TRANSMITTAL

Project No.: 110101

October 28, 2021

Attn:	Mr. Mark Wolf U-Save Oil Company P.O. Box 1858 Anacortes, WA 98221	**Re:**	U-Save Oil – Mount Vernon (VCP# NW2637) October 2021 Groundwater Sampling

We are sending the following via:

☐ Regular Mail ☒ E-Mail ☐ Hand Deliver

☐ Overnight Delivery ☐ Courier ☐ Client Pickup

Qty	Description
1	Table 1—Groundwater Sampling Analytical Results
1	Figure 1—Site Plan
1	Laboratory Report

Remarks: Enclosed are the results from the October 2021 groundwater monitoring activities. The October 2021 groundwater monitoring was the final round of planned groundwater monitoring. The Site is due for a 5-year review with Washington State Department of Ecology. Aspect recommends discontinuing groundwater monitoring because concentrations have been below cleanup levels since October 2016.

cc:	Grant Yang, Washington State Department of Ecology	**Sent by:**	Amy Tice, LG Project Geologist atice@aspectconsulting.com

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Table 1. Groundwater Sampling Analytical Results

Project No. 110101, U-Save Oil Company - Mount Vernon Site
Mount Vernon, Washington

Sample ID	Sample Date	BTEX (8021B)/Gasoline (NWTPH-Gx) Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Gasoline µg/L	VOCs (8260C) MTBE µg/L	Naphthalene µg/L	n-Hexane µg/L	NWTPH-Dx Diesel µg/L	
MW-6	9/23/2005	<1	<1	<1	<3	<100	na	na	na	94	
MW-6	5/21/2010	<1	<1	<1	<3	<100	na	na	na	na	
MW-6	7/19/2011	<1	<1	<1	<3	180	na	na	na	81	x
MW-9	4/27/2001	**69**	72	532	**2,500**	**16,000**	na	na	na	**6,400**	
MW-10	1/14/2004	**12**	13	62	300	**2,500**	na	na	na	**1,800**	
MW-10	6/17/2004	**8**	3	28	180	**1,800**	na	na	na	na	
MW-10	6/29/2004	**10**	8	80	350	**3,700**	na	na	na	na	
MW-10	10/5/2004	**11**	15	61	290	**3,700**	na	na	na	na	
MW-10	12/29/2004	**13**	2	16	100	**1,800**	na	na	na	na	
MW-10	03/16/2005	**16**	18	150	380	**3,000**	na	na	na	na	
MW-10	6/21/2005	**20**	18	220	510	**3,600**	na	na	na	na	
MW-10	9/23/2005	**16**	10	170	370	**3,100**	na	na	na	**2,100**	
MW-10	1/8/2007	**29**	42	200	630	**9,400**	na	na	na	na	
MW-10	5/21/2010	<1	<1	10	20	**1,500**	na	na	na	na	
MW-10	7/19/2011	3	9	4	8	**1,300**	na	na	na	500	x
MW-10	4/30/2013	1.9	3.5	2	6.5	**830**	na	na	na	200	x
MW-10	3/16/2015	0.86	<1	<1	<3	430	<1	<1	<1	210	x
MW-10	6/10/2015	<0.35	<1	<1	<3	220	<1	<1	<1	300	x
MW-10	9/14/2015	<0.35	<1	<1	<3	620	<1	<1	<1	420	x
MW-10	12/30/2015	0.59	<1	<1	<3	610	<1	<1	<1	220	x
MW-10	2/23/2016	1	<1	<1	<3	350	<1	<1	<1	170	x
MW-10	7/19/2016	<0.35	<1	<1	<3	310	<1	<1	<1	300	x
MW-10	10/21/2016	<0.35	<1	<1	<3	**980**	<1	<1	<1	450	x
