lead, or mercury were reported in groundwater sampled from B2.

As shown in Table 11 along with the attached laboratory data, various APHs as well as VOCs were detected in the three (3) soil-vapor samples collected at the site. Individual analytes as well as the calculated TPH value were generally compliant with applicable MTCA Method-B screening levels <u>except</u> for naphthalene in each of the soil-vapor samples as well as PCE in soil-vapor sampled from B5 which were <u>above</u> their applicable MTCA Method-B screening limits.

CONCLUSIONS / RECOMMENDATIONS

Relying upon the results of limited soil, groundwater, and soil-vapor sampling and laboratory testing documented in this report, soil, groundwater, and soil-vapor have been impacted by the contaminants of concern (COCs). Based on the findings discussed earlier, EAI concludes that long-term use of the site for automotive service has impacted subsurface materials beneath the site.

In analyzing the data developed thus far, the diesel TPH in soils appears limited to a relatively vertically limited zone positioned between 4 to 16 feet bgs. Based upon field observations, the occurrence may consist of a band just several feet thick. The release appears to have likely originated from the former adjacent hoist mechanism. No diesel TPH was detected in soils collected from multiple depths in adjacent borings. Additionally, diesel impacted groundwater appears limited to the central shop area around borings B6 and B7.

While the single PCE detection in soil at B3 would be considered compliant, non-compliant concentrations of PCE at multiple depths in B6 including at the lowest depth sampled (15 feet bgs) indicates that the PCE release at that locality may have originated from a shallow or surficial (i.e. on-site) source and that the impact may extend to greater depths beneath the site. As PCE was not detected in borings surrounding B6, the areal extent of PCE at B6 may conceivably be limited to that area. The PCE detection at B3 may be from a separate release point. The PCE occurrences in soil appear to be the source of PCE found in soil-vapor collecting from beneath the floor slab.

Acknowledging that the full <u>extent</u> of impacted media was not defined during this preliminary investigation, additional subsurface sampling and testing would be necessary in the event that the client and/or other involved parties wish to quantify the extent of the contamination so that suitable management alternatives can be developed along with a reliable projection of costs which might be associated with implementation of such alternatives.

EAI has been informed that plans for the current structure include demolition. That said, <u>if</u> the structure is to become occupied again, EAI would then recommend that the client consider sampling and testing air from various locations including within and outside the building in an effort to determine whether subsurface vapors are migrating above the floor slab into potential occupied spaces. Alternatively, any new structures should be designed and constructed so as to incorporate an appropriate soil-vapor barrier/vapor mitigation system into the floor slab and foundation system. Indoor and outdoor air testing should then be conducted to verify the performance of that "system".

Finally, to achieve lawful compliance with Chapter 173-340-300, WAC, copies of this report along with any future reports regarding the environmental conditions encountered be forwarded to the Northwest Regional Office of the Department of Ecology (Bellevue, Washington) by the property <u>owner</u>.

LIMITATIONS

This report has been prepared for the exclusive use of Kidder Mathews and their several representatives for specific application to this site. Our work for this project was conducted in a manner consistent with that level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area, and in accordance with the terms and conditions set forth in our proposal dated January 18, 2021. The findings and conclusions of this study are based upon the results of laboratory testing of selected samples obtained from separated boring localities and conditions may vary between those localities or at other locations, media, depths, or date. No other warranty, expressed or implied, is made. If new information is developed in future site work which may include excavations, borings, studies, etc., Environmental Associates, Inc., must be retained to reevaluate the conclusions of this report and to provide amendments as required.

REFERENCES

Environmental Associates, Inc., December 18, 2020, Phase I Environmental Site Assessment. Vacant Former Firestone Complete Auto Care, 351 Rainier Avenue South, Renton, Washington 98057.





Depth/ Sample	Well Design	Moisture/ Water Table	Blows / Foot	USCS	DESCRIPTION
_					
-					No Recovery
		Moist		ML	Brown silt, moist, no odors or discoloration, PID=0
	15'			SP	brown sand
-	l- to				
	en 1	Moist		ML	Brown silts, moist,
	scre	WOISt			no odors or discolorations, PID=0
-	rary				
	Temporary screen 11- to 15'			SP	Grey sand, wet,
0	Ľ,	Wet		ਤਿਸ	no odors or discolorations, PID=0
					Boring terminated at 15 feet below grade on February 1, 202
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1380 - 112th Avenue N.E., Ste. 300 Bellevue, Washington 98004

Boring: B1

Vacant Former Firestone Auto Care Property 351 Rainier Avenue South Renton, Washington

Job Number:	Date:	Logged by:	Plate:
JN 40139-1	February 2021	EAZ	3

Depth/ Well Sample Desigr	Moisture/ B Water Table I	lows /	RING B2
	Dry	SM/ GP	No Recovery Brown silty sand, gravels, dry, no odors or discoloration, PID=0
- to 15'		SP	brown sand
Femporary screen 11- to 15	Moist	ML	Brown silts, moist, no odors or discolorations, PID=0
- Tempora	Wet	SM	Brown silty sand, wet, no odors or discolorations, PID=0
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Job Number:	Date:	Logged by:	Plate:
JN 40139-1	February 2021	EAZ	4

					BOR	ING	B3		
Depth/ Sample	Well Design	Moisture/ Water Table	Blows / Foot	USCS					
-							No Recovery		
		Dry		GM		Br no od	own silt and gravels, dry, lors or discoloration, PID	=0	
5 —	0 15'			SM			brown silts and sand		
10 — 10 —	Temporary screen 11- to 15'	Moist		ML		no od	Brown soft silts, moist, ors or discolorations, PID	i=0	
- - 15 -	Temporary	Wet		SP		no odor	Grey sands, wet, s or discolorations, PID=	0	
							5 feet below grade or		21.
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	5.			SM					
	- to]			Sivi			brown silts and sand		
	een 1	 Moist		SM		Gi	rey silt and sand, moist, rs or discolorations, PID=	-0.1	
	Femporary screen 11- to 15'	monse				10 0001		-0.1	
	ıporaı								
	Ten	Wet		SP		no odors	Grey sand, wet, or discolorations, PID=0	.1	
					Boring te	rminated at 15	feet below grade or	n February 1, 20)2
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Depth/ Well Sample Design	Moisture/ Water Table	Blows / Foot			RING	B5			
	Dry		GM		Br no od	No Recovery rown silt and gravels ors or discoloration,	s, dry, PID=0.	1	
C I I I I C I C I C I C I C I C I C I C	Moist		SP ML		no od	brown sand Grey silt, moist, lors or discoloration:)	
Temporary screen 11- to 15'	Wet		SP		no odo	Grey sand, wet, rs or discolorations,	PID=0		4
				Boring to	erminated at 18	5 feet below grad	de on F	^z ebruary 1, 20	21.
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			BOR	RING	B6		
O Pepth/ Weil Sample Design	Moisture/ Water Table	Blows / Foot USCS	DESCRIP		No Recovery		
	Dry			no od	own silt and gravels, dry, lors or discoloration, PID Recovery - loose materia	=0	
1 		SM		E no od	Brown silt and sand, dry, ors or discolorations, PIE	D=0	
15 +⊡	Wet	SP	Boring te		Grey sand, wet, or discolorations, PID=0 feet below grade of		21.
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- - 35 - - - 40							
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-	Well Design	Moisture/ Water Table	Blows / Foot	uscs	DESCRIPT	ION				
-		P					No Recovery	Ý		
		Dry		ML		no odo	Brown silt, dr rs or discoloratio		1	
	to 15'			SP ML			brown sands Brown silt , mo			
	een 10-	Moist		ML			rs or discoloratio Grey silt, mo	ns, PID=0 ist,	.2	
-	Temporary screen 10- to	Wet		SP		-	Grey sand, we	t,		
-	Fempo					no odor	s or discoloration		3	
; _	к. ⁻	Wet		SP		no odor	Grey sand, we s or discoloration	et, ns, PID=0.	3	
					Boring te	minated at 16	feet below gr	rade on l	February 2, 20	021.
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JN 40139-1	February 2021	EAZ	9

pth/ Well _{Moisture/} Blows / mple <u>Design</u> Water Table Foot	
Dry CI CI CI CI Moist Wet Moist Moist	ML No Recovery ML Brown silt, dry, no odors or discoloration, PID=0.3 SP brown sands ML Brown silt, moist, no odors or discolorations, PID=0.5 Brown sand, wet, Brown silt, moist, no odors or discolorations, PID=0.4 Boring terminated at 12 feet below grade on February 2, 2021.
	MENTAL Boring: B8

Job Number:	Date:	Logged by:	Plate:
JN 40139-1	February 2021	EAZ	10

-	Well Design	Moisture/ Water Table	Blows / Foot	USCS	
		Dry		GM	Brown sand and gravels, dry, no odors or discoloration, PID=0.3
-	7- to 12'			ML	brown silt
	Temporary screen 7- to 12'	Moist		ML SM	Brown silt , moist, no odors or discolorations, PID=0.1 Brown sand to grey silty sand
• •	Tempo	Wet		SP	Brown sand, wet, no odors or discolorations, PID=0.2
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Job Number:	Date:	Logged by:	Plate:
JN 40139-1	February 2021	EAZ	11

				E	BOR	ING	B10		
Depth/ Sample	Well Design	Moisture/ Water Table	Blows / Foot	USCS	DESCRIP	ΓΙΟΝ	and a second		
$\begin{array}{c} 0 & \frac{\text{Sample}}{1} \\ 1 & 1 \\ 5 & 1 \\ 1$	Temporary screen 7- to 12'			USCS SM/ GP SM SM		Brown no od F no odo no odo	No Recovery n silty sand and gravels, d ors or discoloration, PID Brown silty sand, moist, rs or discolorations, PID Brown silty sand, wet, ors or discolorations, PID feet below grade on	=0 =0.3 ==0.3	
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Kidder Mathews

JN-40139-1

TABLE 1 - Peti All	etroleum Hydrocarbons and BTEX - Soil Sampling Results All results and limits in parts per million (ppm)	carbons limits in p	and BTEX oarts per r	(- Soil Sa nillion (p	impling F pm)	Results	
Sample & Depth	Gasoline	Diesel	Heavy Oil	Benzene	Toluene	Ethylbenzene	Total
	(HTH)						Xylenes
B1-10 @ 10' BGS	ND	ND	ND	ND	ND	DN	QN
B2-2.5 BGS	ND	ND	ND	ND	QN	ŊŊ	QN
B3-10 @ 10' BGS	ND	ND	DN	QN	DN	QN	ND
B4-4 @ 4' BGS	ND	ND	DN	QN	DN	ND	ND
B5-3 @ 3' BGS	ND	ND	DN	QN	DN	ND	DN
B6-10 @ 10' BGS	NA	DN	DN	NA	NA	NA	NA
B6-15 @ 15' BGS	ND	ND	DN	ND	QN	ND	QN
B7-4 @ 4' BGS	NA	QN	QN	NA	NA	NA	NA
B7-9-10 @ 9' TO 10' BGS	ND	7,200	QN	QN	DN	QN	DN
B7-16 @ 16' BGS	NA	ND	QN	NA	NA	NA	NA
B8-8 @ 8' BGS	ND	ND	DN	ND	ND	QN	DN
B8-8 @ 8' BGS DUPLICATE	ND	NA	NA	NA	NA	NA	NA
B9-2 @ 2' BGS	ND	ND	DN	DN	QN	QN	DN
B10-8 @ 8' BGS	ND	ΠN	ND	ND	DN	QN	ND
Reporting Limit ³	10	50	100	0.02	0.05	0.05	0.15
WDOE Target Compliance Level ⁴	30 or 100 ⁵	2000	2000	0.03	7	9	6
 Notes: "ND" denotes analyte not detected at or above listed Reporting Limit. "ND" denotes analyte not detected at or above listed Reporting Limit. "NA" denotes sample not analyzed for specific analyte. "NA" denotes sample not analyzed for specific analyte. "Reporting Limit" represents the laboratory lower quantitation limit. Soil samples were field screened using a GasTech combustible gas meter to measure the concentration of combustible gas, such as petroleum VOCs. Fie MTCA gasoline TPH cleanup level is 30 ppm for soils without benzene or toleune, etheylbenzene, and xylenes = more than 1% of gas detections otherwise it is ppm. Laboratory flag advises that "carbon range detection is indicative of kerosene rather than gasoline". Kerosene is measured against a cleanup level of 2,000 ppm. 	 listed Reporting Limit. analyte. analyte.	r to measure the mple in a sealed le or toleune, ett ene rather than g	concentration of c plastic bag and all Jeylbenzene, and : gasoline''. Kerosen	combustible gas, owing soil and ai xylenes = more ti te is measured a	inside the bag in the formula in the formula in the bag in the bag in the formula	im VOCs. to equilibrate. etections otherwise it level of 2,000 ppm.	is 100

