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ANCHOR QEA

Memorandum

March 1, 2023

To: Kyle Parker, Washington State Department of Ecology

From: Halah Voges, PE, and Nik Bacher, LG, Anchor QEA, LLC

cc: Jennifer Sanscrainte, Ogden, Murphy, and Wallace, PLLC; Andrea Wing, Shell Oil Company; and Haley Ziesemer, U-Haul

Re: 2022 Groundwater Monitoring Report and Request for Closure
Yakima Valley Spray/U-Haul Facility
Consent Decree No. 04-2-00908-1
Washington State Department of Ecology Facility Site ID No. 445

Introduction

This report summarizes the results of four rounds of performance and confirmational groundwater monitoring and recommended next steps for the Yakima Valley Spray/U-Haul Site (Site; Figure 1) located at 1108 South 1st Street in Yakima, Washington, on behalf of the Yakima Valley Spray Site Remediation Group (YVSSRG). The YVSSRG is an unincorporated association made up of INW Corporation (formerly known as U-Haul Company of Inland Northwest), Shell Oil Company, and the Formulation Customer Group. A Consent Decree (No. 04-2-00908-1) for remedial action was entered into between the YVSSRG and the Washington State Department of Ecology (Ecology) on March 18, 2004.

The performance and confirmational groundwater monitoring events at the Site were conducted in accordance with the *Groundwater Compliance Monitoring Plan* (RETEC 2003a) as amended (AECOM 2013) and the sampling approach presented in the *2021 Groundwater Monitoring Report* (Anchor QEA 2022) and approved by Ecology via email on March 24, 2022 (Ecology 2022a). Subsequent modifications to the sampling program were approved by Ecology following its review of the previous months' groundwater monitoring results, as documented in emails received on June 3, August 23, and October 26, 2022 (Ecology 2022b, 2022c, 2022d). On August 18, 2019, Ecology confirmed site-specific cleanup goals had been attained for most of the Indicator Hazardous Substances (IHS) (Ecology 2019). In the 2019 letter, Ecology proposed a tiered approach to reach site closure, which included continuing performance monitoring for one IHS (diesel-range total petroleum hydrocarbons [TPH-Dx]) while proceeding to the confirmational monitoring phase for all other site IHSs for which site-specific cleanup levels have been achieved and maintained. This tiered approach, summarized in the next two paragraphs, was carried forward during the 2022 groundwater sampling.

In the 2019 letter, Ecology required that performance monitoring for TPH-Dx continue until cleanup levels are achieved and maintained, as defined by two consecutive sampling events achieving the cleanup levels. Once sampling indicates cleanup levels for TPH-Dx have been achieved and maintained, YVSSRG will be able to propose a confirmation monitoring approach for Ecology's written approval.

Ecology required confirmation monitoring for all other IHSs for at least four consecutive quarters, continuing until either the results from four consecutive quarters return non-detectable concentrations or results from eight consecutive quarters remain below established site-specific cleanup standards. When one or both conditions are met, written approval from Ecology will be required before ending confirmational monitoring for any IHS.

The first quarterly groundwater monitoring event performed in accordance with the tiered approach was completed in 2020. The last groundwater monitoring event prior to 2020 was conducted in March 2018 (AECOM 2019). A summary of the 2021 quarterly monitoring is described below. The quarterly monitoring conducted in 2022 is described in more detail in the following sections.

Based on the discussion of the 2022 groundwater monitoring results below and with the completion of the 2022 groundwater monitoring program, the YVSSRG requests approval of a conditional point of compliance (e.g., the property boundary) and administrative closure of the Site, including approval to discontinue groundwater monitoring and to abandon all monitoring wells.

2021 Groundwater Sampling Results Summary

Results for the 2021 performance monitoring and confirmational monitoring are described in the *2021 Groundwater Monitoring Report* (Anchor QEA 2022). Key findings are summarized as follows, based on 2021 analytical results:

- YVS-2 will remain in the performance monitoring program for TPH-Dx in 2022.
- All wells except YVS-1b, YVS-2, and YVS-3 have demonstrated compliance for TPH-Dx. Quarterly monitoring of YVS-1b, YVS-2, and YVS-3 will continue for 2022.
- All wells except YVS-1b and YVS-2 have demonstrated compliance for dissolved arsenic. Quarterly monitoring of YVS-1b and YVS-2 will continue for 2022.
- All wells except YVS-2 have demonstrated compliance for pesticides. Quarterly monitoring of YVS-2 will continue for 2022.
- All wells except YVS-2 have demonstrated compliance for benzene. Quarterly monitoring of YVS-2 will continue for 2022.
- All wells except YVS-1b and YVS-2 have demonstrated compliance for gasoline-range total petroleum hydrocarbons (TPH-Gx).
- All wells except YVS-1b and YVS-2 have demonstrated compliance for perchloroethylene (PCE). Quarterly monitoring of YVS-1b and YVS-2 will continue for 2022.

Groundwater Monitoring Network

The current groundwater monitoring network (Figure 2) at the Site consists of the following, which is a combination of 10 monitoring wells as outlined in the *Groundwater Compliance Monitoring Plan* (RETEC 2003a) as amended (AECOM 2013) and in Table 1:

- Three background wells: BG-60, BG-90, and MW-12
- Two sentry wells: YVS-1b and YVS-2
- Five compliance wells: YS-1, MW-6, YVS-3, YVS-3-60, and YVS-3-90

Background well MW-12 is located on the Nissan property to the north. The other wells are located within Operable Unit 1 on the INW Corporation property.

Three wells originally part of the groundwater monitoring network (background well YS-3 and sentry wells MW-10 and MW-11) located within Operable Unit 2 on BNSF Railway property are no longer part of the groundwater monitoring network (ENSR 2008).

In addition to the groundwater monitoring network wells, three other wells, YS-2, MW-8, and MW-9, are gauged during groundwater monitoring events to provide ongoing information on groundwater flow direction.

Groundwater Sampling Methods

Groundwater monitoring was conducted once in each quarter (March, June, August, and November) during 2022. Prior to each sampling event, all wells within the groundwater monitoring network were inspected to evaluate their physical condition. The 2022 well inspection findings are as follows:

- MW-6 was damaged during the June 2008 on-site construction and remains damaged. The well casing appears to be broken or bent at 8.1 feet below ground surface. However, the dedicated tubing remains intact. This well was removed from the program after 2021 sampling. and water levels could not be measured.
- It was determined during the Q1 2020 monitoring event that the dedicated QED Well Wizard sampling pumps at location YVS-1b and YVS-2 stopped functioning due to motors in these pumps failing. These wells were sampled using a peristaltic pump during the remainder of the 2020 monitoring, 2021 monitoring, and 2022 monitoring events.
- The YS-1 well housing was observed in Q4 2021 to have been damaged (the vault bolt brackets were cracked), but the well is operational.
- All other wells were fully functional and operational throughout the 2022 groundwater monitoring program.

The groundwater level in each well was measured prior to sampling; water level gauging data are presented in Table 1, and groundwater potentiometric surface maps for each quarter are shown in Figures 3 through 6. The potentiometric surface maps are based on data from the western portion of

the Site due to the damage to MW-6 and the discontinuation of gauging at YS-3, MW-10, and MW-11 within Operable Unit 2.

The groundwater samples were collected from the wells using low-flow sampling techniques (EPA 1996) and in accordance with the Ecology-approved *Focused Groundwater Sampling and Analysis Plan* (RETEC 2003b). Dedicated QED Well Wizard sampling pumps and sampling tubing were used to collect samples, except as noted previously where the QED Well Wizard sampling pumps had malfunctioned.

Each monitoring well was purged at a rate of less than 250 milliliters per minute. Water quality parameters (turbidity, pH, temperature, specific conductivity, and oxidation-reduction potential) in the groundwater were monitored during purging of each well until water quality parameters stabilized. Stabilization is determined by consecutive measurements at least 3 minutes apart that are within 10% of the previous measurement, except for specific conductivity, which should be within 3%. Field sampling forms are included in Appendix A.

The samples were collected directly (except arsenic, which was collected after first attaching a 0.45-micron in-line filter to the sampling port) into labeled, laboratory-provided bottles and were immediately placed in a cooler on ice. The cooler was kept under standard chain-of-custody procedures before being delivered to FedEx for overnight shipment to Pace Analytical Services, Inc., an Ecology-accredited laboratory in Minneapolis, Minnesota. The 2022 sampling program is shown in Exhibit A.

Select samples were analyzed for the following parameters as part of performance monitoring:

- Total petroleum hydrocarbons (TPH)
  - TPH-Dx via Northwest TPH – Diesel Extended Method (with and without silica gel cleanup)

Select samples were analyzed for the following parameters as part of confirmational monitoring:

- Pesticides via U.S. Environmental Protection Agency (EPA) Method 8081
  - DDT
  - Aldrin
  - Dieldrin
  - Beta BHC
  - Lindane (Gamma BHC)
- Volatile organic compounds via EPA Method 8260
  - Benzene
  - PCE
- Dissolved arsenic (field filtered) via EPA Method 6020/200.8
- TPH

- TPH-Dx via Northwest TPH – Diesel Extended Method (with and without silica gel cleanup)
- TPH-Gx via Northwest TPH – Gasoline Extended Method

Exhibit A
2022 Groundwater Sampling Program

Location ID	Type of Well	Deep/Shallow Well	Quarterly Performance Monitoring Parameters	Quarterly Confirmational Monitoring Parameters
YVS-1b	Sentry	Shallow	None	Arsenic, PCE, TPH-Gx, TPH-Dx
YVS-2	Sentry	Shallow	TPH-Dx	Arsenic, PCE, pesticides, benzene, TPH-Gx
YVS-3	Compliance	Shallow	None	TPH-Dx

2022 Groundwater Sampling Results

Four quarters of performance and confirmational groundwater monitoring were conducted in 2022, as specified in the *2021 Groundwater Monitoring Report* (Anchor QEA 2022). Groundwater sampling analytical results are presented in Table 2; historical data collected by prior consultants (prior to 2022) are included in Appendix B. PCE background concentration calculations are presented in Table 3. Table 4 summarizes the performance and confirmational monitoring performed in 2020, 2021, and 2022 and how the program is progressing in demonstrating compliance with groundwater cleanup levels. Laboratory data reports are included in Appendix C, and the data validation reports are included in Appendix D. Key findings for performance monitoring and confirmational monitoring are described in the following sections.

2022 Performance Monitoring

Following are the performance monitoring results for well YVS-2:

- Groundwater samples collected during the March, June, August, and November sampling events detected diesel-range concentrations without silica gel treatment ranging from 500 to 1,800 micrograms per liter (µg/L), respectively. The site-specific cleanup level was exceeded in all quarters except for the June 2022 event.

2022 Confirmational Monitoring

Four quarters of confirmational monitoring were conducted in 2022 for select IHS compounds, as outlined in Ecology's 2019 letter (Ecology 2019) and as discussed in the *2021 Groundwater Monitoring Report* (Anchor QEA 2022). The results of confirmational monitoring are as follows:

- Dissolved arsenic was detected above the laboratory detection limit but below the site-specific cleanup level in March 2022 at monitoring well YVS-1b. Per Ecology's 2019 letter, wells with eight consecutive quarters below the cleanup screening level met confirmational monitoring criteria and no additional monitoring is required. Monitoring well YVS-2 analytical results were below the cleanup screening level in March 2022, meeting confirmational monitoring criteria with eight consecutive quarters below the cleanup level. No additional monitoring for dissolved arsenic is required.
- Sampling for benzene was suspended prematurely for YVS-2 in 2021 based on 2020 reporting. Confirmational monitoring of benzene was continued for YVS-2 in 2022. Benzene concentrations exceeded the site-specific cleanup level in Q1, were detected above the reporting limit but below the cleanup level in Q2, and were non-detect for the remaining two quarters of 2022.
- The site-specific cleanup level for PCE is based on the calculated background concentration using the designated background wells. Using the data for the background wells, including data collected through 2021 (presented in Table 3), the site-specific cleanup level for PCE is 22.67 µg/L. PCE was not detected in March 2022 at YVS-1b or YVS-2 and met confirmational monitoring criteria with eight consecutive quarters below cleanup screening level. No additional monitoring is required.
- TPH-Gx was detected at YVS-1b above the laboratory detection limit but below the site-specific cleanup level in March 2022, meeting confirmational monitoring criteria with eight consecutive quarters below the cleanup level. No additional monitoring for TPH-Gx is required at YVS-1b. At YVS-2, the first two quarters of 2022 exceeded the site-specific cleanup level of 0.8 µg/L. For the remaining quarters, YVS-2 had no detections.
- TPH-Dx was not detected for the first two quarters at YVS-1b and the first three quarters at monitoring well YVS-3. Per Ecology's 2019 letter, wells with four consecutive quarters with no detections meet confirmational monitoring criteria and no additional monitoring is required.

Recommendations

Based on the results of the 2020, 2021, and 2022 quarterly monitoring, it has been demonstrated that confirmational cleanup levels are maintained in the designated compliance wells, meeting the tiered approach to reach site closure proposed in the Ecology 2019 letter. As proposed in the 2019 letter, no additional monitoring will occur for analytes once results are below the cleanup screening level for eight consecutive quarters or there are four consecutive quarters of no detections per the confirmational criteria. Adequate monitoring of sentry wells (YVS-1b and YVS-2) demonstrates that concentrations measured in the interior of the site attenuate and do not reach the compliance wells

at the downgradient property boundary. Therefore, with the completion of the 2022 groundwater monitoring program, the YVSSRG requests approval of a conditional point of compliance (e.g., the property boundary) and administrative closure of the Site, including approval to discontinue groundwater monitoring and to abandon all monitoring wells.

References

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RETEC, 2003b. *Focused Groundwater Sampling and Analysis Plan, Yakima Valley Spray (U-Haul) Site, Yakima, Washington*. Seattle, Washington. October 2003.