MW-10	5/9/2018	<0.35	<1	<1	<3	360	<1	<1	<1	94	x
MW-10	6/9/2020	<0.35	<1	<1	<3	340	<1	<1	<1	110	x
MW-10	10/21/2021	<0.35	3.0	3.4	4.6	330	na	na	na	250	x
MW-11	10/2/2003	**28**	4	5	56	550	na	na	na	360	
MW-11	11/25/2003	1	<1	<1	<3	<50	na	na	na	<250	
MW-11	1/14/2004	3	<1	<1	<3	<50	na	na	na	<250	
MW-11	6/17/2004	5	6	74	98	**2000**	na	na	na	na	
MW-11	6/29/2004	**9**	8	80	120	**3200**	na	na	na	na	
MW-11	10/5/2004	**12**	5	10	19	**2100**	na	na	na	na	
MW-11	12/29/2004	<1	<1	<1	<3	100	na	na	na	na	
MW-11	3/16/2005	1	<1	<1	<3	<50	na	na	na	na	
MW-11	6/21/2005	<1	<1	<1	<3	<100	na	na	na	na	
MW-11	9/23/2005	2	<1	<1	<3	<100	na	na	na	110	
MW-11	12/16/2005	2	2	2	3	210	na	na	na	na	
MW-11	5/21/2010	<1	<1	<1	<3	<100	na	na	na	na	
MW-11	7/19/2011	<1	<1	<1	<3	<100	na	na	na	74	x
MW-12	10/2/2003	**49**	>1	>1	16	430	na	na	na	**1,100**	
MW-12	11/25/2003	**55**	9	59	150	**1,600**	na	na	na	**1,200**	
MW-12	1/14/2004	**45**	9	24	71	**1,300**	na	na	na	**740**	
MW-12	6/17/2004	**12**	>1	>1	<3	290	na	na	na	na	
MW-12	6/29/2004	**18**	>1	2	4	410	na	na	na	na	
MW-12	10/5/2004	**8**	>1	>1	<3	300	na	na	na	na	
MW-12	12/29/2004	**27**	1	>1	<3	340	na	na	na	na	
MW-12	3/16/2005	<1	<1	<1	<3	56	na	na	na	na	
MW-12	6/21/2005	1	<1	<1	<3	<100	na	na	na	na	
MW-12	9/23/2005	<1	<1	<1	<3	<100	na	na	na	160	
MW-12	12/16/2005	3	<1	<1	<3	<100	na	na	na	na	
MW-12	5/21/2010	<1	1	<1	<3	100	na	na	na	na	
MW-12	7/19/2011	2	1	1	<3	180	na	na	na	230	x
MW-13	12/29/2004	<1	<1	<1	<3	<50	na	na	na	na	
MW-13	3/16/2005	<1	<1	<1	<3	<50	na	na	na	na	
MW-13	6/21/2005	<1	1	<1	<3	<100	na	na	na	na	
MW-13	9/23/2005	<1	1	<1	<3	<100	na	na	na	140	
MW-13	5/21/2010	<1	1	<1	<3	<100	na	na	na	na	
MW-13	7/19/2011	<1	1	<1	<3	<100	na	na	na	100	x
MW-14	12/29/2004	**63**	1	<1	<3	380	na	na	na	na	
MW-14	3/16/2005	**88**	2	2	10	570	na	na	na	na	
MW-14	6/21/2005	**64**	4	<1	8	390	na	na	na	na	
MW-14	9/23/2005	**61**	9	130	170	**2,100**	na	na	na	**960**	
MW-14	1/8/2007	**42**	1	<1	6	420	na	na	na	na	
MW-14	5/21/2010	3	<1	<1	<3	190	na	na	na	na	
MW-14	7/19/2011	<1	<1	<1	<3	<100	na	na	na	120	x
MW-14	3/16/2015	<0.35	<1	<1	<3	<100	<1	<1	<1	70	x
MW-14	6/10/2015	<0.35	<1	<1	<3	160	<1	<1	<1	170	x
MW-14	9/14/2015	**16**	1.7	5.4	4.6	**1,300**	<1	6.6	4.1	**940**	x
MW-14	12/30/2015	<0.35	<1	<1	<3	<100	<1	<1	<1	59	x
MW-14	2/23/2016	<0.35	<1	<1	<3	<100	<1	<1	<1	59	x
MW-14	7/19/2016	<0.35	<1	<1	<3	<100	<1	<1	<1	57	x
MW-14	10/21/2016	1.4	<1	<1	<3	180	<1	<1	<1	64	x
MW-14	5/9/2018	<0.35	<1	<1	<3	<100	<1	<1	<1	100	x
MW-14	6/9/2020	<0.35	<1	<1	<3	<100	<1	<1	<1	<50	
Cleanup Levels [a]		5	1,000	700	1,000	800 [b]	20	160	480 [c]	500	