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TABLE 2- Petroleun All	n Hydrocarbons and BTEX- Groundwater S results and limits in parts per billion (ppb)	ons and l limits in p	BTEX- Gr	oundwa billion (tter San opb)	n Hydrocarbons and BTEX- Groundwater Sampling Results I results and limits in parts per billion (ppb)	Its
Sample	Gasoline	Diesel	Heavy Oil	Benzene	Toluene	Benzene Toluene Ethylbenzene	Total
	(TPH)	(HAT)	(HTH))	Xylenes
B1	ND	QN	QN	ΩN	QN	QN	QN
B2	ND	QN	QN	QN	DN	QN	QN
B3	ND	QN	QN	QN	QN	QN	QN
B4	ND	QN	QN	QN	QN	QN	QN
B5	ND	QN	QN	QN	QN	QN	QN
B6	240	2,400	QN	ΟN	QN	QN	QN
B7	ND	16,000	QN	QN	2.3	QN	QN
B8	ND	ΟN	QN	QN	2.1	1.0	QN
B9	ND	QN	Q	QN	1.3	QN	QN
B10	ND	ΠŊ	ND	QN	QN	QN	QN
Reporting Limit ³	100	50	100	1	1	1	6
MTCA-Method-A Cleanup Levels ⁴	$800 \text{ or } 1000^5$	500	500	v	1000	700	1000
Notes: 1 - "ND" denotes analyte not detected at or above listed Reporting Limit. 2- "NA" denotes sample not analyzed for specific analyte. 3- "Reporting Limit" represents the laboratory lower quantitation limit. 4- Method A groundwater cleanup levels as published in the Model Tox 5- The MTCA gasoline TPH cleanup level is 800 ppb for groundwater w Bold and Italics denotes concentrations above existing or proposed MTC/	ove listed Reporting Limit. cific analyte. · lower quantitation limit. published in the Model Toxics Control Act (MTCA) 173-340-WAC. 800 ppb for groundwater with benzene. Otherwise, the cleanup level is 1000 ppb. existing or proposed MTCA Method A groundwater cleanup levels.	iit. oxics Control Ac r with benzene. O CA Method A gro	t (MTCA) 173-34 therwise, the clea	0-WAC. anup level is 10 b levels.	.dqq 000		

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TABLE 3- Select VOCs - All results and limits in p					
Sample	Tetrachloroethene (PCE)	Trichloroethene (TCE)	(cis) 1,2 Dichlorocthene	(trans) 1,2 Dichloroethene	Z Uinyl Chloride
B1-10	ND	ND	ND	ND	ND
B2-2.5	ND	ND	ND	ND	ND
B3-10	0.05	ND	ND	ND	ND
B4-4	ND	ND	ND	ND	ND
B5-3	ND	ND	ND	ND	ND
B5-15	ND	ND	ND	ND	ND
B6-4	0.06	ND	ND	ND	ND
B6-10	0.05	ND	ND	ND	ND
B6-15	0.08	ND	ND	ND	ND
B7-9-10	ND	ND	ND	ND	ND
B7-16	ND	ND	ND	ND	ND
B8-8	ND	ND	ND	ND	ND
B9-2	ND	ND	ND	ND	ND
B10-8	ND	ND	ND	ND	ND
Reporting Limit ³	0.02	0.02	0.05	0.05	0.05
Cleanup Level for Unrestricted Land Use (Method-A) ⁴	0.05	0.03			
Cleanup Level - (Method-B) ⁵	480	12	160	1600.0	0.667

Notes:

1 - "ND" denotes analyte not detected at or above listed Reporting Limit.

2- "NA" denotes sample not analyzed for specific analyte.

3- "Reporting Limit" represents the laboratory lower quantitation limit.

4- Method A soil cleanup levels for unrestricted land use as published in the Model Toxics Control Act (MTCA) 173-340-WAC, Table 740-1.

5- Method-B soil cleanup levels for the "direct contact pathway", as published in Ecology's CLARC May 2014 database.

* - Methylene Chloride contamination is suspected laboratory contamination

Bold and Italics denotes concentrations above existing MTCA Method A or B soil cleanup levels.

TABLE 4- Select VOCs - Groundwa All results and limits in parts				sults	
Boring	Tetrachloroethene (PCE)	Trichloroethene (TCE)	(cis) 1,2 Dichloroethene	(trans) 1,2 Dichloroethene	Vinyl Chloride
B1	ND	ND	ND	ND	ND
B2	1.2	ND	ND	ND	ND
B3	ND	ND	ND	ND	ND
B4	ND	ND	ND	ND	ND
B5	ND	ND	ND	ND	ND
B6	ND	ND	ND	ND	ND
B7	ND	ND	ND	ND	ND
B8	ND	ND	ND	ND	ND
B9	ND	ND	ND	ND	ND
B10	ND	ND	ND	ND	ND
Reporting Limit ³	1	1	1	1	0.2
Existing Cleanup Level ⁴	5 (A)	5 (A)	16 (B)	160 (B)	0.2 (A)

Notes:
"ND" denotes analyte not detected at or above listed Reporting Limit.
"NA" denotes sample not analyzed for specific analyte.
"Reporting Limit" represents the laboratory lower quantitation limit.

4- Method A or B groundwater cleanup levels as published in the Model Toxics Control Act (MTCA) 173-340-WAC, amended May 2014.

Bold and Italics denotes concentrations above existing MTCA Method A groundwater cleanup levels.

TABLE All r	5- Carci esults a	nogenic nd limit	: PAHs - s in par	Soil Sa ts per m	mpling illion (p	Results pm)		
Sample Name	Benzo(a)pyrene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3,-cd)pyrene	Benzo(k)fluoranthene	Benzo(a)anthracene	Benzo(b)fluoranthene	Total Carcinogenic PAHs ⁽⁵
B2-2.5	ND	ND	ND	ND	ND	ND	ND	ND
cPAH Toxicity Equivilant Fraction ⁽⁵⁾	1.0	0.01	0.1	0.1	0.1	0.1	0.1	
Reporting Limit ³	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
MTCA-Method-A Residential ⁽⁴⁾	0.1							0.1
MTCA-Method-A Industrial ⁽⁴⁾								2

Notes:

Notes: 1 - "ND" denotes analyte not detected at or above listed Reporting Limit. 2 - "NA" denotes sample not analyzed for specific analyte. 3 - "Reporting Limit" represents the laboratory lower quantitation limit. 4 - Method A soil cleanup level for total carcinogenic PAHs as published in the Model Toxics Control Act (MTCA) 173-340-WAC. 5 - Total carcinogenic PAHs are calculated by suming the product of each cPAH mulitplied by its toxicity equivalency fraction per WAC 173-340-708(8).

Bold and Italics denotes concentrations above existing MTCA Method A soil cleanup levels.

TABLE	6 - Carcinog All results	enic PAI and limi	Hs - Gro ts in pai	undwat ts per b	er Samp illion (p	ling Res pb)	sults	
Strataprobe Boring	Benzo(a)pyrene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3,-cd)pyrene	Benzo(k)fluoranthene	Benzo(a)anthracene	Benzo(b)fluoranthene	Total Carcinogenic PAHs ⁽⁵
B2	ND	ND	ND	ND	ND	ND	ND	ND
cPAH Toxicity Equivalent Fraction ⁽⁵⁾	1.0	0.01	0.1	0.1	0.1	0.1	0.1	
Reporting Limit ³	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Existing Cleanup Level ⁴								0.1

 Notes:

 1 - "ND" denotes analyte not detected at or above listed Reporting Limit.

 2 - "NA" denotes sample not analyzed for specific analyte.

 3 - "Reporting Limit" represents the laboratory lower quantitation limit.

 4 - Method-A Groundwater cleanup level for total carcinogenic PAHs as published in the Model Toxics Control Act (MTCA) 173-340-WAC.

 5 - Total carcinogenic PAHs are calculated by suming the product of each cPAH multiplied by its toxicity equivalency fraction per WAC 173-340-708(8).

Bold and Italics denotes concentrations above existing MTCA Method A soil cleanup levels.

			r - PCBs nd limi							
Sample	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Arochlor 1260	Arochlor 1262	Arochior 1268	Fotal PCBs
B2-2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reporting Limit 3	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Existing Cleanup Level ⁴										1 (A)
es; "ND" denotes analyte not detected i "NA" denotes sample not analyzed "Reporting Limit" represents the lab Method A soil cleanup level for tota	for specific anal oratory lower qu	yte. antitation limi	it.	Toxics Control	Act (MTCA)	173-340-WA	C.	.	.	

Bold and Italics denotes concentrations above existing MTCA Method A soil cleanup levels.

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					1
	Total PCBs	QN		0.1 (A)	
	Arochlor 1268	ΠN	0.05	1	
S	Arochlor 1262	ΟN	0.05	1	
g Result 1 (ppb)	921 1011201A	UN	0.05	L	40-WAC.
amplinç sr billior	Aroclor 1254	ND	0.05	1	(MTCA) 173-3.
E 8 - PCBs - Groundwater Sampling Results esults and limits in parts per billion (ppb)	Aroclor 1248	ND	0.05	8	Control Act (
Ground imits in	Aroclor 1242	ND	0.05	1	e Model Toxics oil cleanup leve
PCBs - ts and li	Aroclor 1232	ND	0.05	8	eporting Limit. itation limit. Jublished in the
TABLE 8 - All resul	Aroclor 1221	ND	0.05	10 VIII 10	above listed R lectific analyte. ry lower quant 8 mixtures as p e existing MTC
TAI /	Aroclor 1016	ND	0.05		letected at or a inalyzed for sp ts the laborato el for total PCE ntrations above
	Sample	B2	Reporting Limit ³	Existing Cleanup Level ⁴	Notes: 1 - "ND" denotes analyte not detected at or above listed Reporting Limit. 2 - "NA" denotes sample not analyzed for specific analyte. 3 - "Reporting Limit" represents the laboratory lower quantitation limit. 4 - Method A soil cleanup level for total PCB mixtures as published in the Model Toxics Control Act (MTCA) 173-340-WAC. Bold and Italics denotes concentrations above existing MTCA Method A soil cleanup levels.

TABLE 9 - MTCA-5 Metals - Soil Sampling Results All results and limits in parts per million (ppm)	Soil S arts pe	sampli er milli	ng Results ion (ppm)		
Sample Name	Arsenie	muimbrJ	тиітоля	рвэД	Μετευτγ
B2-2.5	4	ND	23.9	9.5	DN
Reporting Limit ³	1	0.5	0.5	0.25	0.25
WDOE-Method-A Cleanup Level (unrestricted land use)	20	2	19 / 2000 ⁽⁵⁾	250	2
 Notes: "ND" denotes analyte not detected at or above listed Reporting Limit. "ND" denotes sample not analyzed for specific analyte. "NA" denotes sample not analyzed for specific analyte. "Reporting Limit" represents the laboratory lower quantitation limit. Method A or B cleanup levels as published in the Model Toxics Control Act (MTCA) 173-340-WAC. Results reported as total chromium. The Method A target compliance level for chromium III is 2,000 ppm, while the Method-A compliance level for chromium III is 2,000 ppm, while the Method-A compliance level for chromium VI is 19 ppm. Additional testing of sample B2-2.5 revealed no detections of chromium VI (hexavalent chromium). J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate. 	Act (MTC, evel for chr le B2-2.5 The report	A) 173-340. omium III is revealed no	-WAC. -WAC. s 2,000 ppm, while th o detections of chror ration is an estimate	ie Method-A nium VI	

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TABLE 10 - MTCA-5 Metals - Groundwater Sampling Results All results and limits in parts per billion (ppb)	- Grour s in par	ldwater ts per bi	Samplin Ilion (pp	lg Resul b)	ts
Sample Location	9. SinserA	muimbrJ	mnimordO	рвэД	Mercury
B2 (dissolved)	ND	ΠN	QN	QN	ND
Reporting Limit ³	1	0.5	0.5	0.25	0.25
Existing Cleanup Level ⁴	5 (A)	5 (A)	50 (A)	15 (A)	2 (A)
Notes: 1 - "ND" denotes analyte not detected at or above listed Reporting Limit. 2 - "NA" denotes sample not analyzed for specific analyte. 3 - "Reporting Limit" represents the laboratory lower quantitation limit. 4 - Method A or B cleanup levels as published in the Model Toxics Control Act (MTCA) 173-340-WAC.	porting Limit. ation limit. Toxics Contro	l Act (MTCA) 1	73-340-WAC.		
f - The sample was laboratory filtere prior to analysis.					
Bold and Italics denotes concentrations above existing MTCA Method A soil cleanup levels.	A Method A soil	l cleanup levels			

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r	·					7
	Vinyl Chloride	. 5	<0.84	02.02	9.4	
	ensationoldin't L(L)	0.04	3.6	512		
	snsstarethoroethene	- Ç	÷۲			
-	snsftsoroldsid-2,1-2i2	1.0>	- 1	<1 >	1	10, 2018.
	L.2-Dichloroethane (EDC)	<0.21	<0.13	11 U>	3.2	e For ed January
		2	5	12	52	DE's Guidanc
APH and Select VOCs - Soil Vapor Sampling Results and limits in micro-grams per cubic meter (ug/M³)	Chloroethane	<14	<8.7	<8.2	152,000	Farget Compliance Levels. result in exceedance of the air cleanup level in the overlying structure, per the WDOE's Guidance For timate. Petroleum Hydrocarbon (TPH) Compliance Limit per WDOE Memorandum 18 document published January 10, 2018
	Trichloroethene (TCE)	<0.56	<0.35	<0.33	12	ng structure DE Memorar
tpor San cubic π	Tetrschlorocthene (PCE)	440.0	<22	<21	320	the overlyid
- Soil Vap ams per o	НАДВОСУВВОИЗ (LЬН) LOLYF БЕТВОГЕЛМ	2.730.8	1.672.8	1.526.2	4,700	anup level ir ompliance Li
t VOCs nicro-gr	ənəlatiyaqaN	3.1	3.4	3.6	2.50	rels. f the air cle. n (TPH) Cc
l Selec its in n	Total Xylenes	117.0	109.0	126,0	1,500	liance Lev :edance o' :ydrocarbo
PH and and lim	Ethylbenzene	16.0	15.0	18.0	15,000	arget Compliance Levels esult in exceedance of th imate. Pelroleum Hydrocarbon (
	Toluene	86>	<62	63.0	76,000	d-B Air Ta to not res is an estin th Total Pe
TABLE 11 - All results	əuəzuəg	4.7	5.4	5.6		lard Metho g expected e reported eplaced wi
	APH EC9-10 aromatics	180.000	170	190.000	\$000	'DOE Stand th a buildin e. The vafu n use and r
	APH EC9-12 alighatics	510	460	410	4700*	ceed the W i just benea oration rang
	APH ECS-8 aliphatics	0061	910 fb	710 fb	*00006	unds that ex the soil gas L. K. Mance levels
	Location	Adjacent to former in- ground hoist and oil line	Within former service bay in eastern half of the	margin of the property in former material storage	WDOE - Soil Vapor Screening Levels ¹	Boid and Italics indicate concentrations of compounds that exceed the WDOE Standard Method-B Air Target 1. Soil gas screening level that concentrations in the soil gas just beneath a building expected to not result in Evaluating Soil Vapor Intrusion - (April, 2013). 1. Soil gas screening response exceeded the Valid instrument calibration range. The value reported is an estimate. 1. The analyte response exceeded the Valid instrument calibration range. The value reported is an estimate. 1. The analyte was detected in the method blank. 1. Individual petroleum fraction hydrocarbon compliance levels no longer in use and replaced with Total Petroleum fraction.
	Sample Name	B5	B9	B10	WDOE	Bold and Italics indi 1 - Soil gas screenin Evaluating Soil V. Ve - The analyte resp fb - The analyte was: - Individual petroleur