Attachments

Tables

Table 1	Groundwater Gauging Data
Table 2	2022 Groundwater Analytical Data
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Table 4	Performance and Confirmational Monitoring Status

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Figure 3	Potentiometric Surface Map Quarter 1: March 2022
Figure 4	Potentiometric Surface Map Quarter 2: June 2022
Figure 5	Potentiometric Surface Map Quarter 3: August 2022
Figure 6	Potentiometric Surface Map Quarter 4: November 2022

Appendices

Appendix A	Field Forms
Appendix B	Historical Groundwater Results
Appendix C	Laboratory Data Reports
Appendix D	Data Validation Reports

Tables

Table 1
Groundwater Gauging Data

Type of Well	Location	Deep/Shallow Well	Measuring Point Elevation (feet)	Q1 – March 2022		Q2 – June 2022		Q3 – August 2022		Q4 – November 2022	
				Depth to Water (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
Background	BG-60	Deep	1044.92	23.70	1021.22	21.43	1023.49	17.65	1027.27	18.99	1025.93
	BG-90	Deep	1044.74	24.61	1020.13	22.30	1022.44	19.13	1025.61	21.27	1023.47
	MW-12	Shallow	1043.13	19.42	1023.71	17.48	1025.65	13.97	1029.16	14.92	1028.21
	YS-3 [1]	Shallow	1048.74	NM	---	NM	---	NM	---	NM	---
Sentry	YVS-1b	Shallow	1040.94	18.55	1022.39	17.05	1023.89	12.81	1028.13	14.15	1026.79
	YVS-2	Shallow	1040.78	18.26	1022.52	16.41	1024.37	12.68	1028.1	13.25	1027.53
	MW-10 [1]	Shallow	1044.09	NM	---	NM	---	NM	---	NM	---
Compliance	YS-1	Shallow	1040.56	18.80	1021.76	17.40	1023.16	15.50	1025.06	15.54	1025.02
	MW-6 [2]	Shallow	1040.82	NM	---	NM	---	NM	---	NM	---
	YVS-3	Shallow	1041.01	16.86	1024.15	15.96	1025.05	13.97	1027.04	13.80	1027.21
	YVS-3-60	Deep	1041.26	21.71	1019.55	19.75	1021.51	16.24	1025.02	17.52	1023.74
	YVS-3-90	Deep	1041.26	25.35	1015.91	22.81	1018.45	20.20	1021.06	21.41	1019.85
Other	MW-5 [3]	Shallow	1042.1	NM	---	NM	---	NM	---	NM	---
	MW-8	Shallow	1041.35	16.26	1025.09	16.03	1025.32	13.16	1028.19	13.91	1027.44
	MW-9	Shallow	1040.07	17.94	1022.13	16.51	1023.56	15.11	1024.96	15.56	1024.51
	MW-11 [1]	Shallow	1045.88	NM	---	NM	---	NM	---	NM	---
	YS-2	Shallow	1040.33	15.52	1024.81	15.03	1025.3	14.10	1026.23	15.32	1025.01

Notes:
Vertical Datum: NGVD 29
1. Wells on Operable Unit 2 were previously gauged by GeoEngineers. They are no longer subject to required gauging.
2. MW-6 has been damaged, and the water level meter cannot be extended deeper than 8.1 feet below ground surface.
3. MW-5 has been abandoned.
NM : not measured

Table 2
2022 Groundwater Analytical Data

Chemical	Location ID Sample Date Sample Type Matrix Cleanup Level	YVS-1b 3/28/2022 N WG	YVS-1b 6/9/2022 N WG	YVS-2 3/28/2022 N WG	YVS-2 3/28/2022 FD WG	YVS-2 6/9/2022 N WG	YVS-2 6/9/2022 FD WG	YVS-2 8/30/2022 N WG	YVS-2 8/30/2022 FD WG
Metals, Dissolved (µg/L)									
Arsenic	5	**0.74**	--	**2.8**	**2.8**	--	--	--	--
Pesticides (µg/L)									
4,4'-DDT (p,p'-DDT)	0.3	--	--	0.11 U	0.094 U	--	--	--	--
Aldrin		--	--	0.053 U	0.047 U	--	--	--	--
Dieldrin		--	--	0.11 U	0.094 U	--	--	--	--
Hexachlorocyclohexane (BHC), beta-		--	--	0.053 U	0.047 U	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)		--	--	0.053 U	0.047 U	--	--	--	--
Total Petroleum Hydrocarbons (µg/L)									
Diesel range hydrocarbons	500	400 U	400 UJ	**670 J**	**730**	**500 J**	**760**	**1800 J**	**1600 J**
Diesel range hydrocarbons – silica gel treated		400 UJ	--	400 UJ	400 UJ	400 UJ	400 U	420 UJ	400 UJ
Gas Range Organics (C6-C12)	800	100 U	--	**1110**	**1180**	**2240 J**	**1940**	100 U	100 U
Oil range organics		400 U	400 UJ	400 UJ	400 U	400 UJ	400 U	**740 J**	**720 J**
Oil range organics – silica gel treated		400 UJ	--	400 UJ	400 UJ	400 UJ	400 U	420 UJ	400 UJ
Volatile Organics (µg/L)									
Benzene	5	--	--	**8.9 J**	**7.8**	**4.6 J**	**4.5**	1.0 U	1.0 U
Tetrachloroethene (PCE)	23.9	1.0 U	--	1.0 U	1.0 U	--	--	--	--

Table 2
2022 Groundwater Analytical Data

Chemical	Location ID Sample Date Sample Type Matrix Cleanup Level	YVS-2 11/7/2022 N WG	YVS-2 11/7/2022 FD WG	YVS-3 3/28/2022 N WG	YVS-3 6/9/2022 N WG	YVS-3 8/30/2022 N WG
Metals, Dissolved (µg/L)						
Arsenic	5	--	--	--	--	--
Pesticides (µg/L)						
4,4'-DDT (p,p'-DDT)	0.3	--	--	--	--	--
Aldrin		--	--	--	--	--
Dieldrin		--	--	--	--	--
Hexachlorocyclohexane (BHC), beta-		--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)		--	--	--	--	--
Total Petroleum Hydrocarbons (µg/L)						
Diesel range hydrocarbons	500	**1200**	**1200**	400 U	400 UJ	400 U
Diesel range hydrocarbons – silica gel treated		**560 J**	**470**	400 U	--	400 U
Gas Range Organics (C6-C12)	800	100 U	100 U	--	--	--
Oil range organics		**520**	**550**	400 U	400 UJ	400 U
Oil range organics – silica gel treated		400 U	400 U	400 U	--	400 U
Volatile Organics (µg/L)						
Benzene	5	1.0 U	1.0 U	--	--	--
Tetrachloroethene (PCE)	23.9	--	--	--	--	--

Table 2
2022 Groundwater Analytical Data

Notes:
detected concentration is greater than YakimaValleySpray_Cleanup screening level
Bold: detected result
µg/L: microgram per liter
J: estimated value
PCE: perchloroethylene
U: compound analyzed for, but not detected above detection limit
UJ: compound analyzed for, but not detected above estimated detection limit

Table 3
PCE Background Concentration Calculations

Location ID	Sample ID	Sample Date	PCE Concentration (µg/L)
BG-60	BG-60-0904	9/1/2004	**29.8**
BG-60	BG-60-1204	12/7/2004	**26.1**
BG-60	BG-60-0305	3/24/2005	**22.7**
BG-60	BG-60-0605	6/15/2005	**24.4**
BG-60	BG-60-0905	9/27/2005	**20.1**
BG-60	BG-60-1205	12/12/2005	*12.5*
BG-60	BG-60-0306	3/15/2006	**20**
BG-60	BG-60-0606	6/15/2006	**20.7**
BG-60	BG-60-0906	9/13/2006	**21.3**
BG-60	BG-60-1206	12/29/2006	**21**
BG-60	BG-60-0507	5/11/2007	**19.7**
BG-60	BG-60-0408	4/10/2008	**18.8**
BG-60	BG-60-0608	6/9/2008	**17.7**
BG-60	BG-60-0908	9/16/2008	**23.3**
BG-60	BG-60-0109	1/7/2009	**24.5**
BG-60	BG-60-0309	3/18/2009	**20.3**
BG-60	BG-60-0609	6/16/2009	**9.5**
BG-60	BG-60-0909	9/9/2009	**15**
BG-60	BG-60-1209	12/1/2009	**22.6**
BG-60	BG-60-0310	3/1/2010	**13.1**
BG-60	BG-60-0610	6/1/2010	**17.2**
BG-60	BG-60-0910	9/1/2010	**17.9**
BG-60	BG-60-0313	3/20/2013	**19**
BG-60	BG-60-0913	9/10/2013	**16.4**
BG-60	BG-60-0314	3/26/2014	**17.8**
BG-60	BG-60-0914	9/16/2014	**21.4**
BG-60	BG-60-0315	3/24/2015	**19.5**
BG-60	BG-60-1015	10/27/2015	**19**
BG-60	BG-60-0316	3/22/2016	**16.1**
BG-60	BG-60-0917	9/26/2017	**16.7**
BG-60	BG-60-0318	3/27/2018	**15.8**
BG-60	BG-60-0120	1/8/2020	**14.1**
BG-60	BG-60-0420	4/7/2020	**11.1**
BG-60	BG-60-0720	7/28/2020	**14.6**
BG-60	BG-60-1020	10/13/2020	**13.9**
BG-60	BG-60-0321	3/16/2021	**14**
BG-60	BG-60-0621	6/15/2021	**11.8**
BG-60	BG-60-0821	9/28/2021	**12.8**
BG-60	BG-60-1021	11/22/2021	**12.3**
BG-90	BG-90-0904	9/1/2004	*0.5*
BG-90	BG-90-1204	12/7/2004	*2.5*
BG-90	BG-90-0305	3/24/2005	*2.5*
BG-90	BG-90-0605	6/15/2005	*2.5*
BG-90	BG-90-0905	9/27/2005	*2.5*
BG-90	BG-90-1205	12/12/2005	*12.5*
BG-90	BG-90-0306	3/15/2006	*0.5*
BG-90	BG-90-0606	6/15/2006	**0.83**
BG-90	BG-90-0906	9/13/2006	**0.81**
BG-90	BG-90-1206	12/29/2006	**0.95**
BG-90	BG-90-0507	5/11/2007	*2.5*
BG-90	BG-90-0408	4/10/2008	**1.37**
BG-90	BG-90-0608	6/9/2008	**1.17**
BG-90	BG-90-0908	9/16/2008	**1.41**
BG-90	BG-90-0109	1/7/2009	**1.46**
BG-90	BG-90-0309	3/18/2009	**1.41**
BG-90	BG-90-0609	6/16/2009	*0.5*
BG-90	BG-90-0909	9/9/2009	**1.2**
BG-90	BG-90-1209	12/1/2009	**2**
BG-90	BG-90-0310	3/1/2010	**2.1**
BG-90	BG-90-0610	6/1/2010	**1.8**
BG-90	BG-90-0910	9/1/2010	**1.8**
BG-90	BG-90-0313	3/20/2013	**3.5**
BG-90	BG-90-0913	9/10/2013	**2.8**
BG-90	BG-90-0314	3/26/2014	**3.5**
BG-90	BG-90-0914	9/16/2014	**3.6**
BG-90	BG-90-0315	3/24/2015	**3.8**
BG-90	BG-90-1015	10/27/2015	**3.8**
BG-90	BG-90-0316	3/22/2016	**3.6**
BG-90	BG-90-0917	9/26/2017	**4.45**
BG-90	BG-90-0318	3/27/2018	**5.0**
BG-90	BG-90-0120	1/8/2020	**3.7**
BG-90	BG-90-0420	4/7/2020	**3.55**
BG-90	BG-90-0720	7/28/2020	**4.9**
BG-90	BG-90-1020	10/13/2020	**4.58**
BG-90	BG-90-0321	3/16/2021	**4.18**
BG-90	BG-90-0621	6/15/2021	**3.7**
BG-90	BG-90-0821	9/28/2021	**3.55**
BG-90	BG-90-1021	11/22/2021	**3.6**

Location ID	Sample ID	Sample Date	PCE Concentration (µg/L)
MW-12	MW-12-0904	9/1/2004	**23**
MW-12	MW-12-1204	12/8/2004	**13.7**
MW-12	MW-12-0305	3/24/2005	**6.76**
MW-12	MW-12-0605	6/16/2005	**17.8**
MW-12	MW-12-0905	9/27/2005	**25.2**
MW-12	MW12-1205	12/13/2005	*12.5*
MW-12	MW-12-0306	3/14/2006	**6.22**
MW-12	MW-12-0606	6/14/2006	**11.9**
MW-12	MW-12-0906	9/12/2006	**15.2**
MW-12	MW-12-1206	12/29/2006	**9.06**
MW-12	MW-12-0507	5/10/2007	**5.66**
MW-12	MW-12-0408	4/10/2008	**10.5**
MW-12	MW-12-0608	6/9/2008	**8.72**
MW-12	MW-12-0908	9/15/2008	**26.4**
MW-12	MW-12-0109	1/6/2009	**7.69**
MW-12	MW-12-0309	3/17/2009	**7.25**
MW-12	MW-12-0609	6/16/2009	**3.8**
MW-12	MW-12-0909	9/9/2009	**20**
MW-12	MW-12-1209	12/1/2009	**7.5**
MW-12	MW-12-0310	3/1/2010	**5.7**
MW-12	MW-12-0610	6/1/2010	**6.3**
MW-12	MW-12-0910	9/1/2010	**23.2**
MW-12	MW-12-0313	3/20/2013	**6.9**
MW-12	MW-12-0913	9/10/2013	**17.9**
MW-12	MW-12-0314	3/26/2014	**4**
MW-12	MW-12-0914	9/16/2014	**36.9**
MW-12	MW-12-0315	3/24/2015	**3.1**
MW-12	MW-12-1015	10/27/2015	**19.4**
MW-12	MW-12-0316	3/22/2016	**4.3**
MW-12	MW-12-0917	9/26/2017	**15.3**
MW-12	MW-12-0318	3/27/2018	**3.8**
MW-12	MW-12-0120	1/8/2020	**8.1**
MW-12	MW-12-0420	4/8/2020	**3.2**
MW-12	MW-12-0720	7/28/2020	**6.1**
MW-12	MW-12-1020	10/13/2020	**19.1**
MW-12	MW-12-0321	3/16/2021	**4.09**
MW-12	MW-12-0621	6/15/2021	**3**
MW-12	MW-12-0821	9/28/2021	**15**
MW-12	MW-12-1021	11/22/2021	**6**
YS-3	YS-3-1103	11/19/2003	**15.4**
YS-3	YS-3-0904	9/1/2004	**26.8**
YS-3	YS-3-1204	12/8/2004	**14.4**
YS-3	YS-3-0305	3/24/2005	**6.65**
YS-3	YS-3-0605	6/16/2005	**12.4**
YS-3	YS-3-0905	9/28/2005	**25.7**
YS-3	YS-3-1205	12/13/2005	**12.7**
YS-3	YS-3-0306	3/14/2006	**7.38**
YS-3	YS-3-0606	6/15/2006	**8.44**
YS-3	YS-3-0906	9/13/2006	**21.7**
YS-3	YS-3-1206	12/28/2006	**14.0**
YS-3	YS-3-0507	5/10/2007	**6.6**
YS-3	YS-3-0907	9/5/2007	**12.7**
YS-3	YS-3-1207	12/17/2007	**16**
YS-3	YS-3-0308	3/11/2008	**6.7**
YS-3	YS-3-0608	6/9/2008	**6.33**
YS-3	YS-3-0908	9/15/2008	**27.3**
YS-3	YVS-3-0321	3/16/2021	**1.14**
YS-3	YVS-3-0621	6/15/2021	*1*
YS-3	YVS-3-0821	9/28/2021	**1.35**
YS-3	YVS-3-1021	11/22/2021	**1.6**

Notes:
1. BG-60 sample and field duplicate results from 7/28/2020 and 10/13/2020 were averaged.
2. BG-90 sample and field duplicate results from 4/7/2020 were averaged.
3. MW-12 sample and field duplicate results from 1/8/2020 were averaged.
4. Non-bold and italicized values are non-detects, and represent one-half the detection limit.
5. February 2020 PCE Statistical Calculations using one-half the detection limits for non-detects.