Notes:

Shaded values exceed cleanup levels.

a) Washington Administrative Code Chapter 173-340, State of Washington Model Toxics Control Act Cleanup Regulation Method A cleanup levels for groundwater.

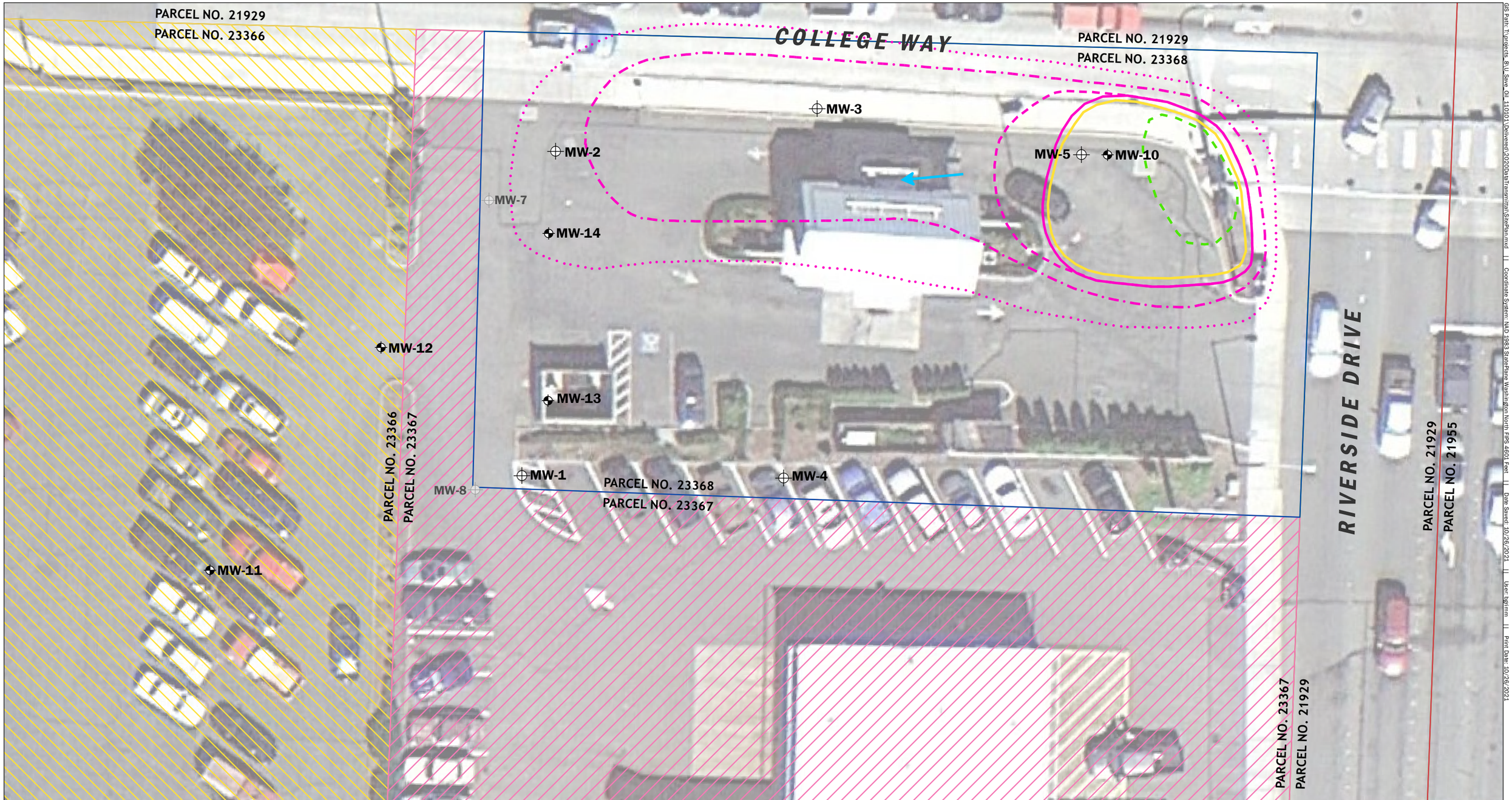
b) 800 µg/L if benzene is present in groundwater.

c) Method B Formula value used; no Method A value available.