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APPENDIX A

Laboratory Reports


February 16, 2021

Mr. Eric Zuern Environmental Associates, Inc. 1380 112th Ave NE #300 Bellevue, WA 98004

Dear Eric,

Please find enclosed analytical data report for **PROJECT: FIRESTONE, Project Number: 40139-1** located in Renton, WA. Fifteen soil samples and ten water samples were analyzed for Gasoline by NWTPH-Gx, VOC by EPA Method 8260, Diesel by NWTPH-Dx/Dx Ext, PAH by EPA Method 8270, PCB by EPA Method 8082, VOC-Chlorinated by EPA Method 8260 and MTCA 5 Metals by EPA Method on February 1,2021- February 12, 2021.

.The results of the analyses are summarized and included on this report. Applicable detection limits and QA/QC data are included.

ESN Analytical appreciates the opportunity to have provided services for this project. If you have any further questions about the data report, please give us a call at 425-207-8345.

Thank you so much and it was a pleasure working with your company on this project. We are looking forward to the next opportunity to work together.

Sincerely,

Dely Grace Agoy Senior Chemist 425-207-8345 delygrace.agoy@esnanalytical.com



ANALYTICAL DATA REPORT Project: FIRESTONE

Project Number: 40139-1

Location: Renton, WA

Submitted to: ENVIROMENTAL ASSOCIATES, INC. Project Manager: Eric Zuern Sample Collector: Eric Zuern

Sample Matrix: Water, Soil



CONTENTS

1.	SAMPLE INFORMATION	1
2.	TEST RESULTS	2
3.	CHAIN OF CUSTODY	3



SAMPLE ID	ESN Analytical Project Number	SAMPLING DATE	Sampling Time	Depth	Matrix	Analysis
B1-10	S210202.1	02/01/21	0922	10'	S	NWTPH-Gx NWTPH-Dx, 8260
B1	S210202.1	02/01/21	0940	11'-15'	W	NWTPH-Gx, NWTPH-Dx, 8260
B2-2.5	S210202.1	02/01/21	1015	2.5'	S	NWTPH-Gx NWTPH-Dx, 8260, PAH, PCB, MTCA 5 Metals
В2	S210202.1	02/01/21	1040	11'-15"	W	NWTPH-Gx NWTPH-Dx, 8260, PAH, PCB, MTCA 5 Metals
B3-10	S210202.1	02/01/21	1104	10'	S	NWTPH-Gx NWTPH-Dx, 8260
B3	S210202.1	02/01/21	1112	11'-15'	W	NWTPH-Gx NWTPH-Dx, 8260
B4-4	S210202.1	02/01/21	1146	10'	S	NWTPH-Gx NWTPH-Dx, 8260
B4	S210202.1	02/01/21	1215	2'-12'	W	NWTPH-Gx NWTPH-Dx, 8260
B5-3	S210202.1	02/01/21	1235	3'	S	NWTPH-Gx NWTPH-Dx, 8260
B5	S210202.1	02/01/21	1300	11'-15'	W	NWTPH-Gx NWTPH-Dx, 8260
B5-15	S210202.1	02/01/21	1247	15'	S	VOC-Chlorinated*
B6-4	S210201.1	02/01/21	123	4'	S	VOC-Chlorinated*
B6-10	S210201.1	02/01/21	126	10'	S	NWTPH-Dx*, VOC- Chlorinated*
B6-15	S210202.1	02/01/21	1330	15'	S	NWTPH-Gx NWTPH-Dx, 8260
B6	S210202.1	02/01/21	1345	11'-15	W	NWTPH-Gx NWTPH-Dx, 8260
B7-4	S210203.1	02/02/21	0909	4"	S	NWTPH-Dx*
B7-9-16	S210203.1	02/02/21	0917	9'-10'	S	NWTPH-Gx, NWTPH-Dx, 8260

SAMPLE INFORMATION

*Add-on



SAMPLE ID	ESN Analytical Project Number	SAMPLING DATE	SAMPLING TIME	DEPTH	MATRIX	ANALYSIS
B7-16	S210203.1	02/02/21	0924	16'	S	NWTPH-Dx*, VOC- Chlorinated*
B7	S210203.1	02/02/21	0935	10'-15'	W	NWTPH-Gx, NWTPH-Dx, 8260
B8-8	S210203.1	02/02/21	0949	8'	S	NWTPH-Gx, NWTPH-Dx, 8260
B8	S210203.1	02/02/21	1000	10'-15'	W	NWTPH-Gx, NWTPH-Dx, 8260
B9-2	S210203.1	02/02/21	1011	2'	S	NWTPH-Gx, NWTPH-Dx, 8260
B-9	S210203.1	02/02/21	1025	10'-15'	W	NWTPH-Gx, NWTPH-Dx, 8260
B10-8	S210203.1	02/02/21	1112	12"	S	NWTPH-Gx, NWTPH- Dx, 8260
B10	S210203.1	02/02/21	1140	10'-15'	W	NWTPH-Gx, NWTPH- Dx, 8260

*Add-on



TEST RESULTS

Sampling date: February 1, 2021

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

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	2/3/2021	2/3/2021	99	nd	nd
LCS	2/3/2021	2/3/2021	141	118%	
B1-10	2/3/2021	2/3/2021	62	nd	nd
B2-2.5	2/3/2021	2/3/2021	73	nd	nd
B3-10	2/3/2021	2/3/2021	74	nd	nd
B4-4	2/3/2021	2/3/2021	50	nd	nd
B5-3	2/3/2021	2/3/2021	54	nd	nd
B6-15	2/3/2021	2/3/2021	64	nd	nd
B6-15 Duplicate	2/3/2021	2/3/2021	62	nd	nd
Reporting Limits				50	100

"---" Indicates not tested for component.

"nd" Indicates not detected at the listed detection limits.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

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

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (ug/L)	Lube Oil Range Organics (ug/L)
Method Blank	2/2/2021	2/2/2021	132	nd	nd
LCS	2/2/2021	2/2/2021	139	110%	
B1	2/2/2021	2/2/2021	91	nd	nd
B2	2/2/2021	2/2/2021	111	nd	nd
B3	2/2/2021	2/2/2021	107	nd	nd
B4	2/2/2021	2/2/2021	91	nd	nd
B5	2/2/2021	2/2/2021	97	nd	nd
B6	2/2/2021	2/2/2021	98	2400	nd
Reporting Limits				50	100

"---" Indicates not tested for component.

"nd" Indicates not detected at the listed detection limits.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%





Analysis	of Gasoline	Range	Organics	in Soil
	by Method	NWTI	PH-Gx	

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Gasoline Range Organics (mg/kg)
Method Blank	2/4/2021	2/4/2021	102	nd
LCS	2/4/2021	2/4/2021	106	68%
B1-10	2/1/2021	2/4/2021	100	nd
B2-2.5	2/1/2021	2/4/2021	101	nd
B3-10	2/1/2021	2/4/2021	101	nd
B4-4	2/1/2021	2/4/2021	99	nd
B5-3	2/1/2021	2/4/2021	97	nd
B6-15	2/1/2021	2/4/2021	98	nd
Reporting Limits				10

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

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline Range Organic (ug/L)		
Method Blank	2/3/2021	101	nd		
LCS	2/3/2021	95	64%		
BI	2/3/2021	99	nd		
B2	2/3/2021	93	nd		
B3	2/3/2021	87	nd		
B4	2/3/2021	106	nd		
B5	2/3/2021	95	nd		
B6	2/3/2021	109	240		

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

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

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%



D	RL	MB	LCS	LCSD	B1-10	B2-2.5	B3-10	B4-4
Date extracted		02/04/21	02/04/21	02/04/21	02/01/21	02/01/21	02/01/21	02/01/21
Date analyzed	(mg/Kg)	02/04/21	02/04/21	02/04/21	02/04/21	02/04/21	02/04/21	02/04/21
% Moisture			_		29%	7%	31%	29%
Dichlorodifluoromethane	0.05	nd			nd			
Chloromethane	0.05	nd			nd	nd	nd	nd
Vinyl chloride	0.03	nd	90%	107%		nd	nd	nd
Bromomethane	0.02		90.20	10/20	nd	nd	nd	nd
Chloroethane	0.05	nd			nd	nd	nd	nd
	1.112.00	nd			nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd			nd	nd	nd	nd
trans-1,2-Dichloroethene	0.05	nd			nd	nd	nd	nd
1,1-Dichloroethane	0.05	nd			nd	nd	nd	nd
2-Butanone (MEK)	0.25	nd			nd	nd	nd	nd
cis-1.2-Dichloroethene	0.05	nd			nd	nd	nd	nd
2.2-Dichloropropane	0.05	nd			nd	nd	nd	nd
Chloroform	0.05	nd	107%	128%	nd	nd	nd	nd
Bromochloromethane	0.05	nd			nd	nd	nd	nd
1.1.1-Trichloroethane	0.05	nd			nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.05	nd			nd	nd	nd	nd
1,1-Dichloropropene	0.05	nd			nd	nd	nd	nd
Carbon tetrachloride	0.05	nd			nd	nd	nd	nd
Benzene	0.02	nd	84%	106%	nd	nd	nd	nd
Trichloroethene (TCE)	0.02	nd	88%	106%	nd	nd	nd	nd
1.2-Dichloropropane	0.05	nd	83%	102%	nd	nd	nd	nd
Dibromomethane	0.05	nd	14.1		nd	nd	nd	nd
Bromodichloromethane	0.05	nd			nd	nd	nd	nd
4-Methyl-2-pentanone (MIBK)	0.25	nd			nd	nd	nd	nd
cis-1.3-Dichloropropene	0.05	nd			nd	nd	nd	
Toluene	0.05	nd	76%	122%	nd	nd	nd	nd
trans-1,3-Dichloropropene	0.05	nd	70.70	12270	nd	nd	nd	nd
1.1.2-Trichloroethane	0.05	nd			nd	nd		nd
2-Hexanone	0.25	nd			nd		nd	nd
1.3-Dichloropropane	0.05	nd				nd	nd	nd
Dibromochloromethane	0.05				nd	nd	nd	nd
Tetrachloroethene (PCE)		nd	7000		nd	nd	nd	nd
	0.02	nd	79%	97%	nd	nd	0.05	nd
1.2-Dibromoethane (EDB)	0.05	nd		1.11	nd	nd	nd	nd
Chlorobenzene	0.05	nd	85%	105%	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd	41.0		nd	nd	nd	nd
Ethylbenzene	0.05	nd	76%	99%	nd	nd	nd	nd
Xylenes	0.15	nd	76%	105%	nd	nd	nd	nd
Styrene	0.05	nd			nd	nd	nd	nd
Bromoform	0.05	nd			nd	nd	nd	nd
1.1.2.2-Tetrachloroethane	0.05	nd			nd	nd	nd	nd
lsopropylbenzene	0.05	nd			nd	nd	nd	nd
1.2.3-Trichloropropane	0.05	nd			nd	nd	nd	nd
Bromobenzene	0.05	nd			nd	nd	nd	nd
a-Propylbenzene	0.05	nd			nd	nd	nd	nd

Analysis of Volatile Organic Compounds in Soil by Method 8260C/5035



	RL	MB	LCS	LCSD	B1-10	B2-2.5	B3-10	B4-4
Date extracted		02/04/21	02/04/21	02/04/21	02/01/21	02/01/21	02/01/21	02/01/2
Date analyzed	(mg/Kg)	02/04/21	02/04/21	02/04/21	02/04/21	02/04/21	02/04/21	02/04/2
% Moisture					29%	7%	31%	29%
n-Propylbenzene	0.05	nd			nd	nd	nd	nd
2-Chlorotoluene	0.05	nd			nd	nd	nd	nd
4-Chlorotoluene	0.05	nd			nd	nd	nd	nd
1.3.5-Trimethylbenzene	0.05	nd			nd	nd	nd	nd
tert-Butylbenzene	0.05	nd			nd	nd	nd	nd
1.2.4-Trimethylbenzene	0.05	nd			nd	nd	nd	nd
sec-Butylbenzene	0.05	nd			nd	nd	nd	nd
1.3-Dichlorobenzene	0.05	nd			nd	nd	nd	nd
1,4-Dichlorobenzene	0.05	nd			nd	nd	nd	nd
lsopropyltoluene	0.05	nd			nd	nd	nd	nd
1.2-Dichlorobenzene	0.05	nd			nd	nd	nd	nd
n-Butylbenzene	0.05	nd			nd	nd	nd	nd
1.2-Dibromo-3-Chloropropane	0.05	nd			nd	nd	nd	nd
1.2.4-Trichlorobenzene	0.05	nd			nd	nd	nd	nd
Naphthalene	0.05	nd			nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.05	nd			nd	nd	nd	nd
1.2.3-Trichlorobenzene	0.05	nd			nd	nd	nd	nd
Surrogate recoveries								
Dibromofluoromethane		124%	120%	117%	117%	126%	117%	125%
Toluene-d8		97%	98%	99%	95%	93%	95%	97%
4-Bromofluorobenzene		102%	104%	105%	100%	101%	101%	99%