Shapiro-Wilks W Test	W value	Probability
Normal	0.916	0.00
Log-Normal	0.917	0.00
Data Distribution	Non-parametric	

90th Percentile	22.7	µg/L
PCE Background Cleanup Level	22.67	µg/L

µg/L: micrograms per liter

Table 4
Performance and Confirmational Monitoring Status

Location	Analyte	2020				2021				2022				Status of Monitoring
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
BG-60	PCE	**C**	**C**	**C**	**C**	**C**	**C**	**C**	**C**					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Benzene	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Arsenic	**C**	C	C	C	**C**	**C**	**C**	**C**					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Pesticides	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Gx	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Dx	P	P	P	P	C	C	C	C					Met criteria for Performance monitoring in 2020 (2 consecutive sampling events below cleanup screening level), moved to compliance monitoring for 2021. Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Fecal coliform	C	C	C	C									
	N-ammonia	C	C	C	C									
	Nitrate + Nitrate as Nitrogen	**C**	**C**	**C**	**C**									
	Total dissolved solids	**C**	**C**	**C**	**C**									
BG-90	PCE	**C**	**C**	**C**	**C**	**C**	**C**	**C**	**C**					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Benzene	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Arsenic	**C**	**C**	**C**	**C**	**C**	**C**	**C**	**C**					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Pesticides	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Gx	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Dx	P	P	P	P	C	C	C	C					Met criteria for Performance monitoring in 2020 (2 consecutive sampling events below cleanup screening level), moved to compliance monitoring for 2021. Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Fecal coliform	C	C	C	C									
	N-ammonia	C	C	C	C									
	Nitrate + Nitrate as Nitrogen	**C**	**C**	**C**	**C**									
	Total dissolved solids	**C**	**C**	**C**	**C**									
MW-12	PCE	**C**	**C**	**C**	**C**	**C**	**C**	**C**	**C**					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Benzene	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Arsenic	**C**	**C**	**C**	**C**	**C**	**C**	**C**	**C**					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Pesticides	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Gx	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Dx	P	P	P	P	C	C	C	C					Met criteria for Performance monitoring in 2020 (2 consecutive sampling events below cleanup screening level), moved to compliance monitoring for 2021. Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Fecal coliform	C	C	C	C									
	N-ammonia	C	C	C	C									
	Nitrate + Nitrate as Nitrogen	**C**	**C**	**C**	**C**									
	Total dissolved solids	**C**	**C**	**C**	**C**									

Table 4
Performance and Confirmational Monitoring Status

Location	Analyte	2020				2021				2022				Status of Monitoring
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
YVS-1b	PCE	NA	C	C	**C**	C	C	**C**	**C**	C				Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Benzene	NA	C	C	C									Considered in compliance in 2020 report due to non-detects, removal from sampling approved by EPA
	Arsenic	NA	**C**	C	**C**	**C**	**C**	**C**	C	C				Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Pesticides	NA	C	C	C									Considered in compliance in 2020 report due to non-detects, removal from sampling approved by EPA.
	TPH-Gx	NA	**C**	**C**	C	**C**	C	C	**C**	C				Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	TPH-Dx	NA	P	**P**	**P**	**C**	**C**	C	C	C	C			Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Fecal coliform	NA	C	C	C									
	N-ammonia	NA	**C**	**C**	C									
	Nitrate + Nitrate as Nitrogen	NA	C	**C**	**C**									
	Total dissolved solids	NA	**C**	**C**	**C**									
YVS-2	PCE	NA	C	**C**	**C**	C	C	**C**	**C**	C				Additional consecutive sampling event below cleanup screening level required to reach confirmational monitoring criteria.
	Benzene	NA	**C**	**C**	C					**C**	**C**	C	C	Sampling for Benzene in YVS-2 was suspended prematurely, confirmation monitoring for Benzene continued for YVS-2 in 2022.
	Arsenic	NA	**C**	**C**	**C**	**C**	**C**	**C**	**C**	C				Additional consecutive sampling event below cleanup screening level required to reach confirmational monitoring criteria.
	Pesticides	NA	C	C	**C**	C	C	C	**C**	C				Additional consecutive sampling event below cleanup screening level required to reach confirmational monitoring criteria.
	TPH-Gx	NA	**C**	**C**	C	**C**	**C**	C	C	**C**	**C**	C	C	TPH-Gx exceeded Cleanup screening level in Q1 and Q2 of 2022 monitoring.
	TPH-Dx	NA	P	**P**	**P**	NA	**P**	**P**	**P**	**P**	**P**	**P**	**P**	TPH-Dx exceeded Cleanup screening level in Q1, Q3, and Q4 of 2022.
	Fecal coliform	NA	C	C	C									
	N-ammonia	NA	**C**	**C**	**C**									
	Nitrate + Nitrate as Nitrogen	NA	C	**C**	**C**									
	Total dissolved solids	NA	**C**	**C**	**C**									
YS-1	PCE	C	NA	C	C									Considered in compliance in 2020 report due to non-detects, removal from sampling approved by EPA.
	Benzene	C	NA	C	C									Considered in compliance in 2020 report due to non-detects, removal from sampling approved by EPA.
	Arsenic	**C**	NA	**C**	**C**	**C**	**C**	**C**	C					Considered to meet confirmational monitoring criteria (8 quarters below Cleanup Screening level)
	Pesticides	C	NA	C	C									Considered in compliance in 2020 report due to non-detects, removal from sampling approved by EPA
	TPH-Gx	C	NA	C	C									Considered in compliance in 2020 report due to non-detects, removal from sampling approved by EPA
	TPH-Dx	P	NA	P	P	C	C	C	C					Met criteria for Performance monitoring in 2020 (2 consecutive sampling events below screening level), moved to compliance monitoring for 2021. Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Fecal coliform	C	NA	C	C									
	N-ammonia	**C**	NA	C	C									
	Nitrate + Nitrate as Nitrogen	C	NA	**C**	**C**									
	Total dissolved solids	**C**	NA	**C**	**C**									

Table 4
Performance and Confirmational Monitoring Status

Location	Analyte	2020				2021				2022				Status of Monitoring
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
MW-6	PCE	C	C	**C**	**C**	**C**	C	**C**	C					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Benzene	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Arsenic	C	**C**	C	C	C	C	C	C					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Pesticides	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Gx	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Dx	P	P	P	P	C	C	C	C					Met criteria for Performance monitoring in 2020 (2 consecutive sampling events below screening level), moved to compliance monitoring for 2021. Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Fecal coliform	C	C	C	C									
	N-ammonia	C	C	C	C									
	Nitrate + Nitrate as Nitrogen	**C**	**C**	**C**	**C**									
	Total dissolved solids	**C**	**C**	**C**	**C**									
YVS-3	PCE	**C**	C	C	**C**	**C**	C	**C**	**C**					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Benzene	C	C	C	C	C	C	C	C					Met confirmational monitoring criteria (8 consecutive quarters non-detect)
	Arsenic	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Pesticides	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Gx	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Dx	P	P	P	**P**	C	C	**C**	C	C	C	C		Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Fecal coliform	C	C	C	C									
	N-ammonia	C	C	C	C									
	Nitrate + Nitrate as Nitrogen	**C**	**C**	**C**	**C**									
	Total dissolved solids	**C**	**C**	**C**	**C**									
YVS-3-60	PCE	**C**	**C**	**C**	**C**	**C**	**C**	**C**	**C**					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Benzene	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Arsenic	**C**	**C**	**C**	**C**	**C**	**C**	**C**	**C**					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Pesticides	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Gx	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Dx	P	P	P	P	C	C	C	C					Met criteria for Performance monitoring in 2020 (2 consecutive sampling events below screening level), moved to compliance monitoring for 2021. Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Fecal coliform	C	C	C	C									
	N-ammonia	C	C	C	C									
	Nitrate + Nitrate as Nitrogen	**C**	**C**	**C**	**C**									
	Total dissolved solids	**C**	**C**	C	**C**									

Table 4
Performance and Confirmational Monitoring Status

Location	Analyte	2020				2021				2022				Status of Monitoring
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
YVS-3-90	PCE	**C**	**C**	**C**	**C**	**C**	C	**C**	**C**					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Benzene	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Arsenic	**C**	**C**	**C**	**C**	**C**	**C**	**C**	**C**					Met confirmational monitoring criteria (8 consecutive quarters below Cleanup Screening level)
	Pesticides	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Gx	C	C	C	C									Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	TPH-Dx	P	P	P	P	C	C	C	C					Met criteria for Performance monitoring in 2020 (2 consecutive sampling events below screening level), moved to compliance monitoring for 2021. Met confirmational monitoring criteria (4 consecutive quarters non-detect)
	Fecal coliform	C	C	C	C									
	N-ammonia	C	C	C	C									
	Nitrate + Nitrate as Nitrogen	**C**	**C**	**C**	**C**									
	Total dissolved solids	**C**	**C**	C	**C**									

Notes:

C	Completed Confirmational Monitoring Sampling Event
P	Completed Performance Monitoring Sampling Event
Bold	Analyte Detected Above Method Reporting Limit
	Analyte Detected at a concentration exceeding cleanup screening level
	Wastewater Parameters, removed from 2021 monitoring due to 2020 monitoring results
TPH-Dx	Total Petroleum Hydrocarbons – Diesel Range Organics (without silica gel)
TPH-Gx	Total Petroleum Hydrocarbons – Gasoline Range Organics
NA	Not analyzed

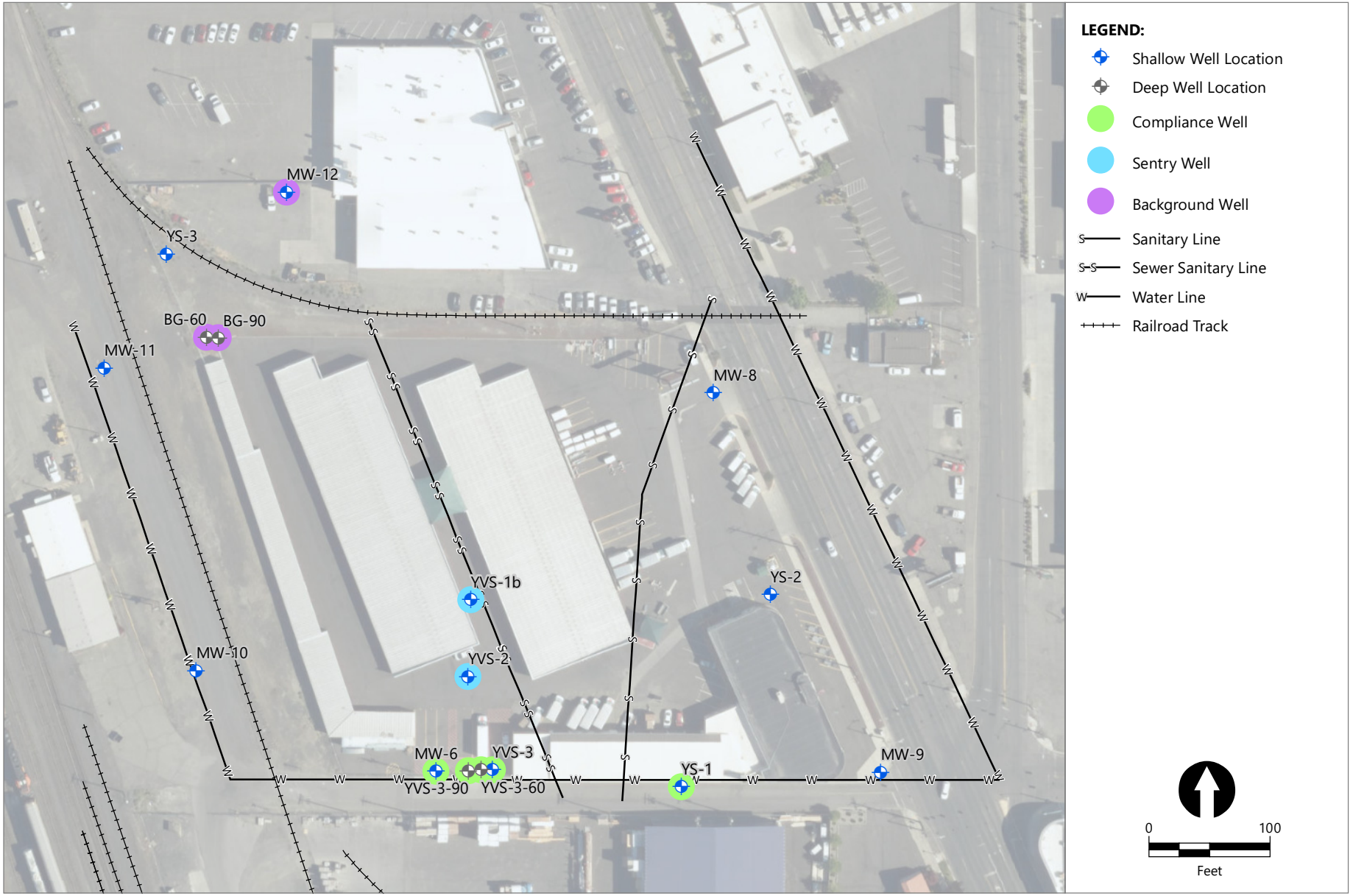
Q1 of 2020: YVS-1b and YVS-2 not sampled due to pump malfunction
Q2 of 2020: YVS-1 not sampled due to well being dry
Q1 of 2021: YVS-2 not sampled due to chain of custody error

Figures

Publish Date: 2023/03/01, 2:32 PM | User: cgardner
Filepath: Q:\Jobs\YakimaValleySpraySite_2024\Maps\2022_GW_PotentiometricMaps\AQ_Fig01_SiteLocation.mxd

ANCHOR QEA

Figure 1
Site Location
2022 Groundwater Monitoring Report and Request for Closure
Yakima Valley Spray/U-Haul Site Facility



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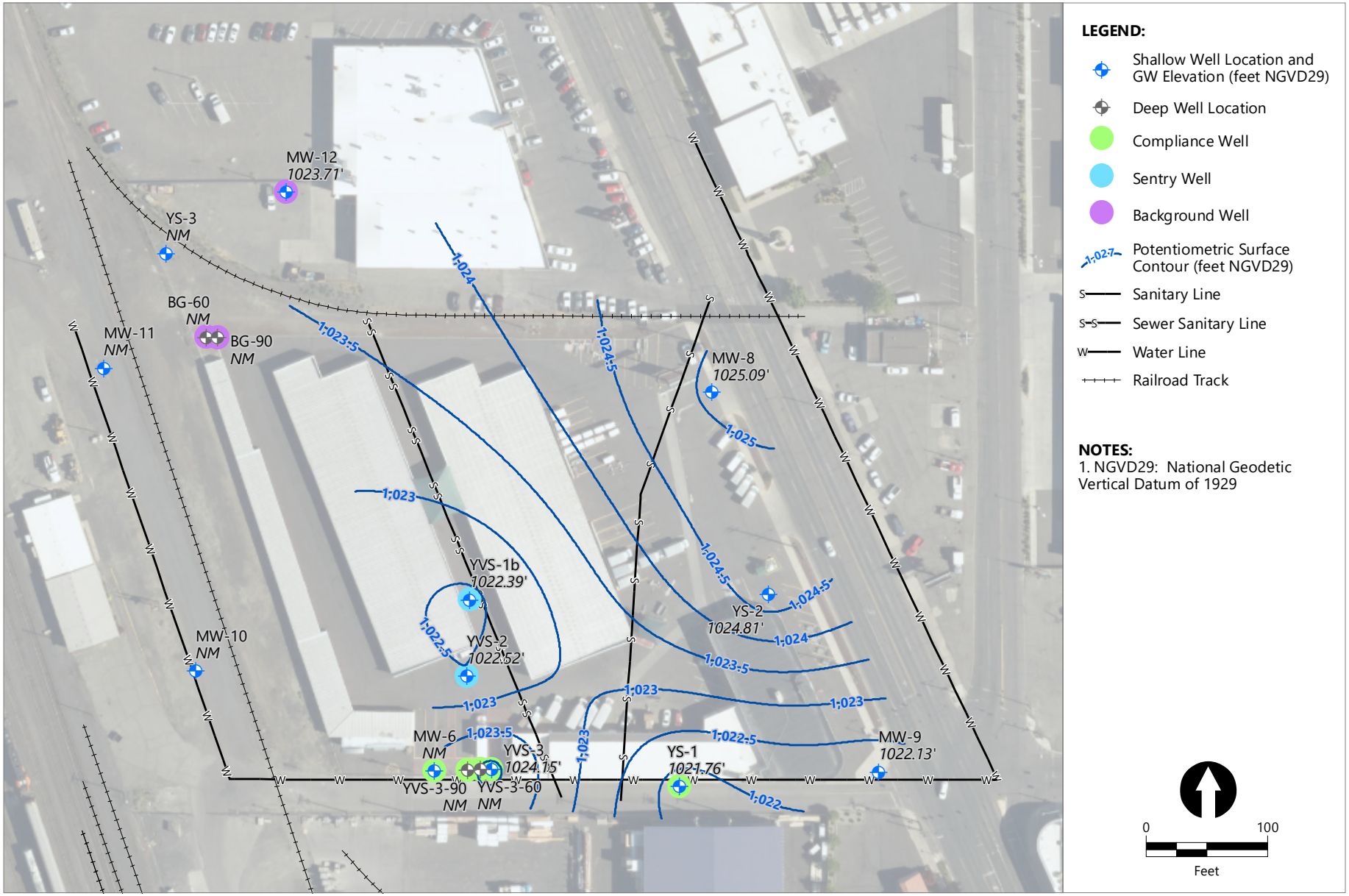
ANCHOR QEA

Figure 2
Groundwater Monitoring Network
2022 Groundwater Monitoring Report and Request for Closure
Yakima Valley Spray/U-Haul Site Facility