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

µg/L - micrograms per liter.

< - analyte not detected at or greater than the listed concentration.



Exploration Type

- Monitoring Well
- Removed Monitoring Well
- Historic groundwater flow direction
- Parcel No. 21929
- Parcel No. 21955
- Parcel No. 23366
- Parcel No. 23367
- Parcel No. 23368

Inferred Extent of Residual Groundwater Plume in:

- 2018
- 2016
- 2013
- 2011
- 2010
- 2007

Note: 2021 and 2020 Groundwater Results were below cleanup levels, therefore no Inferred Extent of Residual Groundwater Plume is shown.

N

0 20 40
Feet

Site Plan

U-Save Oil Company
Mount Vernon, Washington

Aspect Consulting	OCT-2021	BY: JRB / EAC / SBM	FIGURE NO. 1
	PROJECT NO. 110101	REV BY: SBM / EAC / AET / WEG	

GIS Path: T:\projects_8\U_Save_Oil_110101\Delivered\20220hasTransmittal\SitePlan.mxd | | Coordinate System: NAD 1983 StatePlane Washington North FIPS 4601 Feet | | Date Saved: 10/26/2021 | | User: bjtrimm | | Print Date: 10/26/2021

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
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www.friedmanandbruya.com

October 26, 2021

Amy Tice, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Tice:

Included are the results from the testing of material submitted on October 21, 2021 from the U-Save Oil 110101, F&BI 110418 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

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

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Aspect Data
ASP1026R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on October 21, 2020 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC U-Save Oil 110101, F&BI 110418 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Aspect Consulting, LLC
110418 -01	MW-10-10212021

All quality control requirements were acceptable.

Date of Report: 10/26/21
Date Received: 10/21/21
Project: U-Save Oil 110101, F&BI 110418
Date Extracted: 10/22/21
Date Analyzed: 10/22/21

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

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
MW-10-10212021 110418-01	<1	3.0	3.4	4.6	330	83
Method Blank 01-2311 MB	<1	<1	<1	<3	<100	81

Date of Report: 10/26/21
Date Received: 10/21/21
Project: U-Save Oil 110101, F&BI 110418
Date Extracted: 10/22/21
Date Analyzed: 10/22/21

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

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
MW-10-10212021 110418-01 1/1.2	250 x	<300	99
Method Blank 01-2441 MB2	<50	<250	87

Date of Report: 10/26/21
Date Received: 10/21/21
Project: U-Save Oil 110101, F&BI 110418

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

Laboratory Code: 110417-01 (Duplicate)

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	102	65-118
Toluene	ug/L (ppb)	50	107	72-122
Ethylbenzene	ug/L (ppb)	50	108	73-126
Xylenes	ug/L (ppb)	150	102	74-118
Gasoline	ug/L (ppb)	1,000	98	69-134

Date of Report: 10/26/21
Date Received: 10/21/21
Project: U-Save Oil 110101, F&BI 110418