Analysis of Volatile Organic Compounds in Soil by Method 8260C/5035

Data Qualifiers and Analytical Comments

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

Acceptable RPD limit: 35%



	RL	B5-3	B6-15
Date extracted		02/01/21	02/01/2
Date analyzed	(mg/Kg)	02/04/21	02/04/2
% Moisture	101110	21%	22%
D. 11. 10. 1			
Dichlorodifluoromethane	0.05	nd	nd
Chloromethane	0.05	nd	nd
Vinyl chloride	0.02	nd	nd
Bromomethane	0.05	nd	nd
Chloroethane	0.05	nd	nd
Trichlorofluoromethane	0.05	nd	nd
trans-1,2-Dichloroethene	0.05	nd	nd
1,1-Dichloroethane	0.05	nd	nd
2-Butanone (MEK)	0.25	nd	nd
cis-1,2-Dichloroethene	0.05	nd	nd
2.2-Dichloropropane	0.05	nd	nd
Chloroform	0.05	nd	nd
Bromochloromethane	0.05	nd	nd
1,1,1-Trichloroethane	0.05	nd	nd
,2-Dichloroethane (EDC)	0.05	nd	nd
I, I-Dichloropropene	0.05	nd	nd
Carbon tetrachloride	0.05	nd	nd
Benzene	0.02	nd	nd
Frichloroethene (TCE)	0.02	nd	nd
.2-Dichloropropane	0.05	nd	nd
Dibromomethane	0.05	nd	nd
Bromodichloromethane	0.05	nd	nd
4-Methyl-2-pentanone (MIBK)	0.25	nd	nd
is-1,3-Dichloropropene	0.05	nd	nd
Foluene	0.05	nd	nd
rans-1,3-Dichloropropene	0.05	nd	nd
1.1.2-Trichloroethane	0.05	nd	nd
2-Hexanone	0.25	nd	nd
,3-Dichloropropane	0.05	nd	nd
Dibromochloromethane	0.05	nd	nd
Fetrachloroethene (PCE)	0.02	nd	0.08
.2-Dibromoethane (EDB)	0.05	nd	nd
Chlorobenzene	0.05	nd	nd
1,1,1.2-Tetrachloroethane	0.05	nd	nd
Ethylbenzene	0.05	nd	
Xylenes	0.05		nd
	10.50	nd	nd
Styrene	0.05	nd	nd
Bromoform	0.05	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd	nd
sopropylbenzene	0.05	nd	nd
1,2.3-Trichloropropane	0.05	nd	nd
Bromobenzene	0.05	nd	nd

Analysis of Volatile Organic Compounds in Soil by Method 8260C/5035



	RL	B5-3	B6-15
Date extracted	5	02/01/21	02/01/21
Date analyzed	(mg/Kg)	02/04/21	02/04/21
% Moisture		21%	22%
n-Propylbenzene	0.05	nd	nd
2-Chlorotoluene	0.05	nd	nd
4-Chlorotoluene	0.05	nd	nd
1.3.5-Trimethylbenzene	0.05	nd	nd
tert-Butylbenzene	0.05	nd	nd
1,2,4-Trimethylbenzene	0.05	nd	nd
sec-Butylbenzene	0.05	nd	nd
1,3-Dichlorobenzene	0.05	nd	nd
1,4-Dichlorobenzene	0.05	nd	nd
Isopropyltoluene	0.05	nd	nd
1,2-Dichlorobenzene	0.05	nd	nd
n-Butylbenzene	0.05	nd	nd
1.2-Dibromo-3-Chloropropane	0.05	nd	nd
1,2,4-Trichlorobenzene	0.05	nd	nd
Naphthalene	0.05	nd	nd
Hexachloro-1,3-butadiene	0.05	nd	nd
1,2,3-Trichlorobenzene	0.05	nd	nd
Surrogate recoveries			
Dibromofluoromethane		124%	126%
Toluene-d8		97%	97%
4-Bromofluorobenzene		97%	98%

Analysis of Volatile Organic Compounds in Soil by Method 8260C/5035

Data Qualifiers and Analytical Comments

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



	RL	MB	LCS	LCSD	BI	B2	B3	B4
Date analyzed	(ug/L)	02/03/21	02/03/21	02/03/21	02/03/21	02/03/21	02/12/21	02/03/21
Dichlorodifluoromethane	1.0	nd			nd		- 1	
Chloromethane	1.0	nd			nd	nd nd	nd	nd
Vinyl chloride	0.2	nd	99%	98%	nd	nd	nd nd	nd
Bromomethane	1.0	nd	3770	20.70	nd	nd	nd	nd
Chloroethane	1.0	nd			nd	nd		nd
Trichlorofluoromethane	1.0	nd			nd	nd	nd	nd
Acetone	10.0	nd			nd	nd	nd nd	nd nd
1.1-Dichloroethene	1.0	nd				1.12		15
2-Butanone (MEK)	10.0	nd			nd	nd	nd	nd
n-hexane	1.0				nd	nd	nd	nd
cis-1,2-Dichloroethene	1.0	nd			nd	nd	nd	nd
2.2-Dichloropropane	1.0	nd nd			nd	nd	nd	nd
Chloroform	1.0	nd	11.50	1020/	nd	nd	nd	nd
Bromochloromethane	1.0	nd	115%	126%	nd	nd	nd	nd
1.1.1-Trichloroethane	1.0	nd			nd nd	nd	nd	nd
1.2-Dichloroethane (EDC)	1.0	nd				nd	nd	nd
1.1-Dichloropropene	1.0	nd			nd nd	nd	nd	nd
Carbon tetrachloride	1.0	nd				nd	nd	nd
Benzene	1.0	nd	98%	103%	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	102%	99%	nd	nd	nd	nd
1.2-Dichloropropane	1.0	nd	102%	1000	nd	nd	nd	nd
Dibromomethane	1.0	nd	10120	105%	nd	nd	nd	nd
Bromodichloromethane	1.0	nd			nd nd	nd	nd	nd
4-Methyl-2-pentanone (MIBK)	1.0	nd			0.077	nd	nd	nd
cis-1.3-Dichloropropene	1.0	nd			nd	nd	nd	nd
Toluene	1.0	nd	97%	89%	nd	nd	nd	nd
trans-1.3-Dichloropropene	1.0	nd	97.0	6970	nd	nd	nd	nd
1.1.2-Trichloroethane	1.0	nd			nd	nd nd	nd	nd
2-Hexanone	1.0	nd			nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd				A. M. C.	nd	nd
Dibromochloromethane	1.0	nd			nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	94%	87%		nd	nd	nd
1.2-Dibromoethane (EDB)	1.0	nd	2420	0/20	nd	1.2	nd	nd
Chlorobenzene	1.0	nd	101%	98%	nd	nd	nd	nd
1.1.1.2-Tetrachloroethane	1.0	nd	101.20	70.0	nd	nd	nd	nd
Ethylbenzene	1.0	nd	92%	84%	nd	nd	nd	nd
Xylenes	3.0	nd	111%	83%	nd	nd	nd	nd
Styrene	1.0	nd	111:0	0.370		nd	nd	nd
Bromoform	1.0	nd			nd nd	nd	nd	nd
1.1.2.2-Tetrachloroethane	1.0	nd			nd	nd	nd	nd
Isopropylbenzene	1.0	nd					nd	nd
1.2.3-Trichloropropane	1.0	nd			nd	nd	nd	nd
Bromobenzene	1.0	nd			nd	nd	nd	nd
n-Propylbenzene					nd	nd	nd	nd
a-r topytoenzene	1.0	nd			nd	nd	nd	nd

Analysis of Volatile Organic Compounds in Water by Method 8260C/5030C



	RL	MB	LCS	LCSD	B1	B2	B3	B4
Date analyzed	(ug/L)	02/03/21	02/03/21	02/03/21	02/03/21	02/03/21	02/12/21	02/03/2
2-Chlorotoluene	1.0	nd			nd	nd	nd	nd
4-Chlorotoluene	1.0	nd			nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	nd			nd	nd	nd	nd
tert-Butylbenzene	1.0	nd			nd	nd	nd	nd
1.2.4-Trimethylbenzene	1.0	nd			nd	nd	nd	nd
sec-Butylbenzene	1.0	nd			nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd			nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd			nd	nd	nd	nd
Isopropyltoluene	1.0	nd			nd	nd	nd	nd
1.2-Dichlorobenzene	1.0	nd			nd	nd	nd	nd
n-Butylbenzene	1.0	nd			nd	nd	nd	nd
1.2-Dibromo-3-Chloropropane	1.0	nd			nd	nd	nd	nd
1.2.4-Trichlorobenzene	1.0	nd			nd	nd	nd	nd
Naphthalene	1.0	nd			nd	nd	nd	nd
Hexachloro-1,3-butadiene	1.0	nd			nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd			nd	nd	nd	nd
Surrogate recoveries		-1.1.2						
Dibromofluoromethane		118%	117%	124%	121%	122%	127%	127%
Toluene-d8		94%	98%	102%	93%	97%	96%	100%
4-Bromofluorobenzene		101%	103%	101%	99%	93%	101%	106%

Analysis of Volatile Organic Compounds in Water by Method 8260C/5030C

Data Quantiers and Analytical Comments

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



	RL	B5	B6
Date analyzed	(ug/L)	02/03/21	02/03/2
	1		
Dichlorodifluoromethane	1.0	nd	nd
Chloromethane	1.0	nd	nd
Vinyl chloride	0.2	nd	nd
Bromomethane	1.0	nd	nd
Chloroethane	1.0	nd	nd
Trichlorofluoromethane	1.0	nd	nd
Acetone	10.0	nd	nd
1,1-Dichloroethene	1.0	nd	nd
2-Butanone (MEK)	10.0	nd	nd
n-hexane	1.0	nd	nd
cis-1.2-Dichloroethene	1.0	nd	nd
2,2-Dichloropropane	1.0	nd	nd
Chloroform	1.0	nd	nd
Bromochloromethane	1.0	nd	nd
1,1.1-Trichloroethane	1.0	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd
1.1-Dichloropropene	1.0	nd	nd
Carbon tetrachloride	1.0	nd	nd
Benzene	1.0	nd	nd
Trichloroethene (TCE)	1.0	nd	nd
1,2-Dichloropropane	1.0	nd	nd
Dibromomethane	1.0	nd	nd
Bromodichloromethane	1.0	nd	nd
4-Methyl-2-pentanone (MIBK)	1.0	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd
Toluene	1.0	nd	nd
rans-1,3-Dichloropropene	1.0	nd	nd
1,1.2-Trichloroethane	1.0	nd	nd
2-Hexanone	1.0	nd	nd
1.3-Dichloropropane	1.0	nd	nd
Dibromochloromethane	1.0	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd
1.2-Dibromoethane (EDB)	1.0	nd	nd
Chlorobenzene	1.0	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd
Ethylbenzene	1.0	nd	nd
Xylenes	3.0	nd	nd
Styrene	1.0	nd	nd
Bromoform	1.0	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd
sopropylbenzene	1.0	nd	nd
.2.3-Trichloropropane	1.0	nd	nd
Bromobenzene	1.0	nd	nd
n-Propylbenzene	1.0	nd	nd

Analysis of Volatile Organic Compounds in Water by Method 8260C/5030C



	RL	B5	B6
Date analyzed	(ug/L)	02/03/21	02/03/2
n-Propylbenzene	1.0	nd	nd
2-Chlorotoluene	1.0	nd	nd
4-Chlorotoluene	1.0	nd	nd
1.3.5-Trimethylbenzene	1.0	nd	nd
tert-Butylbenzene	1.0	nd	nd
1,2,4-Trimethylbenzene	1.0	nd	nd
sec-Butylbenzene	1.0	nd	nd
1.3-Dichlorobenzene	1.0	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd
Isopropyltoluene	1.0	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd
n-Butylbenzene	1.0	nd	nd
1,2-Dibromo-3-Chloropropane	1.0	nd	nd
1,2,4-Trichlorobenzene	1.0	nd	nd
Naphthalene	1.0	nd	nd
Hexachloro-1,3-butadiene	1.0	nd	nd
1,2.3-Trichlorobenzene	1.0	nd	nd
Surrogate recoveries			
Dibromofluoromethane		125%	112%
Toluene-d8		99%	91%
4-Bromofluorobenzene		95%	109%