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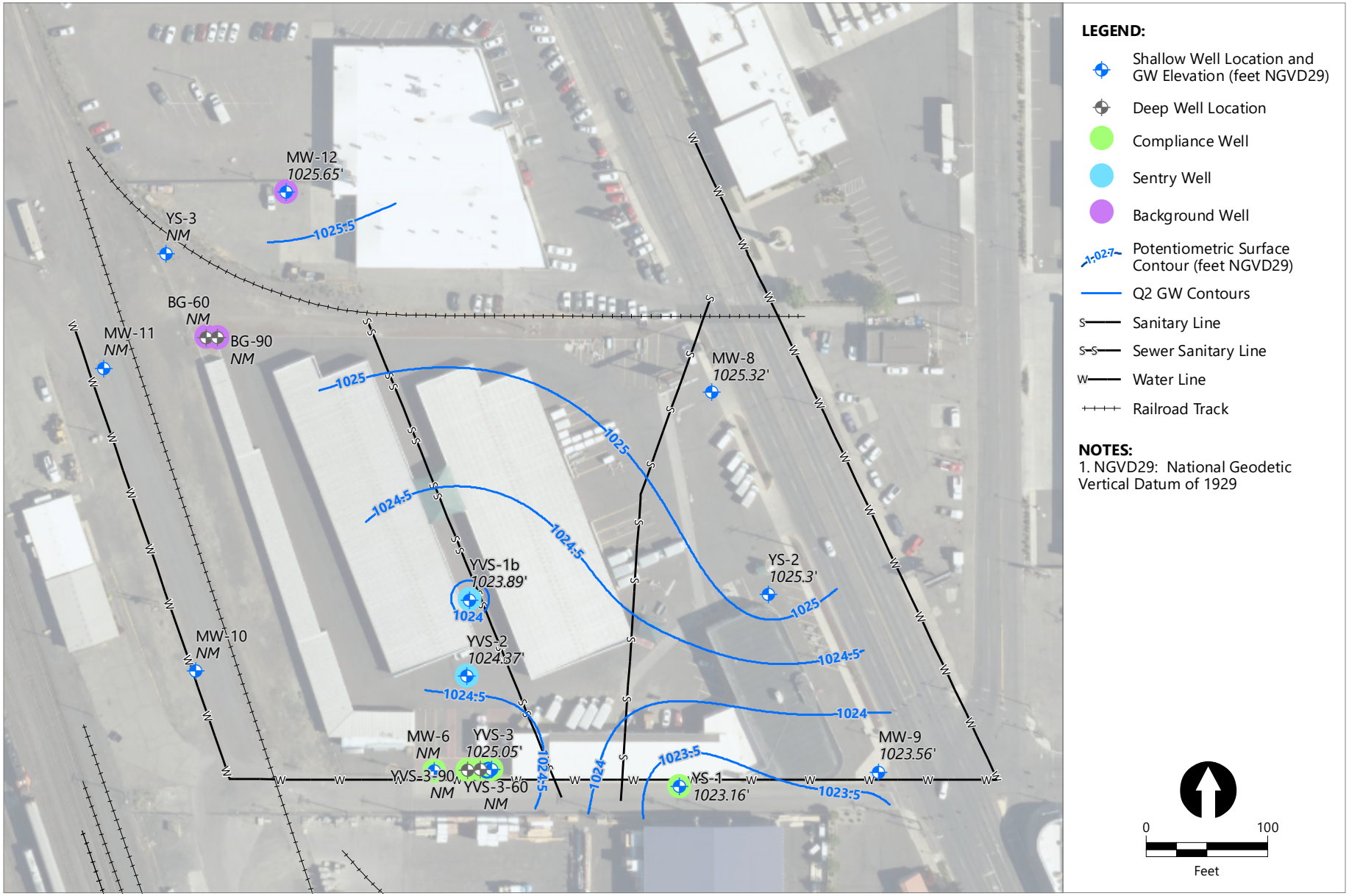
ANCHOR QEA

Figure 3
Potentiometric Surface Map Quarter 1: March 2022
2022 Groundwater Monitoring Report and Request for Closure
Yakima Valley Spray/U-Haul Site Facility



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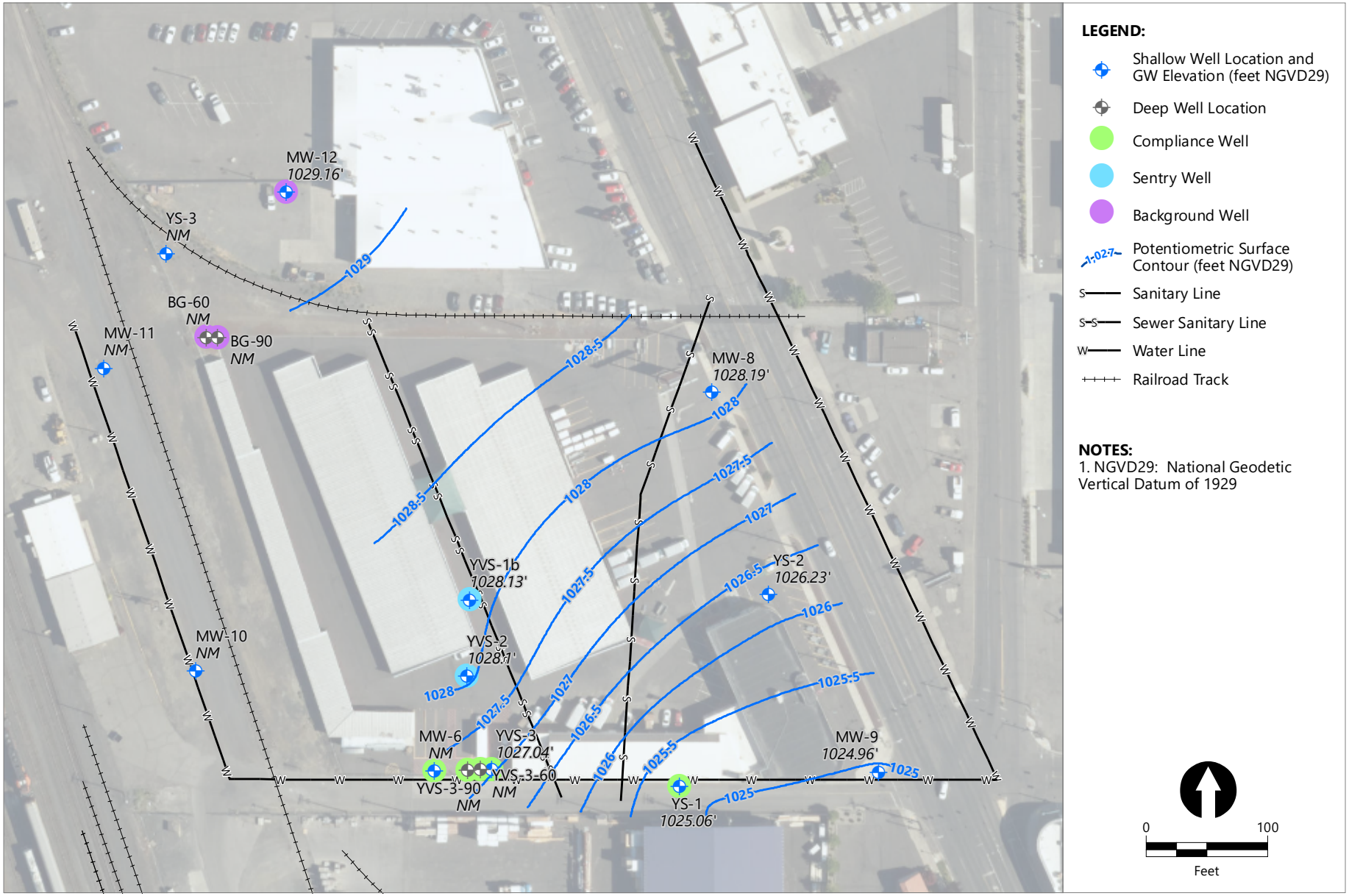
ANCHOR QEA

Figure 4
Potentiometric Surface Map Quarter 2: June 2022
2022 Groundwater Monitoring Report and Request for Closure
Yakima Valley Spray/U-Haul Site Facility



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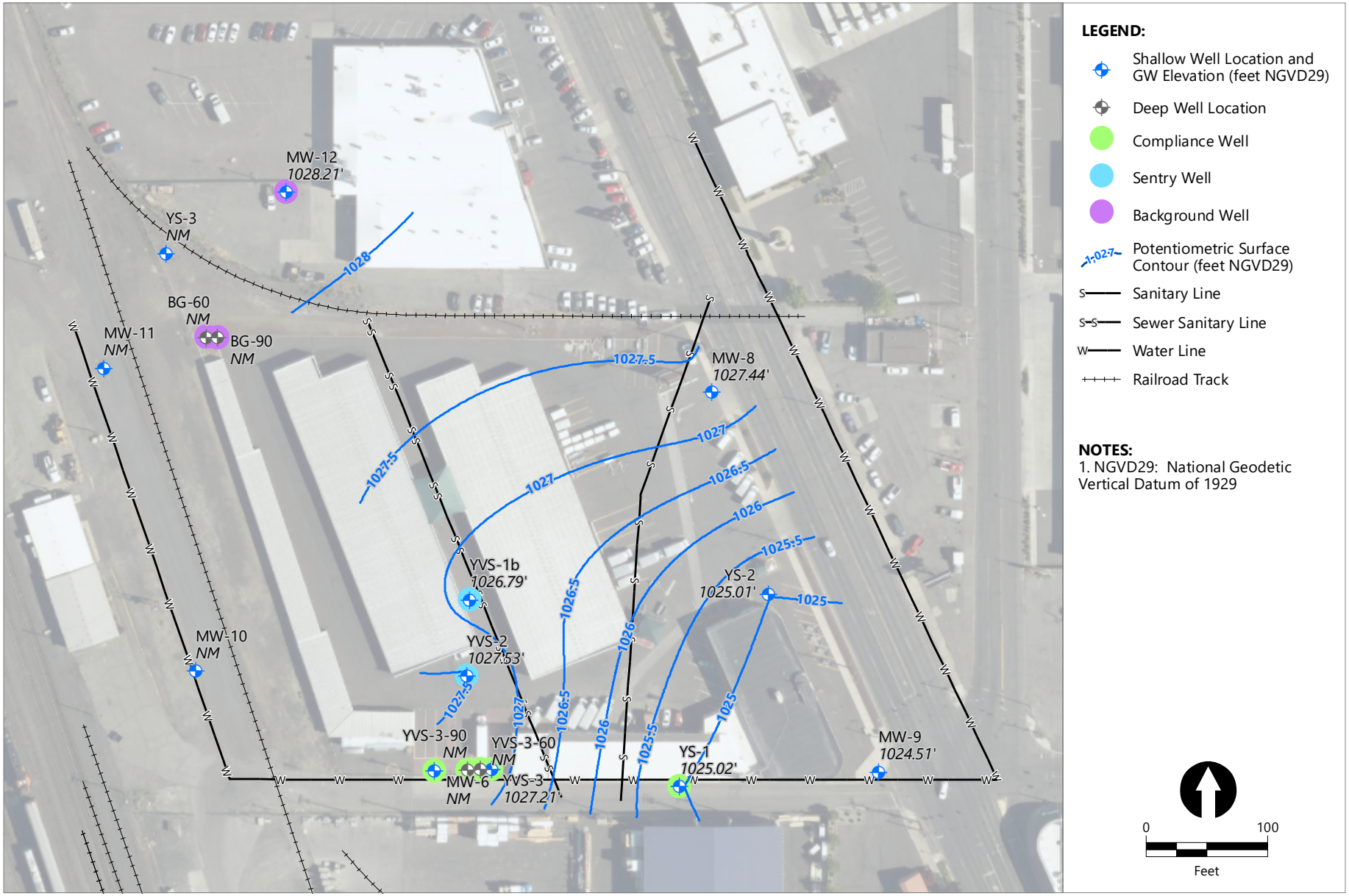
ANCHOR QEA

Figure 5
Potentiometric Surface Map Quarter 3: August 2022
2022 Groundwater Monitoring Report and Request for Closure
Yakima Valley Spray/U-Haul Site Facility



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ANCHOR QEA

Figure 6
Potentiometric Surface Map Quarter 4: November 2022
2022 Groundwater Monitoring Report and Request for Closure
Yakima Valley Spray/U-Haul Site Facility

Appendix A
Field Forms

Quarter 1

Daily Log

ANCHOR QEA

PROJECT NAME: YAKIMA VALLEY SPRAY SITE DATE: 03-28-22

SITE ADDRESS: YAKIMA, WA PERSONNEL: S. STREITZ

WEATHER: WIND FROM: N | NE | E | SE | S | SW | W | NW | ?

SUNNY | CLOUDY | RAIN

LIGHT | MEDIUM | HEAVY

TEMPERATURE: °F . °C [Circle appropriate units]

TIME	COMMENTS
0700	ON SITE / H+S REVIEW
	SITE (V-HALL) CHECK IN W/ MANAGER
0730	BEGAN GW SAMPLES (SEE FORMS)
	GW GAUGING (SEE FORMS)
1330	LEFT SITE, PACKED SAMPLES
1430	SAMPLES AT FED EX
	SBS 3-28-22

Signature: Stephanie Streitz

Daily Safety Briefing Form

ANCHOR QEA

Date: 03-28-2022
Project No: 192024-01.01
Project Name: U-Haul/Yakima Spray Valley Site

Person Conducting Meeting: STEVE STRETH
Health & Safety Officer: Timothy Shaner
Project Manager: Halah Voges

TOPICS COVERED:

- ☑ Emergency Procedures and Evacuation Route
- ☑ Directions to Hospital
- ☑ HASP Review and Location
- ☑ Safety Equipment Location
- ☑ Proper Safety Equipment Use
- ☑ Employee Right-to-Know/ SDS Location
- ☑ Fire Extinguisher Location
- ☑ Eye Wash Station Location
- ☐ Buddy System
- ☑ Self and Coworker Monitoring
- ☑ Lines of Authority
- ☑ Communication
- ☑ Site Security
- ☐ Vessel Safety Protocols
- ☑ Work Zones
- ☑ Vehicle Safety and Driving/ Road Conditions
- ☑ Equipment Safety and Operation
- ☑ Proper Use of PPE
- ☑ Decontamination Procedures
- ☐ Near Miss Reporting Procedures
- ☑ Lifting Techniques
- ☑ Slips, Trips, and Falls
- ☑ Hazard Exposure Routes
- ☑ Heat and Cold Stress
- ☑ Overhead and Underfoot Hazards
- ☑ Chemical Hazards
- ☑ Flammable Hazards
- ☑ Biological Hazards
- ☑ Eating/Drinking/Smoking
- ☑ Reviewed Prior Lessons Learned
- ☐ Field Team Medical Conditions for Emergency Purposes (Confidential): _____
- ☐ Other: _____

Weather Conditions: OVERCAST, 60F

Daily Work Scope: GW MONITORING

Site-specific Hazards: COLDS / TRAFFIC

Safety Comments:

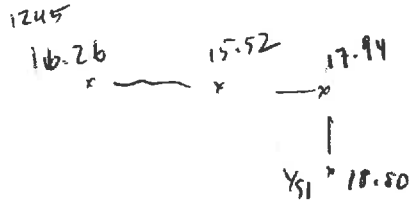
Attendees		End of Day Wellness Check Initials
Printed Name	Signature	
S. STRETH	SBS	SBS

PLAYING IT SAFE

Yakima Groundwater Gauging Log

Date: 03-28-2022			Project Number: 192024-01.01	
Personel On the Site			Weather	
Name		Affiliation	Conditions: OVERCAST	
S. STREHL		AQ	Temperature: 60F Precipitation: LIGHT SPRINKLE (BRIEF) Other:	
Well Number	**Time**	**Depth to Water (ft)**	**Total well Depth (ft)**	**Comments**
BG-60	1242	23.70	—	NOT SAMPLED
BG-90	1240	24.61	—	"
MW-12	1250	19.42	—	"
YVS-1B	0845	18.55	—	SAMPLED
YVS-2	1000	18.26	—	SAMPLED
YS-1	0830	18.80	—	NOT SAMPLED
YS-2	0825	15.52	—	not sampled
MW-8	1245	16.26	—	not sampled
MW-6	NA	WELL BROKEN	—	"
YVS-3	0750	16.86	—	SAMPLED
YVS-3-60	0810	21.71	—	NOT SAMPLED
YVS-3-90	0810	25.35	—	"
MW-9	0825	17.94	—	not sampled