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	92	88	63-142	4

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

110418

SAMPLE CHAIN OF CUSTODY

ME 10/21/21 UW2/ E03

Page # 1 of 1

Report To Amy Tice

Company Aspect consulting

Address 710 2nd street ste ~~550~~ C50

City, State, ZIP Seattle, Wa, 98104

Phone 206.838.6585 Email ame@aspectconsulting.com

SAMPLERS (signature) Ashley Provow

PROJECT NAME: U-save oil

PO #: 110101

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

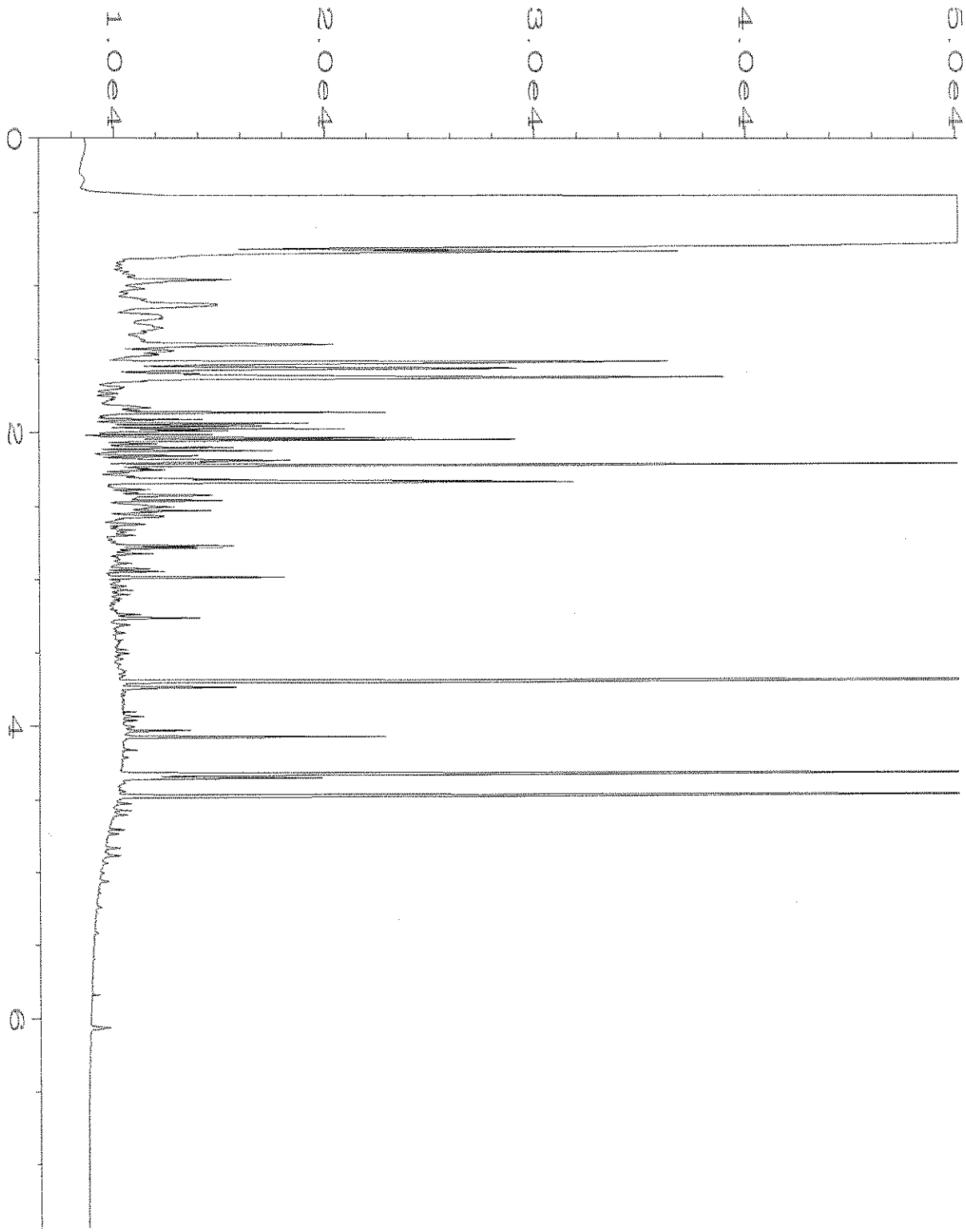
TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

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

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
MW-10-10212021	01 A,B,C,D	10/21/21	1055	W	4	x	x	x									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Ashley Provow	Ashley Provow	Aspect	10/21/21	1253
Received by: Nhan Phan	Nhan Phan	FEBI	10/21/21	1253
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282