Analysis of Volatile Organic Compounds in Water by Method 8260C/5030C

Data Qualifiers and Analytical Comments

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



	Reporting	MTH BLK	LCS	B2
Date extracted	Limits	02/02/21	02/02/21	02/02/21
Date analyzed	(ug/L)	02/02/21	02/02/21	02/02/2
Naphthalene	0.1	nd	107%	nd
2-Methylnaphthalene	0.1	nd	105%	nd
I-Methylnaphthalene	0.1	nd	100%	nd
Acenaphthylene	0.1	nd	133%	nd
Acenaphthene	0.1	nd	100%	nd
Fluorene	0.1	nd	114%	nd
Phenanthrene	0.1	nd	98%	nd
Anthracene	0.1	nd	99%	nd
Fluoranthene	0.1	nd	108%	nd
Pyrene	0.1	nd	106%	nd
Benzo(a)anthracene*	0.1	nd	78%	nd
Chrysene*	0.1	nd	121%	nd
Benzo(b)fluoranthene*	0,1	nd	94%	nd
Benzo(k)fluoranthene*	0.1	nd	93%	nd
Benzo(a)pyrene*	0.1	nd	95%	nd
Indeno(1,2,3-cd)pyrene*	0.1	nd	121%	nd
Dibenzo(a,h)anthracene*	0.1	nd	85%	nd
Benzo(ghi)perylene	0.1	nd	86%	nd
Total Carcinogens				nd
Surrogate recoveries:				
2-Fluorobiphenyl		77%	95%	104%
p-Terphenyl-d14		116%	92%	106%

Analysis of Polynuclear Aromatic Hydrocarbons in Water by Method 8270E

Data Qualifiers and Analytical Comments * - Carcinogenic Analyte

nd - not detected at listed reporting limits

ns - not spiked

Acceptable Recovery limits: 50% TO 150%

Acceptable RPD limit: 35%



		MTH BLK	LCS	B2-2.5
Date extracted	Reporting	02/03/21	02/03/21	02/03/21
Date analyzed	Limits	02/03/21	02/03/21	02/03/21
Moisture, %	(mg/kg)			7%
Naphthalene	0.02	nd	102%	nd
2-Methylnaphthalene	0.02	nd	105%	nd
1-Methylnaphthalene	0.02	nd	99%	nd
Acenaphthylene	0.02	nd	135%	nd
Acenaphthene	0.02	nd	99%	nd
Fluorene	0.02	nd	112%	nd
Phenanthrene	0.02	nd	99%	nd
Anthracene	0.02	nd	96%	nd
Fluoranthene	0.02	nd	111%	nd
Pyrene	0.02	nd	109%	nd
Benzo(a)anthracene*	0.02	nd	81%	nd
Chrysene*	0.02	nd	122%	nd
Benzo(b)fluoranthene*	0.02	nd	96%	nd
Benzo(k)fluoranthene*	0.02	nd	112%	nd
Benzo(a)pyrene*	0.02	nd	96%	nd
Indeno(1.2.3-cd)pyrene*	0.02	nd	107%	nd
Dibenzo(a,h)anthracene*	0.02	nd	93%	nd
Benzo(ghi)perylene	0.02	nd	88%	nd
Total Carcinogens				nd
Surrogate recoveries:				
2-Fluorobiphenyl		98%	95%	72%
p-Terphenyl-d14		97%	97%	71%

Analysis of Polynuclear Aromatic Hydrocarbons in Soil by Method 8270E

Data Qualifiers and Analytical Comments * - Carcinogenic Analyte nd - not detected at listed reporting limits ns - not spiked Results reported on dry-weight basis Acceptable Recovery limits: 50% TO 150% Acceptable RPD limit: 35%



Third Party Laboratory Test Results

Contraction	
5-2-	D
C 2241	
196. 1000	_

PRAGON ANALYTICAL LABORATORY 527 Duris Raas Sd. 5TE Bilds. Turneter, WAjelsdi I (2008/6-054) Caterimers weigt Disgen Laboratory can

Hazardous Waste, Microtiology, NPDES, Potable and Non-potable Water Mobile Environmental Laboratory



ESN Analytical 3155 NE Sunset Blvd, Suite A Renton, WA 98056

Sampled By: Unknown

DAL Project No.: 210202-02

Preparation Method: US EPA 200.8 Dissolved Analytical Method: US EPA 200.8 Date Prepared: 2/2/2021 Date Analyzed: 2/4/2021 Analyst: TM

Project Name: Firestone Project Na:: Firestone PO Na:: n/a Date Collected: 2/1/2021:10:15 - 10.40 Date Received: 2/2/2021; 11:30 Temperature Received (*C): 4 Report Date: 2/8/2021

Units: ug/L Matrix: Non-Potable Water Reporting Limits: Standard Instrument ID: Agilent 7500 Lab Data File: 21B04k00

DISSOLVED HEAVY METALS ANALYTICAL RESULTS

		10.2	Method	
Analyte	CAS No.	MRL	Blank	B2
Arsonic (As)	7440-38-2	1.0	nd	nd
Cadmium (Cd)	7440-43-9	0.50	nd	nd
Chromium (Cr)	7440-47-3	0.50	nd	nd
Lead (Pb)	7439-92-1	0.25	nd	nd
Marcury (Hg)	7439-97-6	0.25	nd	nd
Dilution Factor			1.0	1.0

DISSOLVED HEAVY METALS QUALITY CONTROL RESULTS

LABORATORY CONTROL SAMPLE AND MATRIX SPIKE

DC Batch ID: 210204-Metals				MS/	MSD Samp	e ID: 21020	4-Motals MS	MSD	· · · · · · · · · · · · · · · · · · ·		LCS Sample	ID: 210204-	Metals LC
Analyte	MS/MSD Level (ug/L)	Sample Conc. (ug/L)	MS Recovery (ug/L)	MS Percent Recovery	MSD Recovery (ug/L)	MSD Percent Recovery	MS/MSD Limits (%)	RPD	MS/MSD RPD Limits	LCS Level (vg/L)	LCS Recovery (ug/L)	LCS Percent Recovery	LCS Limits (%)
Arsenic (As)	50	0.51	50.0	98.9%	50.7	100%	70-130	1.4	\$ 25%	50	49.0	97.9%	85-115
Cadmium (Cd)	50	0.00	49.4	98.9%	49.7	99.4%	70-130	0.56	≤ 25%	50	48.2	96.4%	85-115
Chromium (Cr)	50	7.4	57.3	99.8%	56.6	98.5%	70-130	1.3	\$ 25%	50	54.1	108%	85-115
Lead (Pb)	50	0.40	50.8	101%	50.8	101%	70-130	0.040	\$ 25%	50	50.1	100%	85-115
Mercury (Hg)	4.0	0.020	4.0	09.8%	4.3	106%	70-130	6.1	\$ 25%	4.0	4.0	99.8%	85-115



Preparation Method:	US EPA 3050B
Analytical Method:	US EPA 6020B
Date Prepared:	2/2/2021
Date Analyzed:	2/4/2021
Analyst:	TM

Units: mg/kg Matrix: Soil Reporting Limits: Standard Instrument ID: Agilent 7500 Lab Data File: 21804k00

TOTAL METALS ANALYTICAL RESULTS

Sample Identification	CAS No.	MRL	Blank	B2-2.5
Arsenic (As)	7440-38-2	1.0	nd	4.0
Cadmium (Cd)	7440-43-9	0.50	nd	nd
Chromium (Cr)	7440-47-3	0.50	nd	23.9
Lead (Pb)	7439-92-1	0.25	nd	9.5
Mercury (Hg)	7439-97-6	0.25	nd	nd
Percent Solids (%)				92.1
Dilution Factor				1000

TOTAL METALS QUALITY CONTROL RESULTS LABORATORY CONTROL SAMPLE AND MATRIX SPIKE

Analyte	MS-PD Lovel (mg/kg)	Sample Conc. (mg/kg)	MS-PD Recovery (mg/kg)	MS-PD Percent Recovery	MS-PD Limits (%)	LCS Level (mg/kg)	LCS Recovery (mg/kg)	LCS Percent Recovery	LCS Limits (%)
Arsenic (As)	0.050	0.0037	0.051	95.1%	75-125	0.050	0.050	101%	80-120
Cadmium (Cd)	0.050	0.00016	0.049	98.3%	75-125	0.050	0.049	98.9%	80-120
Chromium (Cr)	0.050	0.022	0.065	86.6%	75-125	0.050	0.049	98.2%	80-120
Lead (Pb)	0.050	0.0088	0.057	97.0%	75-125	0.050	0.050	101%	80-120
Mercury (Hg)	0.0040	0.00	0.0039	95.4%	75-125	0.0040	0.0039	97.3%	80-120



Sample Identification	CAS	No.	MRL	Methoa Blank	82	PCB's ANALYTICAL RESULTS			
Preparation Method Analytical Method Date Preparo Date Analyzed Analys	US EF	A 8082					Units: Matrix Reporting Limits: Injection Volume: Instrument ID; Lab Data File;	Non-Potable Water Standard 2 µL Agilent 9074	
DAL Project No.: 210202	-02						Temperature Received (*C); Report Date:		
Renton, WA 98056 Sampled By: Unknown									
ESN Analytical 3155 NE Sunset Blvd, Su	te A						Project Name:		

Sample Identification	CAS	No.	MRL	Blank	82
PCB Aroclor 1016	1267	4-11-2	0.050	nd	nd
PCB Aroclor 1221	110	4-28-2	0.050	nd	nd
PCB Arocler 1232	1114	1-16-5	0.050	nd	nd
PCB Aroclar 1242	5346	9-21-9	0.050	nd	nd
PCB Aroclor 1248	1267	2.29.6	0.050	nd	nd
PCB Aroclor 1254	1109	7-69-1	0.050	nd	nd
PCB Aroclor 1260	1109	8-82-5	0.050	nd	nd
PCB Aroclor 1262	3732	4-23-5	0.050	nd	nd
PCB Aroclor 1268	1110	0-14-4	0.050	nd	nd
Concentration Factor					200

Data Flags

Comments and Explanations: None.

PCB's QUALITY CONTROL RESULTS

SURROGATE RECOVERY

	100 100 Adverse	Method	10.7
Surrogate	Limits (%)	Blank	82
TCMX	30-150	104	99.3
DCBP	30-150	124	117

LABORATORY CONTROL SAMPLE AND MATRIX SPIKE

OC Batch ID: 210202-PCB	_		MS	S/MSD Samp	LCS Sample ID: 210202-PCB LCS							
Analyte	MS/MSD Limits (%)	MS/MSD Level (µg/L)	Sample Conc. (µg/L)	MS Recovery (µg/L)	MS Percent Recovery	MSD Recovery (µg/L)	MSD Percent Recovery	RPD	LCS Limits (%)	LCS Level (µg/L)	LCS Recovery (µg/L)	LCS Percent Recovery
PCB Aroclor 1016	29-135	400	nd	418	104%	395	98.7%	5.6	50-120	400	411	103%
PC8 Aroclor 1260	29-135	400	nd	245	61.2%	376	93.9%	42.2	50-120	400	395	98.6%

WA-DOE-Laboratory Certification No.: C890 "nd" indicates the analyte was not detected at or above the listed Method Reporting Limit. "n/a" indicates not applicable



ESN Analytical 3155 NE Sunset Blvd, St	uite A						Project Name. Project No.		
Renton, WA 98056							P.O. No.		
								2/1/2021:10:15 - 10:40	
Sampled By. Unknown							Date Received	2/2/2021: 11:30	
							Temperature Received (*C)	411728	
DAL Project No.: 21020	2-02						Report Date.	2/8/2021	
Preparation Metho	d: US EP	A 3550	c				Linite	marka	
Analytical Metho	d: US EP	A 8082	A					Solids	
Date Prepare	d: 2/2/202	21					Reporting Limits		
Date Analyze	d: 2/2/202	21					Injection Volume		
Analys	IL: TM							Agilent 9074	
							Lab Data File		
					1.15	PCB's ANALYTICAL RESULTS			
Sample Identification	CAS	No.	MRL	Methoa Blank	B2-2.5				
PCB Arector 1016	12674	-11-2	0.0050	nd	nd				
PCB Aroclor 1221		-28-2	0.0050	nd	nd				
PCB Arocier 1232	11141	1-16-5	0.0050	nd	nd				
PCB Aroclor 1242	53460	0-21-9	0.0050	nd	nd				
PCB Aroclor 1248	12673	2-29-6	0.0050	nd	nd				
PCB Aroclor 1254	11097	7-69-1	0.0050	nd	nd				
PCB Aroclor 1260	11096	5-82-5	0.0050	nd	nd				
PCB Aroclor 1262	37324	-23-5	0.0050	nd	nd				
PCB Aroclor 1268	11100	-14-4	0.0050	nd	nd				
Dilution Factor	1.				100				
Percent Solids					92.1				
Data Flags									

Comments and Explanations: None.

Percent Solids Data Flags

PCB's QUALITY CONTROL RESULTS

SURROGATE RECOVERY

Surrogate	Limits (%)	Method Blank	B2-2.5
TCMX	30-150	118	112
DCBP	30-150	96.5	89.7

LABORATORY CONTROL SAMPLE AND MATRIX SPIKE

QC Batch ID: 210202-PCB			MS/MSD Sample ID: 210202-PCB MS/MSD					LCS Sample ID: 210202-PCB LCS				
Analyte	MS/MSD Limits (%)	MS/MSD Level (mg/kg)	Sample Conc. (mg/kg)	MS Recovery (mg/kg)	MS Percent Recovery	MSD Recovery (mg/kg)	MSD Percent Recovery	RPD	LCS Limits (%)	LCS Level (mg/kg)	LCS Recovery (mg/kg)	LCS Percent Recovery
PCB Aroclor 1016	29-135	0.40	nd	0.42	104%	0.39	98.7%	5.6	50-120	0.40	0.42	105%
PCB Aroclor 1260	29-135	0.40	nd	0.24	61.2%	0.38	93.9%	42.2	50-120	0.40	0.24	61.2%

WA-DOE-Laboratory Certification No.: C690 "nd" indicates the analyte was not detected at or above the listed Method Reporting Limit, "n/a" indicates not applicable



Sampling Date: February 2, 2021

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

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	2/3/2021	2/3/2021	99	nd	nd
LCS	2/3/2021	2/3/2021	141	118%	
B7-9-10	2/3/2021	2/3/2021	52	7200	nd
B8-8	2/3/2021	2/3/2021	62	nd	nd
B9-2	2/3/2021	2/3/2021	56	nd	nd
B10-8	2/3/2021	2/3/2021	67	nd	nd
Reporting Limits				50	100

"---" Indicates not tested for component.