Additional Comments:



Yakima Groundwater Sampling and Analytical Plan

Project Number: 192024-01.01 T2						
Yakima Valley Spray Site		Yakima, Washington				
Sampler:	SS					
Company:	AQ					
Well Number	**Sample ID**	**Duplicate**	**MS/MSD**	**Time**	**Date**	**Comments**
YVS-1B	YVS-1B - 20220328	NA	NA	0940	3-28-22	
YVS-2	YVS-2 - 20220328	YVS-201 @1115	YES	1110	3-28-22	MS/MSD
YVS-3	YVS-3-20220328	NA	NA	0830	3-28-22	2 OX
TB	TB-20220328	NA	NA	0700	3-28-22	8 BOTTLES
Sampling Information						
Analysis	**Method**	**Container**	**No. of Bottles**	**Preservative**	**Lab**	**Comments**
PCE/Benzene	8260b	40 ml VOA Vial	3	HCL	Pace	
TPH Gas	NWTPH-Gx	40 ml VOA Vial	3	HCL	Pace	
TPH Dx + SG/ wo SG	NWTPH-Dx	250 mL AG	2	HCL	Pace	w/wo silica
Pesticides*	EPA 8081	1 L AG	2	Unpreserved	Pace	
Total Arsenic	200.8 ICPMS	250 mL HDPE	1	HNO3	Pace	Field Filtered
*Pesticide list: DDT, Aldrin, Dieldrin, Beta BHC, Lindane (Gamma BHC)						

ANCHOR QEA

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Fax 206.287.9131
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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: YVS-1B	**Date:** 3-28-22	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01	
Method: ~~Dedicated Well Pump with MP-15 QED Controller via Low Flow~~ or Peristaltic Pump via Low Flow		
Initial Depth to Water: 18.55	Total Depth to Well: —	
Weather Observations: OVERCAST, 60°F		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0915	18.65	150	3,750	—	CONNECT		YSI	—	CLEAR, NO ODORS
0920	18.65	150	4500	16.5	6.06	1.923	15.4	20.7	" "
0925	18.65	150	5250	16.5	6.09	1.949	9.8	20.1	" "
0930	18.65	150	6000	16.5	6.10	1.951	9.4	19.9	" "
0935	18.65	150	6750	16.5	6.10	1.952	9.2	19.8	" "
0940	BYPASS YSI / SAMPLES								

Notes: 0850 BEGIN PURGE @ 150 mL/MIN, STRONG HYDROCARBON-LIKE ODOR, THICK ORANGE TURBID WATER @ INITIAL PURGE, CLEARED QUICKLY.

Controller/~~Pump~~ Setting: 50%

Total Volume Purged:

Sample ID: YVS-1B-20220328 @0940

Duplicate ID: X

MS/MSD: X

ANALYTES: PCE (3), ARSENIC (1), TPH-Dx (2), TPH-Gx (3)

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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: YVS-2	**Date:** ~~10-22-2021~~ 3-28-2022	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01	
Method: ~~Dedicated Well Pump with MP-15 QED Controller via Low Flow or~~ Peristaltic Pump via Low Flow		
Initial Depth to Water: 18.26	Total Depth to Well: —	
Weather Observations: OVERCAST, 60°F		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1035	18.30	150	3,000	—	CONNECT	YSI	—	—	CLEAR, NO ODORS
1040	18.30	150	3750	16.7	6.29	0.936	-11.5	10.6	" "
1045	18.30	150	4500	16.7	6.26	0.998	-7.2	10.5	" "
✓ 1050	18.30	150	5250	16.7	6.25	1.060	-7.6	10.3	" "
✓ 1055	18.30	150	6000	16.7	6.25	1.065	-7.5	10.2	" "
✓ 1100	18.30	150	6750	16.7	6.25	1.068	-7.5	10.2	" "
1110	BYPASS	YSI	SAMPLED						

Notes: 1045 BEGIN PURGE @ 150 mL/m, FINALLY ORANGE-TURBID W/ HYDROCARBON-LIKE ODORS. PURGED UNTIL CLEAR.

Controller/~~Pump Setting~~: 50%

Total Volume Purged:

Sample ID: YVS-2-20220328 @ 1110

Duplicate ID: YVS-201-20220328 @ 1115 (

MS/MSD: YES (ALL ANALYTES)

ANALYTES: PCE (3), ARSENIC (1), PESTICIDES (2), BENZENE (3), TPH-GRO (3), DI (2) + SVOCs

DUP: " (3), " (1), " (2), " (3), ", (2), ", (2)

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Groundwater Collection Form: Water Quality Monitoring – YAKIMA WA

Well ID: YVS-3	**Date:** 3-28-2022	**Sampler:** S. Strehl
Project Name: YAKIMA VALLEY SPRAY	**Project Number:** 192024-01.01	
Method: DEDICATED WELL PUMP w/ MP-15 QED CONTROLLER VFA LOW FLOW		
Initial Depth to Water: 16.86	**Total Depth to Well:** —	

Weather Observations: OVERCAST, 60F

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0805	17.00	200	~3,000	—	CONNECT	TO SI	—		CLEAR, NO ODORS
0810	17.00	200	4,000	15.1	5.68	0.282	214.9	3.3	" "
0815	17.00	200	5,000	15.1	5.74	0.281	226.7	3.2	" "
0820	17.00	200	6,000	15.1	5.74	0.280	229.8	3.2	" "
0825	17.00	200	7,000	15.1	5.75	0.280	234.2	3.1	" "
0830	BYPASS VSE / SAMPLES								

Notes: BEGIN PURGE @ 0750 FOR 1K MIN @ 200 mL/m, CLEAR WATER

Total Volume Purged:

PUMP SETTING: CMP 4 (10/5 sec) @ 15-20 PSI

Sample ID: YVS-3-20220328 @ 0830

Other: X

MS/MSD: X

ANALYTICAL: TPH-Dx (2)

EQUIPCO RENTALS

YSI ProDSS RENTAL
CALIBRATION CERTIFICATE

SERVICE TECHNICIAN: JM DATE: 3/25/22

RENTAL CUSTOMER: Anchor QEA

INSTRUMENT INFORMATION

RENTAL I.D. NUMBER: YSIPRODSS. 02

SERIAL NUMBER: 16F102613

CALIBRATION INFORMATION

PARAMETER:	STANDARD:	PASS ( )	LOT #
1. CONDUCTIVITY	1,000 µMhos	X	057939
2. pH ZERO	pH 7	X	065579
pH SLOPE	pH 4	X	062494
pH SLOPE	pH 10	X	062496
3. DISSOLVED OXYGEN	Air Calibration Barometric pressure = 760mmHg	X	N/A
4. TURBIDITY ZERO	0.0 NTU's	X	N/A
TURBIDITY SPAN	20 NTU's	X	N/A
5. REDOX (ORP)	231mV (YSI Zobell solution)	X	040621

2686 151st PL NE, Redmond WA, 98052 Phone (888) 234-5678 Fax (925) 305-1303

Quarter 2

Daily Safety Briefing Form

ANCHOR QEA

Date: 6-9-2022

Project No: [redacted] 192024-01.01

Project Name: [redacted] Investigation YAKIMA SPRAY SITE

Person Conducting Meeting: STEPHEN SMITH **Health & Safety Officer:** T. SHAMER **Project Manager:** N. BACHER

TOPICS COVERED:

- ☐ Emergency Procedures and Evacuation Route
- ☐ Directions to Hospital
- ☐ HASP Review and Location
- ☐ Safety Equipment Location
- ☐ Proper Safety Equipment Use
- ☐ Employee Right-to-Know/ SDS Location
- ☐ Fire Extinguisher Location
- ☐ Eye Wash Station Location
- ☐ Buddy System
- ☐ Self and Coworker Monitoring
- ☐ Lines of Authority
- ☐ Communication
- ☐ Site Security
- ☐ Vessel Safety Protocols
- ☐ Work Zones
- ☐ Vehicle Safety and Driving/ Road Conditions
- ☐ Equipment Safety and Operation
- ☐ Proper Use of PPE
- ☐ Decontamination Procedures
- ☐ Near Miss Reporting Procedures
- ☐ Lifting Techniques
- ☐ Slips, Trips, and Falls
- ☐ Hazard Exposure Routes
- ☐ Heat and Cold Stress
- ☐ Overhead and Underfoot Hazards
- ☐ Chemical Hazards
- ☐ Flammable Hazards
- ☐ Biological Hazards
- ☐ Eating/Drinking/Smoking
- ☑ Reviewed Prior Lessons Learned
- ☐ Other: _____

Weather Conditions: OVERCAST, 70F

Daily Work Scope: GW MONITORING

Site-specific Hazards: COCS, TRAFFIC

Safety Comments:

Attendees

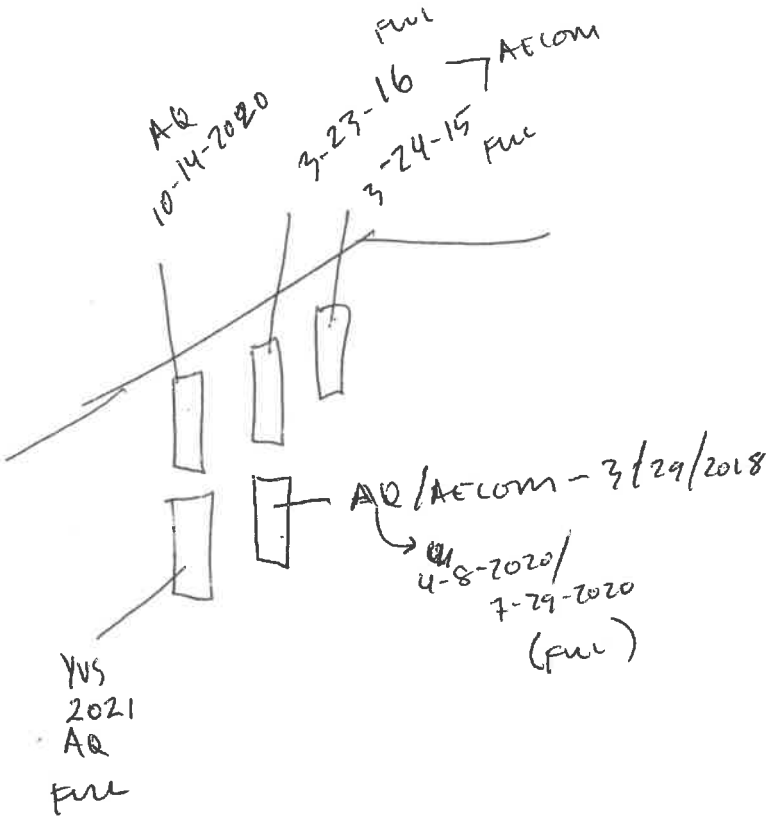
Printed Name	Signature
STEPHEN SMITH	SBS

Yakima Groundwater Gauging Log

Date: 6/9/2022			Project Number: 192024-01.01	
Personel On the Site			Weather	
Name		Affiliation	Conditions: OVERCAST Temperature: 70°F Precipitation: NONE Other:	
STEPHEN STREHL		ANCHOR QEA		
Well Number	**Time**	**Depth to Water (ft)**	**Total well Depth (ft)**	**Comments**
BG-60	0944	21.43	—	NA
BG-90	0940	22.30	—	NA
MW-12	1158	17.48	—	NA
YVS-1B	8:25	17.05	—	& SAMPLED
YVS-2	0930	16.41	—	SAMPLED
YS-1	0950	17.40	—	NA
YS-2	0957	15.03	—	not sampled
MW-8	1148	16.03	—	not sampled
MW-6				
YVS-3	0730	15.96	—	SAMPLED
YVS-3-60	0800	19.75	—	NA
YVS-3-90	0805	22.81	—	NA
MW-9	0954	16.51		not sampled

MED
NE
BROKEN
#SE

Additional Comments:


AQ
10-14-2020
3-23-16
Full
AECOM
3-24-15
Full
AQ/AECOM - 3/29/2018
4-8-2020/
7-29-2020
(Full)
YVS
2021
AQ
Full

Q2

Yakima Groundwater Sampling and Analytical Plan

Project Number: 192024-01.01 T2						
Yakima Valley Spray Site		Yakima, Washington				
Sampler:	*SS*					
Company:	*AQ*					
Well Number	**Sample ID**	**Duplicate**	**MS/MSD**	**Time**	**Date**	**Comments**
YVS-1B	YVS-1B-20220609			0915	6-9-22	
YVS-2	YVS-2-20220609	YVS-201-20220609	✓	1025 / 1030 dup	6-9-22	dup + MS/MSD
YVS-3	YVS-3-20220609			0815	6-9-22	
TB	TB-20220609			0700	6-9-22	
Sampling Information						
Analysis	**Method**	**Container**	**No. of Bottles**	**Preservative**	**Lab**	**Comments**
PCE/Benzene	8260b	40 ml VOA Vial	3	HCL	Pace	
TPH Gas	NWTPH-Gx	40 ml VOA Vial	3	HCL	Pace	
TPH Dx + SG/ wo SG	NWTPH-Dx	250 mL AG	2	HCL	Pace	w/wo silica
Pesticides*	EPA 8081	1 L AG	2	Unpreserved	Pace	
Total Arsenic	200.8 ICPMS	250 mL HDPE	1	HNO3	Pace	Field Filtered
*Pesticide list: DDT, Aldrin, Dieldrin, Beta BHC, Lindane (Gamma BHC)						

DX

DX, GAS, BENZ

DX

BENZ, GX

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Groundwater Collection Form: Water Quality Monitoring — YAKIMA, WA

Well ID: YVS-1B		**Date:** 6-9-22	**Sampler:** S. Strehl
Project Name: YAKIMA VALLEY SPRAY		**Project Number:**	
Method: PERISTALTIC PUMP / YSI			
Initial Depth to Water	17.05	Total Depth to Well	~

Weather Observations: OVERCAST, 70°F

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0850	17.05	150	3,000	BEGIN YSI CONNECTION					CLEAR, NO ODORS
0855	17.05	150	3,750	16.6	6.02	1.956	22.9	20.2	" "
0900	17.05	150	4500	16.6	6.11	1.963	11.7	18.7	" "
0905	17.05	150	5250	16.7	6.12	1.962	11.6	18.5	" "
0910	17.05	150	6000	16.7	6.12	1.962	11.5	18.5	" "
0915	BYPASS YSI / SAMPLES								

Notes: BEGIN PURGE @ 0830 @ 150 ML/M, INITIALLY ORANGE COLORED THEN CLEAR
PURGED FOR 20 MIN

Total Volume Purged:
SETTING: 50%, TUBING @ 22' BGS

Sample ID: YVS-1B-20220609 @ 0915

Other:

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Groundwater Collection Form: Water Quality Monitoring – YAKIMA, WA

Well ID: YVS-2	**Date:** 6-9-22	**Sampler:** S. Strehl	
Project Name: YAKIMA VALLEY SPRAY	**Project Number:**		
Method: PERISTALTIC PUMP + YSI			
Initial Depth to Water: 16.41	Total Depth to Well: —		

Weather Observations: OVERCAST, 70°F

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1000	17.00	150	4500	BEGIN YSI CONNECTION				—	CLEAR, NO ODORS
1005	17.00	150	5250	17.1	6.34	0.662	-7.2	11.0	" "
1010	17.00	150	6000	17.0	6.31	0.706	-14.9	11.1	" "
1015	17.00	150	6750	17.0	6.31	0.712	-15.2	11.0	" "
1020	17.00	150	7250	17.0	6.31	0.715	-15.4	10.9	" "
1025	BYPASS YSI / SAMPLES								

Notes: BEGIN PURGE 0930 @ 150 mL/m, INITIAL HYDROCARBON-LIKE ODORS, PURGED CLEAR PURGE FOR 30 MIN

Total Volume Purged: SETTING: 60 L @

Sample ID: YVS-20220609 @ 1025 + MS + MSD

Other: YVS-20100609 (DUP) @ 1030

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Groundwater Collection Form: Water Quality Monitoring – YAKIMA WA