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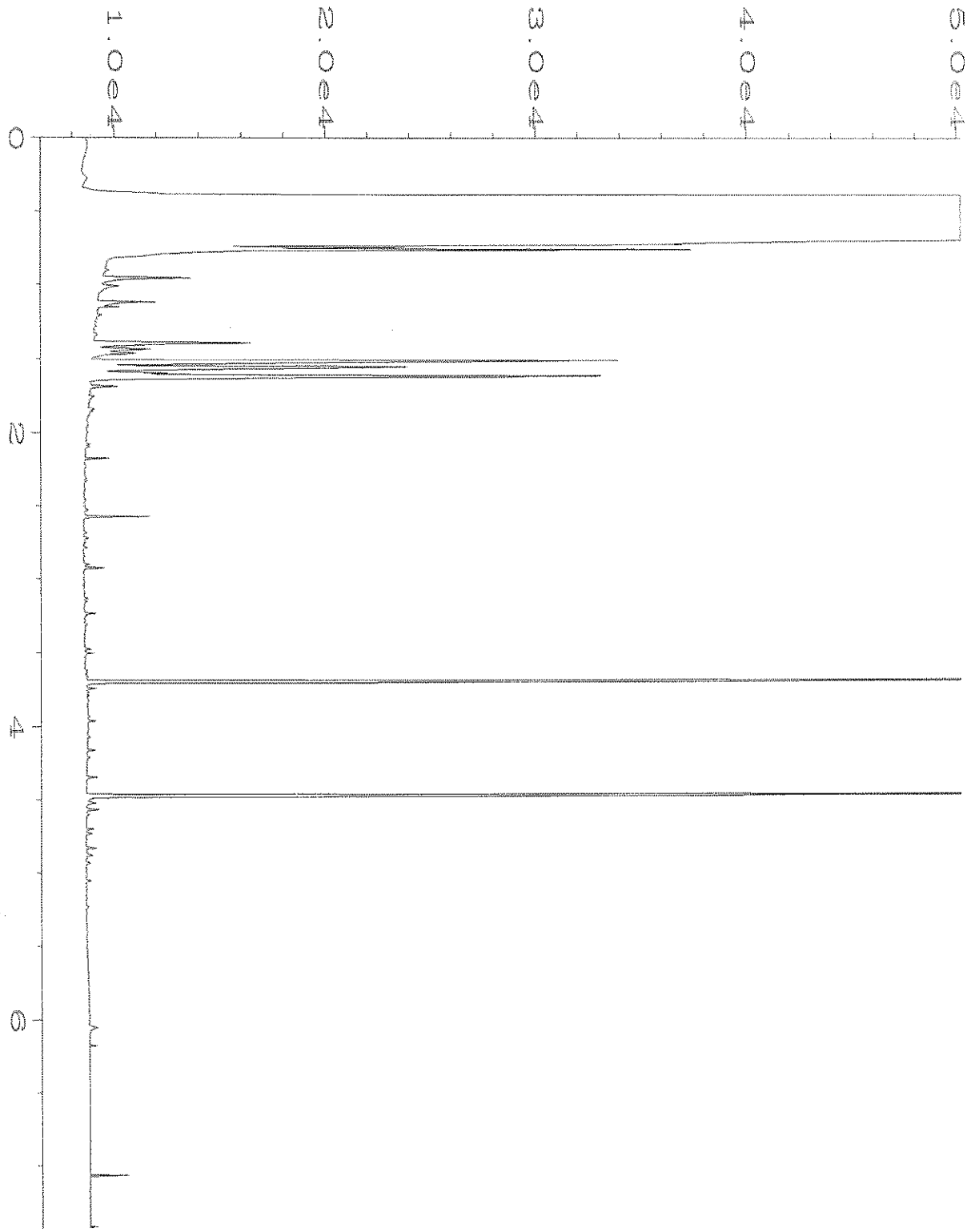
Report Created on	: 25 Oct 21 11:42 AM	Analysis Method	: DEFAULT.MTH