"nd" Indicates not detected at the listed detection limits.

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

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (ug/L)	Lube Oil Range Organics (ug/L)
Method Blank	2/4/2021	2/4/2021	91	nd	nd
LCS	2/4/2021	2/4/2021	133	102%	
B7	2/4/2021	2/4/2021	85	16000	nd
B8	2/4/2021	2/4/2021	77	nd	nd
B9	2/4/2021	2/4/2021	67	nd	nd
B10	2/4/2021	2/4/2021	73	nd	nd
Reporting Limits				50	100

"---" Indicates not tested for component.

"nd" Indicates not detected at the listed detection limits.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%



Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Gasoline Range Organics (mg/kg)
Method Blank	2/4/2021	2/4/2021	102	nd
LCS	2/4/2021	2/4/2021	106	68%
B7-9-10	2/2/2021	2/4/2021	96	nd
B8-8	2/2/2021	2/4/2021	103	nd
B8-8 Duplicate	2/2/2021	2/4/2021	101	nd
B9-2	2/2/2021	2/4/2021	98	nd
B10-8	2/2/2021	2/4/2021	101	nd
Reporting Limits				10

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

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

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%

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

Sample Number	Date Analyzed	Surrogate Recovery (%)	Gasoline Range Organics (ug/L)
Method Blank	2/3/2021	101	nd
LCS	2/3/2021	95	64%
B7	2/3/2021	99	nd
B8	2/3/2021	94	nd
B9	2/3/2021	99	nd
B10	2/3/2021	98	nd
Reporting Limits			100

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

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%



	RL	MB	LCS	LCSD	B7	BS	B9	B10
Date analyzed	(ug/L)	02/03/21	02/03/21	02/03/21	02/03/21	02/03/21	02/03/21	02/03/21
Dichlorodifluoromethane	1.0						1.1.1	- 1.5
Chloromethane	1.0	nd			nd	nd	nd	nd
Vinyl chloride	0.2	nd	000	0.00	nd	nd	nd	nd
Bromomethane		nd	99%	98%	nd	nd	nd	nd
Chloroethane	1.0	nd			nd	nd	nd	nd
Trichlorofluoromethane		nd			nd	nd	nd	nd
Acetone	1.0	nd			nd	nd	nd	nd
, ep escote	10.0	nd		10000	nd	nd	nd	ba
1.1-Dichloroethene	1.0	nd	103%	119%	nd	nd	nd	nd
Methylene chloride	1.0	nd			nd	nd	nd	nd
Methyl-t-butyl ether (MTBE)	1.0	nd			nd	nd	nd	nd
rans-1,2-Dichloroethene	1.0	nd			nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd			nd	nd	nd	nd
2-Butanone (MEK)	10.0	nd			nd	nd	nd	nd
n-hexane	1.0	nd			nd	nd	nd	nd
cis-1,2-Dichloroethene	1.0	nd			nd	nd	nd	nd
2.2-Dichloropropane	1.0	nd			nd	nd	nd	nd
Chloroform	1.0	nd	115%	126%	nd	nd	nd	nd
Bromochloromethane	1.0	nd			nd	nd	nd	nd
1.1.1-Trichloroethane	1.0	nd			nd	nd	nd	nd
1.2-Dichloroethane (EDC)	1.0	nd			nd	nd	nd	nd
1.1-Dichloropropene	1.0	nd			nd	nd	nd	nd
Carbon tetrachloride	1.0	nd			nd	nđ	nd	nd
Benzene	1.0	nd	98%	103%	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	102%	99%	nd	nd	nd	nd
.2-Dichloropropane	1.0	nd	101%	105%	nd	nd	nd	nd
Dibromomethane	1.0	nd			nd	nd	nd	nd
Bromodichloromethane	1.0	nd			nd	nd	nd	nd
4-Methyl-2-pentanone (MIBK)	1.0	nd			nd	nd	nd	nd
is-1.3-Dichloropropene	1.0	nd			nd	nd	nd	nd
Foluene	1.0	nd	97%	89%	2.3	2.1	1.3	nd
rans-1,3-Dichloropropene	1.0	nd			nd	nd	nd	nd
1.1.2-Trichloroethane	1.0	nd			nd	nd	nd	nd
2-Hexanone	1.0	nd			nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd			nd	nd	nd	nd
Dibromochloromethane	1.0	nd			nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	94%	87%	nd	nd	nd	
1.2-Dibromoethane (EDB)	1.0	nd			nd	nd	nd	nd
Chlorobenzene	1.0	nd	101%	98%	nd	nd	nd	nd
1.1.1.2-Tetrachloroethane	1.0	nd	101-0	2020	nd	nd	nd	nd
Ethylbenzene	1.0	nd	92%	84%	nd	1.0	nd	nd
Cylenes	3.0	nd	111%	83%	nd	nd		nd
Styrene	1.0	nd		0.376	nd		nd	nd
Bromoform	1.0	nd				nd	nd	nd
.1.2.2-Tetrachloroethane	1.0	nd			nd	nd	nd	nd
					nd	nd	nd	nd
sopropylbenzene	1.0	nd			nd	nd	nd	nd
1,2.3-Trichloropropane	1.0	nd			nd	nd	nd	nd
Bromobenzene	1.0	nd			nd	nd	nd	nd

Analysis of Volatile Organic Compounds in Water by Method 8260C/5030C



Analysis of Volatile Organic Compounds in Water by Method 8260C/5030C

	RL	MB	LCS	LCSD	B7	BS	B9	B10
Date analyzed	(ug/L)	02/03/21	02/03/21	02/03/21	02/03/21	02/03/21	02/03/21	02/03/2
n-Propylbenzene	1.0	nd			nd	nd	nd	nd
2-Chlorotoluene	1.0	nd			nd	nd	nd	nd
4-Chlorotoluene	1.0	nd			nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	nd			nd	nd	nd	nd
tert-Butylbenzene	1.0	nd			nd	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	nd			nd	nd	nd	nd
sec-Butylbenzene	1.0	nd			nd	nd	nd	nd
1.3-Dichlorobenzene	1.0	nd			nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd			nd	nd	nd	nd
lsopropyltolucne	1.0	nd			nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd			nd	nd	nd	nd
n-Butylbenzene	1.0	nd .			nd	nd	nd	nd
1.2-Dibromo-3-Chloropropane	1.0	nd			nd	nd	nd	nd
1.2.4-Trichlorobenzene	1.0	nd			nd	nd	nd	nd
Naphthalene	1.0	nd			nd	nd	nd	nd
Hexachloro-1,3-butadiene	1.0	nd			nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd			nd	nd	nd	nd
Surrogate recoveries								
Dibromolluoromethane		118%	117%	124%	137%*	142%*	125%	128%
Toluene-d8		94%	98%	102%	100%	98%	97%	96%
4-Bromotluorobenzene		101%	103%	101%	99%	94%	99%	98%

Data Qualifiers and Analytical Comments

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

*Dibromoflouromethane exceeded acceptable recovery limits. Analytes compared to this surrogate were non-detect, therefore

no fiurther action was taken



	RL	MB	LCS	LCSD	B7-9-10	B8-8	B9-2	B10-8
Date extracted		02/04/21	02/04/21	02/04/21	02/02/21	02/02/21	02/02/21	02/02/2
Date analyzed	(mg/Kg)	02/04/21	02/04/21	02/04/21	02/04/21	02/04/21	02/04/21	02/04/2
% Moisture			<u> </u>	1.	37%	32%	7%	27%
Dichlorodifluoromethane	0.05	nd			nd	nd	nd	nd
Chloromethane	0.05	nd			nd	nd	nd	nd
Vinyl chloride	0.02	nd	90%	107%	nd	nd	nd	nd
Bromomethane	0.05	nd	2010	10770	nd	nd	nd	25.7
Chloroethane	0.05	nd			nd	nd		nd
Trichlorofluoromethane	0.05	nd			nd	nd	nd	nd nd
Acetone	0.25	nd			nd	nd	nd	nd
1.1-Dichloroethene	0.05	nd	104%	125%	nd	nd		
Methylene chloride	0.05	nd	10424	12070	nd	nd	nd	nd
Methyl-t-butyl ether (MTBE)	0.05	nd			nd	nd		nd
trans-1,2-Dichloroethene	0.05	nd					nd	nd
1.1-Dichloroethane	0.05	nd			nd	nd	nd	nd
2-Butanone (MEK)	0.05	nd			nd	nd	nd	nd
cis-1,2-Dichloroethene	0.25	nd			nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd			nd	nd	nd	nd
Chloroform	0.05	nd	107%	13002	nd	nd	nd	nd
Bromochloromethane	0.05	nd	10720	128%	nd	nd	nd	nd
1,1,1-Trichloroethane	0.05				nd	nd	nd	nd
		nd			nd	nd	nd	nd
L2-Dichloroethane (EDC)	0.05	nd			nd	nd	nd	nd
I.I-Dichloropropene	0.05	nd			nd	nd	nd	nd
Carbon tetrachloride	0.05	nd			nd	nd	nd	nd
Benzene Trichloroethene (TCE)	0.02	nd	84%	106%	nd	nd	nd	nd
	0.02	nd	88%	106%	nd	nd	nd	nd
1,2-Dichloropropane Dibromomethane	0.05	nd	83%	102%	nd	nd	nd	nd
	0.05	nd			nd	nd	nd	nd
Bromodichloromethane	0.05	nd			nd	nd	nd	nd
4-Methyl-2-pentanone (MIBK)	0.25	nd			nd	nd	nd	nd
cis-1.3-Dichloropropene	0.05	nd	- 600	1.1.1	nd	nd	nd	nd
Toluene	0.05	nd	76%	122%	nd	nd	nd	nd
trans-1,3-Dichloropropene	0.05	nd			nd	nd	nd	nd
1.1.2-Trichloroethane	0.05	nd			nd	nd	nd	nd
2-Hexanone	0.25	nd			nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd			nd	nd	nd	nd
Dibromochloromethane	0.05	nd	100		nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	79%	97%	nd	nd	nd	nd
1,2-Dibromoethane (EDB)	0.05	nd			nd	nd	nd	nd
Chlorobenzene	0.05	nd	85%	105%	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.05	nd	-		nd	nd	nd	nd
Ethylbenzene	0.05	nd	76%	99%	nd	nd	nd	nd
Xylenes	0.15	nd	76%	105%	nd	nd	nd	nd
Styrene	0.05	nd			nd	nd	nd	nd
Bromoform	0.05	nd			nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.05	nd			nd	nd	nd	nd
lsopropylbenzene	0.05	nd			nd	nd	nd	nd
1,2,3-Trichloropropane	0.05	nd			nd	nd	nd	nd
Bromobenzene	0.05	nd			nd	nd	nd	nd

Analysis of Volatile Organic Compounds in Soil by Method 8260C/5035



and the second se	RL.	MB	LCS	LCSD	B7-9-10	B8-8	B9-2	B10-8
Date extracted	1	02/04/21	02/04/21	02/04/21	02/02/21	02/02/21	02/02/21	02/02/2
Date analyzed	(mg/Kg)	02/04/21	02/04/21	02/04/21	02/04/21	02/04/21	02/04/21	02/04/2
% Moisture			111/11/10		37%	32%	7%	27%
n-Propylbenzene	0.05	nd			nd	nd	nd	nd
2-Chlorotoluene	0.05	nd			nd	nd	nd	nd
4-Chlorotoluene	0.05	nd			nd	nd	nd	nd
1.3.5-Trimethylbenzene	0.05	nd			nd	nd	nd	nd
tert-Butylbenzene	0.05	nd			nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.05	nd			nd	nd	nd	nd
sec-Butylbenzene	0.05	nd			nd	nd	nd	nd
1.3-Dichlorobenzene	0.05	nd			nd	nd	nd	nd
1.4-Dichlorobenzene	0.05	nd			nd	nd	nd	nd
Isopropyltoluene	0.05	nd			nd	nd	nd	nd
1,2-Dichlorobenzene	0.05	nd			nd	nd	nd	nd
n-Butylbenzene	0.05	nd			nd	nd	nd	nd
1.2-Dibromo-3-Chloropropane	0.05	nd			nd	nd	nd	nd
1,2,4-Trichlorobenzene	0.05	nd			nd	nd	nd	nd
Naphthalene	0.05	nd			nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.05	nd			nd	nd	nd	nd
1,2.3-Trichlorobenzene	0.05	nd			nd	nd	nd	nd
Surrogate recoveries		6.5		1			nu	110
Dibromofluoromethane		124%	120%	117%	131%	120%	122%	122%
Toluene-d8		97%	98%	99%	102%	95%	96%	98%
4-Bromotluorobenzene		102%	104%	105%	96%	103%	98%	101%

Analysis of Volatile Organic Compounds in Soil by Method 8260C/5035

Data Qualifiers and Analytical Comments

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



ADDITIONAL ANALYSIS TEST RESULTS

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

Sample Number	Date Prepared	Date Analyzed	Surrogate Recovery (%)	Diesel Range Organics (mg/kg)	Lube Oil Range Organics (mg/kg)
Method Blank	2/10/2021	2/10/2021	64	nd	nd
LCS	2/10/2021	2/10/2021	65	72%	
B6-10	2/10/2021	2/10/2021	52	nd	nd
B7-4	2/10/2021	2/10/2021	73	nd	nd
B7-16	2/10/2021	2/10/2021	68	nd	nd
Reporting Limits				50	100

"---" Indicates not tested for component.