Well ID: YVS-3	**Date:** 6-9-22	**Sampler:** S. Strehl
Project Name: YVS (YAKIMA VALLEY SPRAY)	**Project Number:**	
Method: BLADDER PUMP, QED IS CONTROLLER, DEDICATED PUMP		
Initial Depth to Water: 15.96	Total Depth to Well: —	
Weather Observations: OVERCAST, 70°F		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
				BEGIN YSI CONNECTION					CLEAR, NO ODORS
0750	16.00	150	3000						
0755	16.00	150	3750	16.5	5.82	0.191	239.9	3.8	" "
0800	16.00	150	4500	15.7	5.78	0.187	261.9	3.2	" "
0805	16.00	150	5250	15.7	5.79	0.186	262.1	3.2	" "
0810	16.00	150	6000	15.7	5.80	0.185	263.3	3.2	" "
0815	BYPASS	YSI / SAMPLES							

Notes: BEGIN PURGE @ 0738 FOR 150 mL/m, CLEAR, FOR 20 MIN

Total Volume Purged:
CONTROLLER - CMP 10/5 15-20 PSI

Sample ID: YVS-3-20220609 @ 0815

Other:

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	ANCHOR QEA, LLC
Address:	1201 3rd Avenue, Suite 2600 Seattle, WA 98101
Email To:	LABDATA@ANCHORQEA.COM
Phone:	2066287930 Fax: —
Requested Due Date/TAT:	10 Day (Standard)

Section B
Required Project Information:

Report To:	CFIELDS@ANCHORQEA.COM
Copy To:	NBACHTER@ANCHORQEA.COM
Purchase Order No.	192724-01.01
Client Project ID:	Yakima Valley Spray
Container Order Number:	

Section C
Invoice Information:

Attention:	Accounts Payable
Company Name:	ANCHOR QEA, LLC
Address:	1201 3rd Avenue, Suite 2600
Pace Quote Reference:	
Pace Project Manager:	Jennifer Gross
Pace Profile #:	40757 / 1

Page: 1 Of 1

Regulatory Agency
State / Location
WA / Yakima

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS
GW: ground water	

ITEM#	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	NWTPH-DX	NWTPH-Dx + Silica Gel	Benzene by 8260	NWTPH-Gx	Residual Chlorine (Y/N)	
1	TB-20220609	WT	G	6-9-22	0700				4															
2	YVS-1B-20220609	GW	G		0915				2				X						X	X				
3	YVS-3-20220609	GW	G		0815				2				X						X	X				
4	YVS-2-20220609	GW	G		1025				4				X						X	X	X	X		
5	YVS-201-20220609	GW	G	6-9-22	1030				8				X						X	X	X	X		MS/MSD
6																								
7																								
8																								
9																								
10																								
11																								
12																								

SS 6-9-2022

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
*Pesticides by 8081: 4,4-DDT, Aldrin, Dieldrin, beta-BHC, gamma-BHC (Lindane)	Stephen Strehl / Anchor QEA	6-9-22	1200				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Stephen Strehl

SIGNATURE of SAMPLER: [signature]   DATE Signed: 6-9-2022

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Quarter 3

Daily Safety Briefing Form

Date: 8-30-22

Project No: 192024-01.01

Project Name: Yakima Valley Spray/U-haul Site

Person Conducting Meeting: S. STREIN

Health & Safety Officer: T. SHAMER

Project Manager: H. UDGES

TOPICS COVERED:

- ☑ Emergency Procedures and Evacuation Route
- ☑ Directions to Hospital
- ☑ HASP Review and Location
- ☑ Safety Equipment Location
- ☑ Proper Safety Equipment Use
- ☑ Employee Right-to-Know/ SDS Location
- ☑ Fire Extinguisher Location
- ☑ Eye Wash Station Location
- ☑ Buddy System
- ☑ Self and Coworker Monitoring
- ☐ Other:
- ☑ Lines of Authority
- ☑ Communication
- ☑ Site Security
- ☐ Vessel Safety Protocols
- ☑ Work Zones
- ☑ Vehicle Safety and Driving/ Road Conditions
- ☑ Equipment Safety and Operation
- ☑ Proper Use of PPE
- ☑ Decontamination Procedures
- ☑ Near Miss Reporting Procedures
- ☑ Lifting Techniques
- ☑ Slips, Trips, and Falls
- ☑ Hazard Exposure Routes
- ☑ Heat and Cold Stress
- ☑ Overhead and Underfoot Hazards
- ☑ Chemical Hazards
- ☑ Flammable Hazards
- ☑ Biological Hazards
- ☑ Eating/Drinking/Smoking
- ☑ Reviewed Prior Lessons Learned

Weather Conditions: 70F, SUNNY.

Daily Work Scope: SAMPLE 2 WELLS, GAUGE GW

Site-specific Hazards: HEAT ADVISORY

Safety Comments: DRINK WATER

Attendees

Printed Name	Signature
S. STREIN	SS

Yakima Groundwater Gauging Log

Date: 8-30-22		Project Number: 192024-01.01	
Personel On the Site		Weather	
Name	Affiliation	Conditions: 70-80F Sunny Temperature: 70 80F Precipitation: NA Other: HEAT ADVISORY	
S. STROTZ	ANCHOR QEA		

Well Number	Time	Depth to Water (ft)	Total well Depth (ft)	Comments
BG-60	0902	17.65	—	NOT SAMPLED
BG-90	0903	19.13	—	↓
MW-12	1042	13.97	—	↓
YVS-1B	0852	12.81	—	NOT SAMPLED
YVS-2	0835	12.68	—	SAMPLED
YS-1	1027	15.90	—	NOT SAMPLED
YS-2	1040	14.10	—	not sampled
MW-8	1045	13.16	—	not sampled
MW-6	NA	NA	—	NOT SAMPLED
YVS-3	7:20	13.97	—	SAMPLED
YVS-3-60	7:47	16.24	—	NOT SAMPLED
YVS-3-90	7:49	20.20	—	NOT SAMPLED
MW-9	1029	15.11	—	not sampled

Additional Comments:

8
2
9
1

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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: YVS-3	**Date:** 8-30-2022	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01	
Method: Dedicated Well Pump with MP-15 QED Controller via Low Flow or Peristaltic Pump via Low Flow		
Initial Depth to Water: 13.97	Total Depth to Well: —	
Weather Observations: 70F, Sunny		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0740	13.99	200	4000	—	BEGIN	YSI CONNECTION			CLEAR, NO ODORS
0745	13.99	200	5000	18.1	5.08	0.256	325.4	2.90	" "
0750	13.99	200	6000	18.1	5.18	0.254	335.7	2.83	" "
0755	13.99	200	7000	18.1	5.22	0.254	350.8	2.80	" "
0800	13.99	200	8000	18.2	5.22	0.254	352.1	2.79	" "
0805	13.99	200	9000	18.2	5.22	0.254	352.9	2.79	" "
0810	BY PASS YSI / SAMPLES								

Notes: BEGIN PURGE @ 720, 200 mL/m FOR 20 MIN

Controller/Pump Setting: CPM 4 10/5 15-20 PSI

Total Volume Purged: ~9000

Sample ID: YVS-3-20220830 @ 08:10

Duplicate ID: X

MS/MSD: X

ANCHOR QEA

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Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131
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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: YVS-2	**Date:** 8-30-2022	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01	
Method: Dedicated Well Pump with MP-15 QED Controller via Low Flow or Peristaltic Pump via Low Flow		
Initial Depth to Water: 12.68	Total Depth to Well: —	

Weather Observations: Sunny, 85 F

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0850	12.98	150	2250	— BEGIN		W SI	CONNECTION —		CLEAR, NO ODORS
0855	12.98	150	3000	20.1	5.00	0.726	349.1	37.30	" "
0900	12.98	150	3750	20.0	5.37	0.738	347.5	34.20	" "
0905	12.98	150	4500	20.0	5.31	0.741	337.6	30.00	" " ✓
0910	12.98	150	5250	20.0	5.30	0.742	334.7	29.56	" " ✓
0915 DUP	12.98	150	6000	20.0	5.30	0.741	333.5	29.54	" " ✓
0920	BYPASS YSI / SAMPLED								
0925	DUPLICATE								

Notes: BEGIN PURGE @ 0835 @ 150 mL/m, INITIALLY ORANGE FLAKES, SLIGHT HC ODOR MOSTLY CLEAR AFTER 5 MIN. PURGED FOR 15 MIN (PURGED UNTIL CLEAR)

Controller/Pump Setting: 50% P-pump

Total Volume Purged:

Sample ID: YVS-2-20220830 @ 0920 + MS/MSD

Duplicate ID: YVS-201-20220830 @ 0925

MS/MSD: YES

Yakima Groundwater Sampling and Analytical Plan

Project Number: 192024-01.01 T2						
Yakima Valley Spray Site		Yakima, Washington				
Sampler:	*SS*					
Company:	*AQ*					
Well Number	**Sample ID**	**Duplicate**	**MS/MSD**	**Time**	**Date**	**Comments**
YVS-1B	Not sampled					
YVS-2	YVS-2-20220830	YVS-201-20220830	Yes	0920/0975	8-30-22	+MS/MSD
YVS-3	YVS-3-20220830	X	X	0810	8-30-22	
TB	TB-20220830	X	X	0700	8-30-22	

Sampling Information

Analysis	Method	Container	No. of Bottles	Preservative	Lab	Comments
PCE/Benzene	8260b	40 ml VOA Vial	3	HCL	Pace	
TPH Gas	NWTPH-Gx	40 ml VOA Vial	3	HCL	Pace	
TPH Dx + SG/ wo SG	NWTPH-Dx	250 mL AG	2	HCL	Pace	w/wo silica
Pesticides*	EPA 8081	1 L AG	2	Unpreserved	Pace	
Total Arsenic	200.8 ICPMS	250 mL HDPE	1	HNO3	Pace	Field Filtered

*Pesticide list: DDT, Aldrin, Dieldrin, Beta BHC, Lindane (Gamma BHC)

EQUIPCO RENTALS

YSI ProDSS RENTAL
CALIBRATION CERTIFICATE

SERVICE TECHNICIAN: DM DATE: 8/29/22

RENTAL CUSTOMER:

INSTRUMENT INFORMATION

RENTAL I.D. NUMBER: YSIPRODSS.05

SERIAL NUMBER: 16F102616

CALIBRATION INFORMATION

PARAMETER:	STANDARD:	PASS ( )	LOT #
1. CONDUCTIVITY	1,000 µMhos	✓	0C57937
2. pH ZERO	pH 7	✓	065579
pH SLOPE	pH 4	✓	062494
pH SLOPE	pH 10	✓	062495
3. DISSOLVED OXYGEN	Air Calibration Barometric pressure = 760mmHg	✓	N/A
4. TURBIDITY ZERO	0.0 NTU's	✓	N/A
TURBIDITY SPAN	20 NTU's	✓	____
5. REDOX (ORP)	231mV (YSI Zobell solution)	✓	040621

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DELIVERY SLIP

Date	Transaction no
29-Aug-22	01-55700-3

P.O. Box 5606
Concord, CA 94524

INVOICE
Anchor QEA-Seattle
1201 3rd Ave.
Suite 2600
Seattle WA 98101
Tel: 206-287-9130

SHIPPED
Stephen Strehl

Customer no	2879130	Representative	Jason Miller
Customer P.O.	192024-01.01 T02	SHIP VIA	Thunderdog Same Day
Quotation no	0-0	Shipping	29-Aug-22 08/30/2022
Reservation no		Close Contract	30-Aug-22
Contract no	0-0		

Qty	Registration Code	Ret. Qty	Description
MULTIP : MULTIPARAMETER INSTRUMENTS			
1	YSIPRODSS.05	_____	YSI ProDSS
1	PRODSSCBL4.05	_____	YSI ProDSS Cable
1	PRODSSCOND.05	_____	YSI ProDSS Cond/Temp Probe
1	PRODSSODO.05	_____	YSI ProDSS ODO Probe
1	PRODSSPH.05	_____	YSI ProDSS pH/ORP Probe
1		_____	YSI ProDSS Probe Guard
1		_____	YSI ProDSS Sonde Weight, 4.9 oz
1		_____	YSI ProDSS Cal Cup
1		_____	YSI ProDSS Flow Cell
1		_____	YSI ProDSS Flow Cell O-Ring Kit
1		_____	YSI ProDSS Thumbdrive Manual/Softw are
1		_____	YSI ProDSS Manual
1		_____	YSI 6 foot USB Cable
1		_____	YSI 6 Inch USB Cable
1		_____	YSI ProDSS Charger
1		_____	YSI ProDSS Case
2		_____	YSI Flow Cell Fitting, 1/4" Hose Barb
2		_____	YSI Flow Cell Fitting, 3/8" Hose Barb

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DELIVERY SLIP

Date	Transaction no
29-Aug-22	01-55700-3

P.O. Box 5606
Concord, CA 94524

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Seattle WA 98101
Tel: 206-287-9130

SHIPPED
Stephen Strehl

Customer no	2879130	Representative	Jason Miller
Customer P.O.	192024-01.01 T02	SHIP VIA	Thunderdog Same Day
Quotation no	0-0	Shipping	29-Aug-22 08/30/2022
Reservation no		Close Contract	30-Aug-22
Contract no	0-0		

Qty	Registration Code	Ret. Qty	Description
1	PRODSSTURB.05	_____	YSI ProDSS Turbidity Probe
QEDSAM : QED SAMPLING SYSTEMS			
1	MP-15.05	_____	QED MP-15 Controller
1		_____	5LB CO2 Cylinder, Aluminum
TDCOUR : Thunderdog Courier			
1		_____	Thunderdog Same Day OutBound
WLM : WATER LEVEL METERS			
1	WLM100P6.31	_____	Solinst Water Level Meter, 100' P6
1		_____	Solinst Tape Guide

Shipping Notes
Courier at 11

Quarter 4

Daily Safety Briefing Form

ANCHOR QEA

Date: 11-7-22

Project No: 192024-01.01

Project Name: Yakima Valley Spray/U-haul Site

Person Conducting Meeting: S. STREITZ

Health & Safety Officer: T. SHANEY

Project Manager: N. BACHER

TOPICS COVERED:

- ☑ Emergency Procedures and Evacuation Route
- ☑ Directions to Hospital
- ☑ HASP Review and Location
- ☑ Safety Equipment Location
- ☑ Proper Safety Equipment Use
- ☑ Employee Right-to-Know/ SDS Location
- ☑ Fire Extinguisher Location
- ☑ Wash Station Location
- ☐ Bu
- ☑ Self a. Monitoring
- ☑ Other: —
- ☑ Lines of Authority
- ☑ Communication
- ☑ Site Security
- ☐ Vessel Safety Protocols
- ☑ Work Zones
- ☑ Vehicle Safety and Driving/ Road Conditions
- ☑ Equipment Safety and Operation
- ☑ Proper Use of PPE
- ☑ Decontamination Procedures
- ☑ Near Miss Reporting Procedures
- ☑ Lifting Techniques
- ☑ Slips, Trips, and Falls
- ☑ Hazard Exposure Routes
- ☑ Heat and Cold Stress
- ☑ Overhead and Underfoot Hazards
- ☑ Chemical Hazards
- ☑ Flammable Hazards
- ☑ Biological Hazards
- ☐ Eating/Drinking/Smoking
- ☑ Reviewed Prior Lessons Learned

Weather Conditions:

Daily Work Scope: GW MONITORING + CAULKING

Site-specific Hazards: COCs, TRAFFIC

Safety Comments:

Attendees

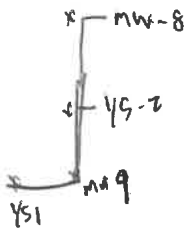
Printed Name	Signature
S. STREITZ	

Yakima Groundwater Gauging Log

Date: 11-7-2022		Project Number: 192024-01.01	
Personel On the Site		Weather	
Name S. STRETH	Affiliation AQ	Conditions:	
		Temperature: Precipitation: Other:	

Well Number	Time	Depth to Water (ft)	Total well Depth (ft)	Comments
BG-60	1040	18.99	—	NOT SAMPLED
BG-90	1039	21.27	—	↓
MW-12	1057	14.92	—	↓
YVS-1B	0914	14.15	—	NOT SAMPLED
YVS-2	0930	13.25	—	SAMPLED
YS-1	1044	15.54	—	NOT SAMPLED
YS-2	1048	15.32	—	not sampled
MW-8	1050	13.91	—	not sampled
MW-6	—	WELL BROKEN	—	↓
YVS-3	0918	13.80	—	↓
YVS-3-60	0919	17.52	—	↓
YVS-3-90	0923	21.41	—	↓
MW-9	1046	15.56	—	not sampled

Additional Comments:



ANCHOR QEA

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Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131
www.anchorqea.com

Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: YVS-2	**Date:** 11-7-22	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01	

Method: Dedicated Well Pump with MP-15 QED Controller via Low Flow or Peristaltic Pump via Low Flow

Initial Depth to Water	13.25	Total Depth to Well	—

Weather Observations: 38°F, RECENT PRECIPITATION, CHILLY

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0910	13.60	150	4500	— BEGIN	YSI CONNECTION —				CLEAR, NO ODORS
0915	13.60	150		17.2	5.31	0.534	299.8	8.12	" "
0920	13.60	150		17.5	5.29	0.541	290.5	7.29	" "
0925	13.60	150		17.8	5.18	0.550	281.1	5.60	" "
0930	13.60	150		18.0	5.12	0.555	274.1	5.66	" "
0935	13.61	150		18.0	5.07	0.559	266.3	5.50	" " ✓
0940	13.61	150		18.0	5.06	0.559	265.5	5.48	" " ✓
0945	13.61	150		18.0	5.05	0.559	265.2	5.47	" " ✓
0950	BYPASS YSI / SAMPLES								
1000	SAMPLED DUPLICATE								

Notes: BEGIN PURGE AT 08:40 @ 150 mL/m, SOME ORANGE/SILT FLAKES / TURBIDITY INITIALLY THEN QUICKLY CLEAR. PURGED 30 MIN.