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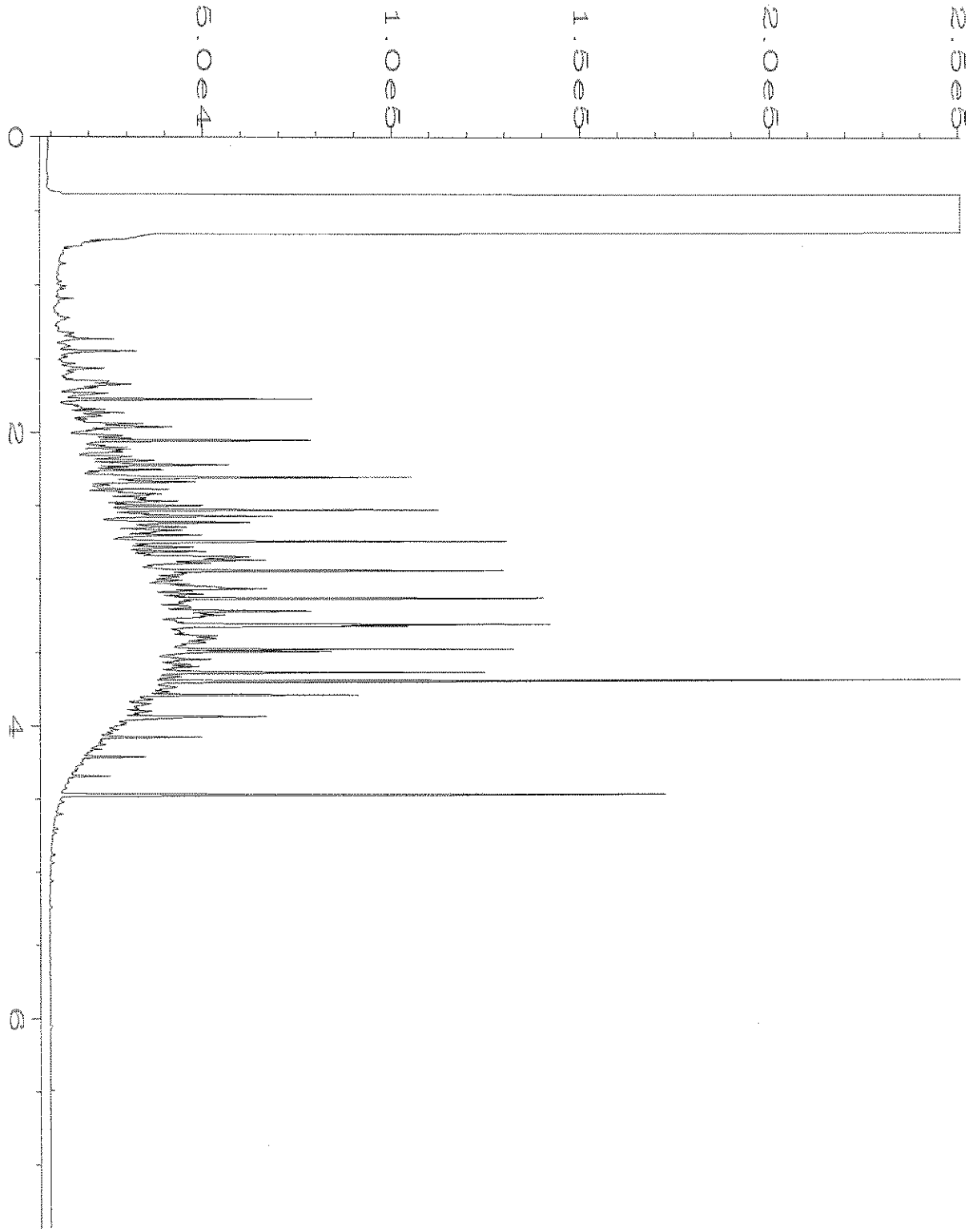
Report Created on	: 25 Oct 21 11:42 AM	Analysis Method	: DEFAULT.MTH



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Sample Name	: 500 Dx 64-13H	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 22 Oct 21 05:44 AM	Instrument Method	: DX.MTH
Report Created on	: 25 Oct 21 11:42 AM	Analysis Method	: DEFAULT.MTH