"nd" Indicates not detected at the listed detection limits.

Analyst: LH

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 50% TO 150%



RL	MB	LCS	LCSD	B5-15	B6-4	B6-10	B7-16
			the second se			02/01/21	02/02/2
(mg/Kg)	02/12/21	02/12/21	02/12/21			02/12/21	02/12/2
				19%	16%	21%	19%
0.05							15
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		1000	0.001				nd
1		103%	94%				nd
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	000		in the second se	19.00			nd
		75%	68%	2,2,22			nd
				10.00			nd
0.175							nd
						10070	nd
1000						nd	nd
	100 44		1000		nd	nd	nd
0.14, 4, 4,		76%	66%		nd	nd	nd
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77575		1.11		2.546	nd	nd	nd
		82%	70%	nd	nd	nd	nd
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12 6 77 77				nd	nd	nd	nd
175775	1.4.44		112%	nd	nd	nd	nd
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0.05	nd			nd	nd	nd	nd
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0.02	nd	117%	102%	nd	0.06	0.05	nd
0.05	nd	130%	115%	nd	nd	nd	nd
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							98%
	101%	105%	107%	99%	106%	98%	98%
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Analysis of Chlorinated Volatile Organic Compounds in Soil by Method 8260C/5035

Data Qualifiers and Analytical Comments

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

Acceptable RPD limit: 35%

Analyst: Jennifer A



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CHAIN-OF-C ISBG 112th ave NE #300 Belleving WA 98004 DATE: 2-2-21 PROJECT NAME: Fresh 25-455-9625 EMAIL info@environmentalssociatesinc.com LOCATION: Rent			Gric Z	Chicken	1	s fulst-l pp	#	T PROJECT
CHAIN-OF-C Chain-OF-C Chain-OF-C Chain-OF-C DATE: 2-2-21 PROJECT NAME: Fresh		enter	5	aciatesiac. cow	ree currented s	. L.		VL. 100 1
CHAIN-OF-C Invirented Associates Tuc. DATE: 2-2-21 P		restant	AME:	WALLSOON	The relieve	11	- 9075	21
CHAIN-OF-C	H	-	12-2-2	111 00000	tare Zur.	- r	enulated	T
	ECOF	F-CUSTODY R	CHAIN-C					
Chicken 1				1.0000.1	(N



From:	donspencer@environmentalassociatesinc.com	
Sent:	Tuesday, February 9, 2021 1:30 PM	
To:	Jennifer Arnold	
Cc:	ESN Analytical	
Subject:	RE: Corrected Reports Firestone 02/1/21	
Hi Jennifer,		
Based on our initial re	esults, I'd like to run a few more samples from the Renton Firestone site.	
'd like to run the follo	owing soil samples for Diesel-extended:	
86-10		
37-4		
87-16		
'd like to run the follo	owing samples for chlorinated VOCs:	
35-15		
36-4		
6-10		

Eric Zuern Environmental Associates, Inc. Phone: 425-455-9025



INVOICE

ESN ANALYTICAL 3155 NE Sunset Blvd, Suite A Renton, WA 98056

February 16,2021

BILL TO: Toula Properties LLC 3801 92nd Ave NE Bellevue WA 98004 REMIT TO: ESN ANALYTICAL C/O JONAS EVANGELISTA 10701 Main St., Unit 710 Bellevue, WA 98004

Tax ID: 85-3345717

ATTENTION: Mr. Curt Kruse

PROJECT: Firestone 351 Rainier Ave., S, Renton, WA

PROJECT NUMBER: 40139-1 PROJECT MANAGER: ERIC ZUERN (EAI)

TERMS: NET 30 DAYS

Date Samples Received	Quantity	Description	Sample Matrix	Unit Cost (5 dayTAT) per Sample	AMOUNT
02/01/21, 02/02/21	10	NWTPH-Gx	w	\$60.00	\$600.00
02/01/21, 02/02/21	13	NWTPH-Dx	w	\$60.00	\$780.00
02/01/21, 02/02/21	10	NWTPH-Gx	S	\$60.00	\$600.00
02/01/21, 02/02/21	10	NWTPH-Dx	S	\$60.00	\$600.00
02/01/21, 02/02/21	10	VOC	W	\$120.00	\$1200.00
02/01/21, 02/02/21	10	VOC	S	\$120.00	\$1200.00
02/01/21,02/02/21	4	Chlorinated VOC	S	\$100.00	\$400.00
02/01/2021	1	РАН	W	\$160.00	\$160.00
02/01/2021	1	PAH	S	\$160.00	\$160.00
02/01/2021	1	PCB	W	\$75.00	\$75.00
02/01/2021	1	PCB	S	\$75.00	\$75.00
02/01/2021	1	MTCA 5 Metals	S	\$90.00	\$90.00
02/01/2021	1	MTCA 5 Metals	W	\$90.00	\$90.00
02/01/2021	32	5035 Sampling Kit	S	\$4.00	\$128.00
The start of the s				TOTAL AMOUNT DUE	\$6158.00

Invoice#: 1017

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

February 10, 2021

Eric Zuern, Project Manager Environmental Associates, Inc. 1380 112th Ave. NE, 300 Bellevue, WA 98004

Dear Mr Zuern:

Included are the results from the testing of material submitted on February 1, 2021 from the Renton Firestone PO 40139-1, F&BI 102015 project. There are 12 pages included in this report.

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

Sincerely,

FRIEDMAN & BRUYA, INC.

le

Michael Erdahl Project Manager

Enclosures EAI0210R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 1, 2020 by Friedman & Bruya, Inc. from the Environmental Associates Renton Firestone PO 40139-1, F&BI 102015 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Environmental Associates</u>
102015 -01	B5
102015 -02	B9
102015 -03	B10

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

APH EC5-8 aliphatics were detected in the MA-APH method blank at a level greater than one tenth the concentration detected in the samples. The data were flagged accordingly.

All other quality control requirements were acceptable.
ENVIRONMENTAL CHEMISTS

Client Sample ID: B5 Client: Environmental Associates	
Date Received: 02/01/21 Project: Renton Firestone PO 40139-1, F&BI	102015
Date Collected: 02/01/21 Lab ID: 102015-01 1/5.2	
Date Analyzed: 02/05/21 Data File: 020427.D	
Matrix: Air Instrument: GCMS12	
Units: ug/m3 Operator: bat	
% Lower Upper	
Surrogates: Recovery: Limit: Limit:	
4-Bromofluorobenzene 101 70 130	
Concentration	
Compounds: ug/m3	
APH EC5-8 aliphatics 1,900	
APH EC9-12 aliphatics 510	
APH EC9-10 aromatics 180	

ENVIRONMENTAL CHEMISTS

Client Sample ID:	B9	Client	:	Environmental Associates
Date Received:	02/01/21	Projec	et:	Renton Firestone PO 40139-1, F&BI 102015
Date Collected:	02/01/21	Lab II	D:	102015-02 1/3.3
Date Analyzed:	02/05/21	Data	File:	020426.D
Matrix:	Air	Instru	iment:	GCMS12
Units:	ug/m3	Opera	tor:	bat
	%	Lower	Upper	
Surrogates:	Recovery:	Limit:	Limit:	
4-Bromofluorobenz	zene 100	70	130	
	Concentration			
Compounds:	ug/m3			
APH EC5-8 alipha	tics 910 fb			
APH EC9-12 aliph				
APH EC9-10 arom				

ENVIRONMENTAL CHEMISTS

Client Sample ID: B10	Client:	Environmental Associates
Date Received: 02/01/21	Project:	Renton Firestone PO 40139-1, F&BI 102015
Date Collected: 02/01/21	Lab ID:	102015-03 1/3.1
Date Analyzed: 02/05/21	Data File:	020424.D
Matrix: Air	Instrument:	GCMS12
Units: ug/m3	Operator:	bat
%	Lower Upper	
Surrogates: Recovery:	Limit: Limit:	
4-Bromofluorobenzene 99	70 130	
Concentration		
Compounds: ug/m3		
APH EC5-8 aliphatics 710 fb		
APH EC9-12 aliphatics 410		
APH EC9-10 aromatics 190		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Collected: Date Analyzed: Matrix:	Not Applicable Not Applicable 02/04/21 Air		et: D: File: ument:	Environmental Associates Renton Firestone PO 40139-1, F&BI 102015 01-221 MB 020413.D GCMS12
Units:	ug/m3	Opera	tor:	bat
Surrogates: 4-Bromofluorobenz	% Recovery: zene 103	Lower Limit: 70	Upper Limit: 130	
	Concentration			
Compounds:	ug/m3			
APH EC5-8 alipha APH EC9-12 aliph APH EC9-10 arom	atics <50			

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Date Received: Date Collected: Date Analyzed: Matrix: Units:	B5 02/01/21 02/01/21 02/05/21 Air ug/m3	L	Client Projec Lab II Data Instru Opera	et: D: File: 1ment:	Environmental Associates Renton Firestone PO 40139-1, F&BI 102015 102015-01 1/5.2 020427.D GCMS12 bat
		%	Lower	Upper	
Surrogates:]	Recovery:	Limit:	Limit:	
4-Bromofluorobenz		101	70	130	
		Concent	tration		
Compounds:		ug/m3	ppbv		
T 7' 1 1 1 1					
Vinyl chloride		<1.3	<0.52		
Chloroethane		<14	<5.2		
1,1-Dichloroethene	.1	<2.1	< 0.52		
trans-1,2-Dichloroe	thene	<2.1	< 0.52		
1,1-Dichloroethane		<2.1	<0.52		
cis-1,2-Dichloroethe		<2.1	<0.52		
1,2-Dichloroethane		< 0.21	<0.052		
1,1,1-Trichloroetha	ne	49	9.0		
Benzene		4.7	1.5		
Trichloroethene		<0.56	<0.1		
Toluene		<98	<26		
1,1,2-Trichloroetha	ne	<0.28	<0.052		
Tetrachloroethene		440	66		
Ethylbenzene		16	3.6		
m,p-Xylene		92	21		
o-Xylene		25	5.7		
Naphthalene		3.1	0.58		

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID: Date Received: Date Collected: Date Analyzed: Matrix: Units:	B9 02/01/2 02/01/2 02/05/2 Air ug/m3	21	Clien Projec Lab I Data Instru Opera	ct: D: File: ument:	Environmental Associates Renton Firestone PO 40139-1, F&BI 102015 102015-02 1/3.3 020426.D GCMS12 bat
		%	Lower	Upper	
Surrogates:		Recovery:	Limit:	Limit:	
4-Bromofluorobenz	ene	100	70	130	
		_			
		Concent	tration		
Compounds:		ug/m3	ppbv		
Vinyl chloride		<0.84	<0.33		
Chloroethane		<0.84 <8.7	<0.33 <3.3		
1,1-Dichloroethene		<0.7 <1.3	<0.33		
trans-1,2-Dichloroe	thone	<1.3 <1.3	<0.33 <0.33		
1,1-Dichloroethane		<1.3 <1.3	<0.33 <0.33		
cis-1,2-Dichloroethe		<1.3	<0.33 <0.33		
1,2-Dichloroethane		< 0.13	<0.33		
1,1,1-Trichloroetha	. ,	~0.15 3.6	<0.033 0.67		
Benzene	ne	5.0 5.4	1.7		
Trichloroethene		< 0.35	<0.066		
Toluene		<62	<16		
1,1,2-Trichloroetha	ne	<0.18	< 0.033		
Tetrachloroethene		<22	<3.3		
Ethylbenzene		15	3.6		
m,p-Xylene		86	20		
o-Xylene		23	5.2		
Naphthalene		3.4	0.64		
-					

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

3.6

0.69

Naphthalene

Client Sample ID: Date Received: Date Collected: Date Analyzed: Matrix: Units:	B10 02/01/2 02/01/2 02/05/2 Air ug/m3	21	Client Projec Lab II Data I Instru Opera	ct: D: File: ument:	Environmental Associates Renton Firestone PO 40139-1, F&BI 102015 102015-03 1/3.1 020424.D GCMS12 bat
Sumagataa		%	Lower	Upper	
Surrogates: 4-Bromofluorobenze	ene	Recovery: 98	Limit: 70	Limit: 130	
		Concent	tration		
Compounds:		ug/m3	ppbv		
Vinyl chloride		<0.79	<0.31		
Chloroethane		<8.2	<3.1		
1,1-Dichloroethene		<1.2	<0.31		
trans-1,2-Dichloroe	thene	<1.2	<0.31		
1,1-Dichloroethane		<1.3	<0.31		
cis-1,2-Dichloroethe	ene	<1.2	< 0.31		
1,2-Dichloroethane	(EDC)	<0.13	<0.031		
1,1,1-Trichloroetha	ne	<1.7	<0.31		
Benzene		5.6	1.8		
Trichloroethene		<0.33	<0.062		
Toluene		63	17		
1,1,2-Trichloroetha	ne	<0.17	<0.031		
Tetrachloroethene		<21	<3.1		
Ethylbenzene		18	4.0		
m,p-Xylene		100	23		
o-Xylene		26	6.1		
Mombehalana		0.0	0.00		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Collected: Date Analyzed: Matrix: Units:	Not A		Client Projec Lab II Data Instru Opera	ct: D: File: 1ment:	Environmental Associates Renton Firestone PO 40139-1, F&BI 102015 01-221 MB 020413.D GCMS12 bat
		%	Lower	Upper	
Surrogates:		Recovery:	Limit:	Limit:	
4-Bromofluorobenz	ene	103	70	130	
~ .		Concent	ration		
Compounds:		ug/m3	ppbv		
Vinyl chloride		<0.26	<0.1		
Chloroethane		<2.6	<1		
1,1-Dichloroethene		<0.4	<0.1		
trans-1,2-Dichloroe	thene	< 0.4	< 0.1		
1,1-Dichloroethane		<0.4	<0.1		
cis-1,2-Dichloroethe	ene	< 0.4	< 0.1		
1,2-Dichloroethane	(EDC)	< 0.04	< 0.01		
1,1,1-Trichloroetha	ne	<0.55	<0.1		
Benzene		<0.32	<0.1		
Trichloroethene		<0.11	< 0.02		
Toluene		<19	<5		
1,1,2-Trichloroetha	ne	< 0.055	<0.01		
Tetrachloroethene		<6.8	<1		
Ethylbenzene		<0.43	<0.1		
m,p-Xylene		<0.87	<0.2		
o-Xylene		<0.43	<0.1		
Naphthalene		<0.26	< 0.05		