Controller/Pump Setting: 35%

Total Volume Purged:

Sample ID: YVS-2-20221107 @ 0950 (BOTTLES: 22)

Duplicate ID: YVS-201-20221107 @ 1000 (BOTTLES: 8)

MS/MSD: YES

Yakima Groundwater Sampling and Analytical Plan

Project Number: 192024-01.01 T2						
Yakima Valley Spray Site		Yakima, Washington				
Sampler:	*SS*					
Company:	*AQ*					
Well Number	**Sample ID**	**Duplicate**	**MS/MSD**	**Time/Dup Time**	**Date**	**Comments**
YVS-2	YVS-2-20221107	YVS-201-20221107	YES	0950 / 1000	11/7/2022	
TB	TB-20221107	NA	NA	0800	11/7/2022	
Sampling Information						
Analysis	**Method**	**Container**	**No. of Bottles**	**Preservative**	**Lab**	**Comments**
PCE/Benzene	8260b	40 ml VOA Vial	3	HCL	Pace	
TPH Gas	NWTPH-Gx	40 ml VOA Vial	3	HCL	Pace	
TPH Dx + SG/ wo SG	NWTPH-Dx	250 mL AG	2	HCL	Pace	w/wo silica

EQUIPCO RENTALS

YSI ProDSS RENTAL
CALIBRATION CERTIFICATE

SERVICE TECHNICIAN: [illegible] DATE: 11/4/22

RENTAL CUSTOMER: Archer QEA

INSTRUMENT INFORMATION

RENTAL I.D. NUMBER: YSIPRODSS.05

SERIAL NUMBER: 16F10261 6

CALIBRATION INFORMATION

PARAMETER:	STANDARD:	PASS ( )	LOT #
1. CONDUCTIVITY	1,000 µMhos	X	05939
2. pH ZERO	pH 7	X	065579
pH SLOPE	pH 4	X	062494
pH SLOPE	pH 10	X	062495
3. DISSOLVED OXYGEN	Air Calibration Barometric pressure = 760mmHg	X	N/A
4. TURBIDITY ZERO	0.0 NTU's	X	N/A
TURBIDITY SPAN	20 NTU's	X	N/A
5. REDOX (ORP)	231mV (YSI Zobell solution)	X	040621

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DELIVERY SLIP

Date	Transaction no
28-Oct-22	01-56210-1

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1201 3rd Ave.
Suite 2600
Seattle WA 98101
Tel: 206-287-9130

SHIPPED
Stephen Strehl

Customer no	2879130	Representative	Jason Miller
Customer P.O.	192024-01.01	SHIP VIA	Thunderdog Same Day
Quotation no	0-0	Shipping	04-Nov-22 11/07/2022
Reservation no		Close Contract	07-Nov-22
Contract no	0-0		

Qty	Registration Code	Ret. Qty	Description
MULTIP : MULTIPARAMETER INSTRUMENTS			
1	YSIPRODSS.05	_____	YSI ProDSS
1	PRODSSCBL4.05	_____	YSI ProDSS Cable
1	PRODSSCOND.05	_____	YSI ProDSS Cond/Temp Probe
1	PRODSSODO.05	_____	YSI ProDSS ODO Probe
1	PRODSSPH.05	_____	YSI ProDSS pH/ORP Probe
1		_____	YSI ProDSS Probe Guard
1		_____	YSI ProDSS Sonde Weight, 4.9 oz
1		_____	YSI ProDSS Cal Cup
1		_____	YSI ProDSS Flow Cell
1		_____	YSI ProDSS Flow Cell O-Ring Kit
1		_____	YSI ProDSS Thumbdrive Manual/Softw are
1		_____	YSI ProDSS Manual
1		_____	YSI 6 foot USB Cable
1		_____	YSI 6 Inch USB Cable
1		_____	YSI ProDSS Charger
1		_____	YSI ProDSS Case
2		_____	YSI Flow Cell Fitting, 1/4" Hose Barb
2		_____	YSI Flow Cell Fitting, 3/8" Hose Barb

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DELIVERY SLIP

Date	Transaction no
28-Oct-22	01-56210-1

P.O. Box 5606
Concord, CA 94524

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Suite 2600
Seattle WA 98101
Tel: 206-287-9130

SHIPPED
Stephen Strehl

Customer no	2879130	Representative	Jason Miller
Customer P.O.	192024-01.01	SHIP VIA	Thunderdog Same Day
Quotation no	0-0	Shipping	04-Nov-22 11/07/2022
Reservation no		Close Contract	07-Nov-22
Contract no	0-0		

Qty	Registration Code	Ret. Qty	Description
1	PRODSSTURB.05	_____	YSI ProDSS Turbidity Probe
TDCOUR : Thunderdog Courier			
1		_____	Thunderdog Same Day OutBound
WLM : WATER LEVEL METERS			
1	WLM100P6.31	_____	Solinst Water Level Meter, 100' P6
1		_____	Solinst Tape Guide

Shipping Notes
courier at 9

Appendix B
Historical Groundwater Results

Appendix B
Historical Groundwater Results

Location ID	Sample ID	Month Year	Sample Type	Chemical Name Unit Cleanup Level	Tetrachloro-ethylene µg/L 23.9	Arsenic µg/L 5	Benzene µg/L 5	4,4'-DDT µg/L 0.3	Aldrin µg/L	beta-BHC µg/L	Dieldrin µg/L	gamma-BHC (Lindane) µg/L	Gasoline Range Hydrocarbons µg/L 800	Diesel Range Hydrocarbons µg/L 500	Diesel Range Hydrocarbons w/SG µg/L 500	Motor Oil Range Hydrocarbons µg/L 500	Motor Oil Range Hydrocarbons w/SG µg/L 500	Fecal Coliform CFU/100 mL NA	N-Ammonia mg/L NA	Nitrogen, NO_2 plus NO_3 mg/L NA	Total Dissolved Solids mg/L NA
Background																					
BG-60																					
BG-60	BG-60-0904	Sep 2004			**29.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-1204	Dec 2004			**26.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0305	Mar 2005			**22.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0605	Jun 2005			**24.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0905	Sep 2005			**20.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-1205	Dec 2005			< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0306	Mar 2006			**20**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0606	Jun 2006			**20.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0906	Sep 2006			**21.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-1206	Dec 2006			**21**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0507	May 2007			**19.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0408	Apr 2008			**18.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0608	Jun 2008			**17.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0908	Sep 2008			**23.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0109	Jan 2009			**24.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0309	Mar 2009			**20.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0609	Jun 2009			**9.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0909	Sep 2009			**15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-1209	Dec 2009			**22.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0310	Mar 2010			**13.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0610	Jun 2010			**17.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0910	Sep 2010			**17.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0313	Mar 2013			**19**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.100	**3.7**	NA
BG-60	BG-60-0913	Sep 2013			**16.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0314	Mar 2014			**17.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0914	Sep 2014			**21.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0315	Mar 2015			**19.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-1015	Oct 2015			**19**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0316	Mar 2016			**16.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-60	BG-60-0917	Sep 2017			**16.7**	< 0.50	< 1.00	< 0.100	< 0.051	< 0.051	< 0.10	< 0.051	< 100	< 390	< 390	< 390	< 390	< 1.0	< 0.040	**5.4**	**311**
BG-60	BG-60-0318	Mar 2018			**15.8**	< 0.50	< 1.00	< 0.100	< 0.050	< 0.050	< 0.10	< 0.050	< 100	< 410	< 410	< 410	< 410	< 1.0	< 0.040	**5.6**	**270**
BG-60	BG-60-20200108	Jan 2020	Normal		**14.1**	**0.54**	< 1.00	< 0.094	< 0.047	< 0.047	< 0.094	< 0.047	< 0.1	< 380	< 380	< 380	< 380	< 1.0	< 0.1	**5.0**	**277**
BG-60	BG-60-20200407	Apr 2020	Normal		**11.1**	< 0.50	< 1.00	< 0.100	< 0.050	< 0.050	< 0.10	< 0.050	< 0.1	< 380	< 380	< 380	< 380	< 1.0	< 0.1	**5.2**	**185**
BG-60	BG-60-20200728	Jul 2020	Normal		**14.6**	< 0.50	< 1.00	< 0.096	< 0.048	< 0.048	< 0.096	< 0.048	< 0.1	< 400	< 400	< 400	< 400	< 1.0	< 0.1	**5.0**	**259**
BG-60	BG-601-20200728	Jul 2020	Duplicate		**14.6**	< 0.50	< 1.00	< 0.096	< 0.048	< 0.048	< 0.096	< 0.048	< 0.1	< 390	< 390	< 390	< 390	< 1.0	< 0.1	**4.6**	**254**
BG-60	BG-60-20201013	Oct 2020	Normal		**14.3**	< 0.50	< 1.00	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	< 0.1	< 390	< 390	< 390	< 390	< 1.0	< 0.1	**4.2**	**257**
BG-60	BG-601-20201013	Oct 2020	Duplicate		**13.5**	< 0.50	< 1.00	< 0.100	< 0.050	< 0.050	< 0.10	< 0.050	< 0.1	< 390	< 390	< 390	< 390	< 1.0	< 0.1	**4.6**	**249**
BG-90																					
BG-90	BG-90-0904	Sep 2004			< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-1204	Dec 2004			< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0305	Mar 2005			< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0605	Jun 2005			< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0905	Sep 2005			< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-1205	Dec 2005			< 25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0306	Mar 2006			< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0606	Jun 2006			**0.83**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0906	Sep 2006			**0.81**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-1206	Dec 2006			**0.95**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0507	May 2007			< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0408	Apr 2008			**1.37**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0608	Jun 2008			**1.17**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0908	Sep 2008			**1.41**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0109	Jan 2009			**1.46**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0309	Mar 2009			**1.41**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0609	Jun 2009			< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0909	Sep 2009			**1.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-1209	Dec 2009			**2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0310	Mar 2010			**2.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0610	Jun 2010			**1.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0910	Sep 2010			**1.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0313	Mar 2013			**3.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.100	**2.9**	NA
BG-90	BG-90-0913	Sep 2013			**2.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B
Historical Groundwater Results