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/21 Date Received: 02/01/21 Project: Renton Firestone PO 40139-1, F&BI 102015

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 102015-03 1/3.1 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
APH EC5-8 aliphatics	ug/m3	710 fb	690 fb	3
APH EC9-12 aliphatics	ug/m3	410	400	2
APH EC9-10 aromatics	ug/m3	190	170	11

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
APH EC5-8 aliphatics	ug/m3	<u>67</u>	85	70-130
APH EC9-12 aliphatics APH EC9-10 aromatics	ug/m3 ug/m3	67 67	$\begin{array}{c} 103 \\ 113 \end{array}$	70-130 70-130

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/21 Date Received: 02/01/21 Project: Renton Firestone PO 40139-1, F&BI 102015

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 102015-03 1/3.1 (Duplicate)

	Reporting	Sample	Duplicate	RPD
Analyte	Units	Result	Result	(Limit 30)
Vinyl chloride	ug/m3	<0.79	<0.79	nm
Chloroethane	ug/m3	<8.2	<8.2	nm
1,1-Dichloroethene	ug/m3	<1.2	<1.2	nm
trans-1,2-Dichloroethene	ug/m3	<1.2	<1.2	nm
1,1-Dichloroethane	ug/m3	<1.3	<1.3	nm
cis-1,2-Dichloroethene	ug/m3	<1.2	<1.2	nm
1,2-Dichloroethane (EDC)	ug/m3	<0.13	<0.13	nm
1,1,1-Trichloroethane	ug/m3	<1.7	<1.7	nm
Benzene	ug/m3	5.6	5.3	6
Trichloroethene	ug/m3	<0.33	< 0.33	nm
Toluene	ug/m3	63	<58	nm
1,1,2-Trichloroethane	ug/m3	<0.17	<0.17	nm
Tetrachloroethene	ug/m3	<21	<21	nm
Ethylbenzene	ug/m3	18	16	12
m,p-Xylene	ug/m3	100	93	7
o-Xylene	ug/m3	26	24	8
Naphthalene	ug/m3	3.6	3.4	6

Laboratory Code: Laboratory Control Sample

	1		Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Vinyl chloride	ug/m3	35	99	70-130
Chloroethane	ug/m3	36	108	70-130
1,1-Dichloroethene	ug/m3	54	102	70-130
trans-1,2-Dichloroethene	ug/m3	54	99	70-130
1,1-Dichloroethane	ug/m3	55	102	70-130
cis-1,2-Dichloroethene	ug/m3	54	101	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	103	70-130
1,1,1-Trichloroethane	ug/m3	74	102	70-130
Benzene	ug/m3	43	101	70-130
Trichloroethene	ug/m3	73	99	70-130
Toluene	ug/m3	51	97	70-130
1,1,2-Trichloroethane	ug/m3	74	102	70-130
Tetrachloroethene	ug/m3	92	97	70-130
Ethylbenzene	ug/m3	59	103	70-130
m,p-Xylene	ug/m3	120	104	70-130
o-Xylene	ug/m3	59	106	70-130
Naphthalene	ug/m3	71	105	70-130

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

 ${\rm d}$ - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

 ${\bf j}$ - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

 ${\rm J}$ - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

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

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

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

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

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

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

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

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

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

FORMSNCOCYCOCTO-15_DOC	Ph. (206) 285-8282	Sentile WA 98119-2029	Friedman & Bruya, Inc.							Pio	PS	82	Sample Name	SAMPLE INFORMATION	City, State, ZIP Belle J ve Phone 425-455-4025 Emai	Report To GAIC ZUERN Company Ewino Amerika As
Received by:	Relinquished by:	Received by:	SIGNATURE							808 8233 303	102 4180 307	205 LIN 10	Lab Canister Cont. ID ID ID		Bmail info Peningunental	Associates Inc.
	1 min	- sh	URE		IA / SG	IA / SG	IA / SG	IA / SG	IA / SG	8 IA 1(SG	I IA 1(SG)	2 IA / SG	Reporting Level: L=Indoor Air L SG=Soil Gas (Circle One)		NOTES:	SAMPLERS PROJECT N Zente A
	NAME FARA		PRINT NAME							U 30 7:594	30 9:52 4 0	2-1-21 29 9:43 H	Date Vac. Initial Vac. Sampled ("Hg) Time ("Hg)		Nifer. (a HOK: dder, cam	(signature) (1) IAME & ADDRESS Firestore
	1074	T off	COMPANY	a construction of the second		Sar				LODY XXX		Pirts XXX	TO15 Full Scan TO15 BTEXN TO15 cVOCs APH	ANALYSIS REQUESTED	NVOICE TO	4039-1
	-	2-1-2 1	DATE			mples received at 16						Can # 4177	Helium Notes	UESTED	SAMPLE DISPOSAL Profault: Clean after 3 days Archive (Fee may apply)	TURNAROUND TIME

natchee Regional Landfill Grea Reprint Road Ticket# 924155 191 Webb Wenatachee MANAge98802 Ph: (509) 884-2802 Customer Name ANDERSON ENVIRONMENTAL A Carrier r transport Vehicle# 88 Ticket Date 04/27/2022 Payment Type Credit Account Container Manual Ticket# Driver Route Check# Hauling Ticket# Billing# 0508083 Destination Grid Manifest 116848wa Profile 116848WA (CID SOIL) Generator 168-FORMER FIRESTONE AUTO CARE FORMER FIRESTONE AUTO CARE PROPERTY 351 RAIN PO# 21-0050 95860 lb Time Scale Operator Inbound Gross In 04/27/2022 12:06:41 Inbound 39520 lb Janelle Tare Out 04/27/2022 12:19:38 Outbound Janelle Net 56340 lb

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount Origin
 Spwaste Solid Oth-Tons- EVF-P-Standard Environm CDHD FEE-Chelan Douglas TF-TRANSPORTATION FEE T 	n 100 s 100	28.17 28.17 28.17	Tons % Tons Tons			KING KING KING KING

Total Tax/Fees Total Ticket

Tons

28.17

Driver`s Signature

A for RTV anput 87

natchee Regional Landfill Grea Reprint Road Ticket# 924240 191 Webb Wenatachee MANAge98802 Ph: (509) 884-2802 Customer Name ANDERSON ENVIRONMENTAL A Carrier r transport Vehicle# 87 Ticket Date 04/28/2022 Payment Type Credit Account Container Manual Ticket# Driver Route Check# Hauling Ticket# Billing# 0508083 Destination Grid Manifest 116848wa Profile 116848WA (CID SOIL) Generator 168-FORMER FIRESTONE AUTO CARE FORMER FIRESTONE AUTO CARE PROPERTY 351 RAIN PO# 21-0050 109060 lb Time Scale Operator Inbound Gross In 04/28/2022 09:21:38 Inbound Janelle 41640 lb Tare Out 04/28/2022 09:40:26 Outbound Janelle Net 67420 lb

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount Origin
 Spwaste Solid Oth-Tons- EVF-P-Standard Environm CDHD FEE-Chelan Douglas TF-TRANSPORTATION FEE T 	100 100	33.71 33.71 33.71	Tons % Tons Tons			KING KING KING KING

Total Tax/Fees Total Ticket

Tons

33.71

Driver`s Signature

Jel for R Transport 87

natchee Regional Landfill Grea Reprint Road Ticket# 924294 191 Webb Wenatachee MANAge98802 Ph: (509) 884-2802 Customer Name ANDERSON ENVIRONMENTAL A Carrier r transport Vehicle# 84 Ticket Date 04/28/2022 Payment Type Credit Account Container Manual Ticket# Driver Route Check# Hauling Ticket# Billing# 0508083 Destination Grid Manifest 116848wa Profile 116848WA (CID SOIL) Generator 168-FORMER FIRESTONE AUTO CARE FORMER FIRESTONE AUTO CARE PROPERTY 351 RAIN PO# 21-0050 62800 lb Time Scale Operator Inbound Gross In 04/28/2022 13:45:46 Inbound Janelle 42420 lb Tare Out 04/28/2022 14:00:51 Outbound Janelle Net 20380 lb

Comments

Proc	luct	LD%	Qty	UOM	 Rate	Tax/Fee	Amount	Origin	
1 2	Spwaste Solid Oth-Tons- EVF-P-Standard Environm		10.19	Tons %				KING	
3	CDHD FEE-Chelan Douglas TF-TRANSPORTATION FEE T	100	10.19 10.19	Tons Tons					
5	SBY125-STAND BY 125\$/HR		3.00	Each					

Total Tax/Fees Total Ticket

Tons

10.19

Driver`s Signature

Al for ETransport

atchee Regional Landfill Grea Reprint Road Ticket# 924816 191 Webb Wenatachee MANAge98802 Ph: (509) 884-2802 Carrier r transport Vehicle# r80 Customer Name ANDERSON ENVIRONMENTAL A Carrier Ticket Date 05/05/2022 Payment Type Credit Account Container Manual Ticket# Driver Route Check# Hauling Ticket# Billing# 0508083 Destination Grid Manifest 116848wa 116848WA (CID SOIL) Profile Generator 168-FORMER FIRESTONE AUTO CARE FORMER FIRESTONE AUTO CARE PROPERTY 351 RAIN PO# 21-0050 60140 lb Time Scale Operator Inbound Gross In 05/05/2022 06:03:16 Inbound Janelle 39860 lb Tare Out 05/05/2022 06:19:16 Outbound Janelle Net 20280 lb

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount Origin
 Spwaste Solid Oth-Tons- EVF-P-Standard Environm CDHD FEE-Chelan Douglas TF-TRANSPORTATION FEE T 	100 100	10.14 10.14 10.14	Tons % Tons Tons			KING KING KING KING

Total Tax/Fees Total Ticket

Tons

10.14

Driver`s Signature

IL for Jason RTransport

Table 749-1Simplified Terrestrial Ecological Evaluation – ExposureAnalysis Procedure under WAC 173-340-7492(2)(a)(ii).ª

Estimate the area of contiguous (connected) undeveloped land on the site or within 500 feet of any area of the site to the nearest 1/2 acre (1/4 acre if the area is less than 0.5acre). "Undeveloped land" means land that is not covered by existing buildings, roads, paved areas or other barriers that will prevent wildlife from feeding on plants, earthworms, insects or other food in or on the soil. 1) From the table below, find the number of points corresponding to the area and enter this number in the box to the right. Points Area (acres) 0.25 or less 4 0.5 5 1.0 6 4 7 1.5 8 2.02.5 9 3.0 10 3.5 11 12 4.0 or more 2) Is this an industrial or commercial property? 3 See WAC 173-340-7490(3)(c). If yes, enter a score of 3 in the box to the right. If no, enter a score of 1. 3) Enter a score in the box to the right for the habitat quality of the site, using the rating system 3 shown below^b. (High = 1, Intermediate = 2, Low = 3) 4) Is the undeveloped land likely to attract 2 wildlife? If yes, enter a score of 1 in the box to the right. If no, enter a score of 2. See footnote c. 5) Are there any of the following soil contaminants present: Chlorinated dioxins/furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, Y endosulfan, endrin, heptachlor, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, pentachlorobenzene? If yes, enter a score of 1 in the box to the right. If no, enter a score of 4. 6) Add the numbers in the boxes on lines 2 12 through 5 and enter this number in the box to the right. If this number is larger than the number in the box on line 1, the simplified terrestrial ecological evaluation may be ended under WAC 173-340-7492 (2)(a)(ii).

Footnotes:

c

- **a** It is expected that this habitat evaluation will be undertaken by an experienced field biologist. If this is not the case, enter a conservative score (1) for questions 3 and 4.
- b Habitat rating system. Rate the quality of the habitat as high, intermediate or low based on your professional judgment as a field biologist. The following are suggested factors to consider in making this evaluation:

Low: Early successional vegetative stands; vegetation predominantly noxious, nonnative, exotic plant species or weeds. Areas severely disturbed by human activity, including intensively cultivated croplands. Areas isolated from other habitat used by wildlife.

High: Area is ecologically significant for one or more of the following reasons: Late-successional native plant communities present; relatively high species diversity; used by an uncommon or rare species; priority habitat (as defined by the Washington Department of Fish and Wildlife); part of a larger area of habitat where size or fragmentation may be important for the retention of some species.

Intermediate: Area does not rate as either high or low.

Indicate "yes" if the area attracts wildlife or is likely to do so. Examples: Birds frequently visit the area to feed; evidence of high use by mammals (tracks, scat, etc.); habitat "island" in an industrial area; unusual features of an area that make it important for feeding animals; heavy use during seasonal migrations.