Location ID	Sample ID	Month Year	Sample Type	Chemical Name Unit Cleanup Level	Tetrachloro-ethylene µg/L 23.9	Arsenic µg/L 5	Benzene µg/L 5	4,4'-DDT µg/L 0.3	Aldrin µg/L	beta-BHC µg/L	Dieldrin µg/L	gamma-BHC (Lindane) µg/L	Gasoline Range Hydrocarbons µg/L 800	Diesel Range Hydrocarbons µg/L 500	Diesel Range Hydrocarbons w/SG µg/L 500	Motor Oil Range Hydrocarbons µg/L 500	Motor Oil Range Hydrocarbons w/SG µg/L 500	Fecal Coliform CFU/100 mL NA	N-Ammonia mg/L NA	Nitrogen, NO_2 plus NO_3 mg/L NA	Total Dissolved Solids mg/L NA
BG-90	BG-90-0314	Mar 2014			**3.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0914	Sep 2014			**3.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0315	Mar 2015			**3.80**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-1015	Oct 2015			**3.80**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0316	Mar 2016			**3.60**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BG-90	BG-90-0917	Sep 2017			**4.45**	**1.1**	< 1.00	< 0.10	< 0.052	< 0.052	< 0.10	< 0.052	< 100	< 390	< 390	< 390	< 390	< 1.0	< 0.040	**2.9**	**226**
BG-90	BG-90-0318	Mar 2018			**5.0**	**1.0**	< 1.00	< 0.10	< 0.052	< 0.052	< 0.10	< 0.052	< 100	< 380	< 380	< 380	< 380	< 1.0	< 0.040	**3.1**	**225**
BG-90	BG-90-20200108	Jan 2020	Normal		**3.7**	**1.1**	< 1.0	< 0.094	< 0.047	< 0.047	< 0.094	< 0.047	< 0.1	< 380	< 380	< 380	< 380	< 1.0	< 0.100	**3.9**	**265**
BG-90	BG-90-20200407	Apr 2020	Normal		**3.7**	**0.95**	< 1.0	< 0.10	< 0.050	< 0.050	< 0.10	< 0.050	< 0.1	< 380	< 380	< 380	< 380	< 1.0	< 0.100	**4.0**	**238**
BG-90	BG-901-20200407	Apr 2020	Duplicate		**3.4**	**0.98**	< 1.0	< 0.10	< 0.050	< 0.050	< 0.10	< 0.050	< 0.1	< 380	< 380	< 380	< 380	< 1.0	< 0.100	**3.6**	**255**
BG-90	BG-90-20200728	Jul 2020	Normal		**4.9**	**0.94**	< 1.0	< 0.095	< 0.047	< 0.047	< 0.095	< 0.047	< 0.1	< 380	< 380	< 380	< 380	< 1.0	< 0.100	**4.1**	**230**
BG-90	BG-90-20201013	Oct 2020	Normal		**4.58**	**0.97**	< 1.00	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	< 0.1	< 390	< 390	< 390	< 390	< 1.0	< 0.100	**3.9**	**246**
MW-12																					
MW-12	MW-12-0904	Sep 2004			**23**	< 1	< 1	< 0.08	< 0.08	< 0.04	< 0.08	< 0.04	< 50	< 250	NA	< 500	NA	NA	NA	NA	NA
MW-12	MW-12-1204	Dec 2004			**13.7**	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 500	NA	< 500	NA	NA	NA	NA	NA
MW-12	MW-12-0305	Mar 2005			**6.76**	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
MW-12	MW-12-0605	Jun 2005			**17.8**	< 1	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
MW-12	MW-12-0905	Sep 2005			**25.2**	< 1	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
MW-12	MW-12-1205	Dec 2005			< **25**	< 1	< 5	< 0.288	< 0.0769	< 0.192	< 0.0769	< 0.192	< 50	< 243	NA	< 243	NA	NA	NA	NA	NA
MW-12	MW-12-0306	Mar 2006			**6.22**	< 1	< 1	< 0.286	< 0.0762	< 0.19	< 0.0762	< 0.19	< 50	< 240	NA	< 240	NA	NA	NA	NA	NA
MW-12	MW-12-0606	Jun 2006			**11.9**	**1**	< 0.5	< 0.0777	< 0.0777	< 0.0388	< 0.0777	< 0.0388	< 50	< 253	NA	< 253	NA	NA	NA	NA	NA
MW-12	MW-12-0906	Sep 2006			**15.2**	**1.12**	< 0.5	< 0.286	< 0.0714	< 0.19	< 0.0714	< 0.19	< 50	< 245	NA	< 490	NA	NA	NA	NA	NA
MW-12	MW-12-1206	Dec 2006			**9.06**	< 1	< 0.5	< 0.0762	< 0.0762	< 0.0381	< 0.0762	< 0.0381	< 50	< 238	NA	< 238	NA	NA	NA	NA	NA
MW-12	MW-12-0507	May 2007			**5.66**	**1.09**	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
MW-12	MW-12-0408	Apr 2008			**10.5**	**1.15**	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 800	< 236	NA	< 236	NA	NA	NA	NA	NA
MW-12	MW-12-0608	Jun 2008			**8.72**	**1.11**	< 1	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
MW-12	MW-12-0908	Sep 2008			**26.4**	< 1	< 1	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
MW-12	MW-12-0109	Jan 2009			**7.69**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12																					
MW-12	MW-12-0309	Mar 2009			**7.25**	< 1	< 1	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
MW-12	MW-12-0609	Jun 2009			**3.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	MW-12-0909	Sep 2009			**20**	< 2	< 1	< 0.019 UJ	< 0.0094 UJ	< 0.019 UJ	< 0.019 UJ	< 0.0094 UJ	< 50	< 120	NA	< 240	NA	NA	NA	NA	NA
MW-12	MW-12-1209	Dec 2009			**7.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	MW-12-0310	Mar 2010			**5.7**	**0.92**	< 1	< 0.1	< 0.05 J	< 0.05	< 0.1	< 0.05	< 50	< 75	NA	< 380	NA	NA	NA	NA	NA
MW-12	MW-12-0610	Jun 2010			**6.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	MW-12-0910	Sep 2010			**23.2**	**0.82**	< 1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 50	< 76	NA	< 380	NA	NA	NA	NA	NA
MW-12	MW-12-0313	Mar 2013			**6.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.100	**1.6**	NA
MW-12	MW-12-0913	Sep 2013			**17.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	MW-12-0314	Mar 2014			**4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	MW-12-0914	Sep 2014			**36.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	MW-12-0315	Mar 2015			**3.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	MW-12-1015	Oct 2015			**19.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	MW-12-0316	Mar 2016			**4.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	MW-12-0917	Sep 2017			**15.3**	**0.85**	< 1	< 0.1	< 0.051	< 0.051	< 0.10	< 0.051	< 100	< 390	< 390	< 390	< 390	< 1.0	< 0.040	**9.4**	**351**
MW-12	MW-12-0318	Mar 2018			**3.8**	**0.98**	< 1.00	< 0.10	< 0.051	< 0.051	< 0.10	< 0.051	< 100	< 380	< 380	< 380	< 410	< 1.0	< 0.040	**1.3**	**213**
MW-12	MW-12-20200108	Jan 2020	Normal		**8.1**	**0.87**	< 1.0	< 0.094	< 0.047	< 0.047	< 0.094	< 0.047	< 0.1	< 420	< 420	< 420	< 420	< 1.0	< 0.10	**3.4**	**264**
MW-12	MW-120-20200108	Jan 2020	Duplicate		**8.1**	**0.96**	< 1.0	< 0.095	< 0.047	< 0.047	< 0.095	< 0.047	< 0.1	< 380	< 380	< 380	< 380	< 1.0	< 0.10	**3.4**	**250**
MW-12	MW-12-20200408	Apr 2020	Normal		**3.2**	**1.0**	< 1.0	< 0.10	< 0.051	< 0.051	< 0.10	< 0.051	< 0.1	< 430	< 430	< 430	< 430	< 1.0	< 0.10	**2.6**	**200**
MW-12	MW-12-20200728	Jul 2020	Normal		**6.1**	**1.0**	< 1.0	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	< 0.1	< 390	< 390	< 390	< 390	< 1.0	< 0.10	**4.2**	**197**
MW-12	MW-12-20201013	Oct 2020	Normal		**19.1**	**0.81**	< 1.00	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	< 0.1	< 390	< 390	< 390	< 390	< 1.0	< 0.10	**4.9**	**228**
Sentry																					
YVS-1																					
YVS-1	YVS-1-0904	Sep 2004			**14.4**	**2.8**	< 1	< 0.08	< 0.08	< 0.04	< 0.08	**0.0437**	< 50	< 250	NA	< 500	NA	NA	NA	NA	NA
YVS-1	YVS-1-1204	Dec 2004			**14.8**	**5.46**	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**55.3**	< 500	NA	< 500	NA	NA	NA	NA	NA
YVS-1	YVS-1-0305	Mar 2005			< 5	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**89.5**	< 250	NA	< 250	NA	NA	NA	NA	NA
YVS-1	YVS-1-0605	Jun 2005			**5.28**	< 1	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
YVS-1	YVS-1-0905	Sep 2005			**15.5**	**1.92**	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
YVS-1	YVS-1-1205	Dec 2005			< **25**	**1.57**	< 5	< 0.288	< 0.0769	< 0.192	< 0.0769	< 0.192	< 50	< 240	NA	< 240	NA	NA	NA	NA	NA
YVS-1	YVS-1-0306	Mar 2006			**3.29**	< 1	< 1	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**78.4**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-1	YVS-1-0606	Jun 2006			**6.5**	**1.31**	< 0.5	< 0.0777	< 0.0777	< 0.0388	< 0.0777	< 0.0388	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
YVS-1b was installed as a replacement for YVS-1, which was decommissioned during site development in 2006.																					
YVS-1b	YVS-1b-0408	Apr 2008			**1.86**	**2.58**	< 5	< 0.283	< 0.0755	< 0.189	**0.0847**	< 0.189	< 800	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-1b	YVS-16-0608	Jun 2008			**1.91**	**2.58**	**1.86**	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**1,800**	< 236 J	NA	< 236 J	NA	NA	NA	NA	NA

Appendix B
Historical Groundwater Results

Location ID	Sample ID	Month Year	Sample Type	Chemical Name / Unit / Cleanup Level	Tetrachloro-ethylene µg/L 23.9	Arsenic µg/L 5	Benzene µg/L 5	4,4'-DDT µg/L 0.3	Aldrin µg/L	beta-BHC µg/L	Dieldrin µg/L	gamma-BHC (Lindane) µg/L	Gasoline Range Hydrocarbons µg/L 800	Diesel Range Hydrocarbons µg/L 500	Diesel Range Hydrocarbons w/SG µg/L 500	Motor Oil Range Hydrocarbons µg/L 500	Motor Oil Range Hydrocarbons w/SG µg/L 500	Fecal Coliform CFU/100 mL NA	N-Ammonia mg/L NA	Nitrogen, NO_2 plus NO_3 mg/L NA	Total Dissolved Solids mg/L NA
YVS-1b	YVS-1b-0908	Sep 2008			**27.2**	< 1	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-1b	YVS-10b-0109	Jan 2009	Duplicate		**3.2**	**1.41**	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**2,400**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0109	Jan 2009	Parent		**3.2**	**1.41**	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**2,080** J	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0109	Jan 2009	Average		**3.38**	**1.41**	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**2,240** J	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-1b	YVS-18-0309	Mar 2009	Duplicate		**2.38**	**1.35**	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**1,990**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0309	Mar 2009	Parent		**2.29**	**1.33**	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**1,920**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0309	Mar 2009	Average		**2.34**	**1.34**	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**1,955**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-1b	YVS-10b-0609	Jun 2009	Duplicate		< 1.0	**2.11**	< 1.0	NA	NA	NA	NA	NA	**1,060**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0609	Jun 2009	Parent		< 1.0	**2.24**	< 1.0	< 0.28	< 0.076	< 0.19	< 0.076	< 0.19	**1,210**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0609	Jun 2009	Average		< 1.0	**2.175**	< 1.0	< 0.28	< 0.076	< 0.19	< 0.076	< 0.19	**1,135**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0909	Sep 2009			**17**	< 2	< 1.0	**0.04**	< 0.0094	< 0.019	**0.044**	< 0.0094	< 50	< 120	NA	< 240	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-1209	Dec 2009			**3.2**	< 0.5	< 1.0	< 0.1	< 0.05 J	< 0.05	< 0.1	< 0.05	**1,190**	**780**	NA	**490**	NA	NA	NA	NA	NA
YVS-1b	YVS-1A-0310	Mar 2010	Duplicate		**1.9**	**0.88**	< 1.0	< 0.1	< 0.05 J	< 0.05	< 0.1	< 0.05	**778**	**1,100**	NA	**620**	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0310	Mar 2010	Parent		**1.9**	**0.86**	< 1.0	< 0.1	< 0.05 J	< 0.05	< 0.1	< 0.05	**757**	**1,000**	NA	**570**	NA	NA	NA	NA	NA
YVS-1b	YVS-1A-0310	Mar 2010	Average		**1.9**	**0.87**	< 1.0	< 0.1	< 0.05 J	< 0.05	< 0.1	< 0.05	**767.5**	**1,050**	NA	**595**	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0610	Jun 2010			**1**	**1.8**	**1.4**	< 0.1	< 0.05 J	< 0.05	< 0.1	< 0.05	**633**	**1,300**	NA	**480**	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0910	Sep 2010			**16.8**	< 0.5	< 1.0	**0.0752** J	< 0.05	< 0.05	< 0.1	< 0.05	< 100	**77**	< 76	< 380	< 380	NA	NA	NA	NA
YVS-1b	YVS-1b-0313	Mar 2013	Parent		**1.1**	< 0.5	**2.4**	NA	NA	NA	NA	NA	**698**	NA	NA	NA	NA	< 1.0	**1.650**	< 0.1	**2010**
YVS-1b	YVS-10b-0313	Mar 2013	Duplicate		**1.1**	< 0.5	**2.4**	NA	NA	NA	NA	NA	**614**	NA	NA	NA	NA	< 1.0	**1.350**	< 0.1	**2050**
YVS-1b	YVS-10b-0313	Mar 2013	Average		**1.1**	< 0.5	**2.4**	NA	NA	NA	NA	NA	**656**	NA	NA	NA	NA	< 1.0	**1.500**	< 0.1	**2030**
YVS-1b	YVS-1b-0913	Sep 2013	Parent		**19.3**	**0.7**	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-1b	YVS-10b-0913	Sep 2013	Duplicate		**19.5**	**0.7**	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0913	Sep 2013	Average		**19.4**	**0.7**	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0314	Mar 2014			< 1.0	**1.0**	**4.4**	NA	NA	NA	NA	NA	**1,040**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0914	Sep 2014			**30.3**	**0.78**	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0315	Mar 2015			< 1.0	**0.64**	< 1.0	NA	NA	NA	NA	NA	**585**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-1015	Oct 2015			**14.8**	**0.73**	< 2.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0316	Mar 2016			< 1.0	< 0.50	< 1.0	NA	NA	NA	NA	NA	**641**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-1b	YVS-1b-0917	Sep 2017			**13.9**	**0.91**	< 1.00	< 0.10	< 0.051	< 0.051	< 0.10	< 0.051	< 100	< 400	< 400	< 400	< 400	< 1.0	< 0.040	**11**	**462**
YVS-1b	YVS-1b-0318	Mar 2018			< 1.0	**0.78**	< 1.00	< 0.11	< 0.055	< 0.055	< 0.11	< 0.055	**171**	**680**	< 410	< 410	< 410	< 1.0	**1.900**	**0.035**	**2160**
YVS-1b	YVS-16-20200407	Apr 2020	Normal		< 1.0	**1.90**	< 1.00	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	**0.188**	**640**	< 420	< 420	< 420	< 1.0	**1.8**	< 0.10	**1890**
YVS-1b	YVS-1b-20200728	Jul 2020	Normal		< 1.0	< 0.50	< 1.00	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	**0.114**	< 390	< 390	< 390	< 390	< 1.0	**1.6**	**0.11**	**1470**
YVS-1b	YVS-1b-20201013	Oct 2020	Normal		**10.6**	**1.00**	< 1.00	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	< 0.1	< 390	< 390	< 390	< 390	< 1.0	< 0.10	**5.9**	**358**
YVS-2																					
YVS-2	YVS-2-0904	Sep 2004			**15.2**	< 1	< 1	< 0.08	< 0.08	< 0.04	< 0.08	**0.0607**	< 50	< 325	NA	< **649**	NA	NA	NA	NA	NA
YVS-2	YVS-2-1204	Dec 2004			**8.92**	**13.1**	**6.58**	< 0.3	< 0.08	< 0.2	< 0.08	**0.43**	**1,470**	**510**	NA	< 500	NA	NA	NA	NA	NA
YVS-2	YVS-2-0305	Mar 2005			< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**766**	< 250	NA	< 250	NA	NA	NA	NA	NA	NA
YVS-2	YVS-12-0605	Jun 2005	Duplicate		**8.33** J	**1.68**	**6.05** J	< 0.3	< 0.08	< 0.2	< 0.08	**0.382**	**5,450**	**913**	NA	< 250	NA	NA	NA	NA	NA
YVS-2	YVS-2-0605	Jun 2005	Parent		**8.37**	**1.71**	**6.1**	< 0.3	< 0.08	< 0.2	< 0.08	**0.368**	**5,530**	**1,230**	NA	< 250	NA	NA	NA	NA	NA
YVS-2	YVS-2-0605	Jun 2005	Average		**8.35**	**1.70**	**6.08**	< 0.3	< 0.08	< 0.2	< 0.08	**0.375**	**5,490**	**1,072**	NA	< 250	NA	NA	NA	NA	NA
YVS-2	YVS-12-0905	Sep 2005	Duplicate		**13.4**	< 1	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
YVS-2	YVS-2-0905	Sep 2005	Parent		**15.2**	< 1	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
YVS-2	YVS-2-0905	Sep 2005	Average		**14.3**	< 1	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
YVS-2	YVS-2-1205	Dec 2005			< **25**	**27.7**	< 5	< 0.291	< 0.0777	< 0.194	< 0.0777	**0.379**	**2,060**	**1,240** J	NA	< 260	NA	NA	NA	NA	NA
YVS-2	YVS-20-0306	Mar 2006	Duplicate		**7.23**	< 1	**1.52**	< 0.286	< 0.0762	< 0.19	< 0.0762	**0.418**	**2,820**	< 243	NA	< 243	NA	NA	NA	NA	NA
YVS-2	YVS-2-0306	Mar 2006	Parent		**7.38**	< 1	**1.66**	< 0.291	< 0.0777	< 0.194	< 0.0777	**0.384**	**2,860**	< 240	NA	< 240	NA	NA	NA	NA	NA
YVS-2	YVS-2-0306	Mar 2006	Average		**7.31**	< 1	**1.59**	< 0.2885	< 0.07695	< 0.192	< 0.07695	**0.401**	**2,840**	< 242	NA	< 241.5	NA	NA	NA	NA	NA
YVS-2	YVS-20-0606	Jun 2006	Duplicate		**7.52**	< 1	< 0.5	< 0.0777	< 0.0777	< 0.0388	< 0.0777	**0.0419**	**50.6**	**331** J	NA	< 250	NA	NA	NA	NA	NA
YVS-2	YVS-2-0606	Jun 2006	Parent		**7.7**	< 1	< 0.5	< 0.0755	< 0.0755	< 0.0377	< 0.0755	**0.0435**	**51.4**	**427** J	NA	< 253	NA	NA	NA	NA	NA
YVS-2	YVS-2-0606	Jun 2006	Average		**7.61**	< 1	< 0.5	< 0.0766	< 0.0766	< 0.03825	< 0.0766	**0.0427**	**51.0**	**379** J	NA	< 251.5	NA	NA	NA	NA	NA
YVS-2	YVS-20-0906	Sep 2006			**6.9**	< 1	< 0.5	< 0.288	< 0.0721	< 0.192	< 0.0721	< 0.192	< 50	< 238	NA	< 476	NA	NA	NA	NA	NA
YVS-2	YVS-2-0906	Sep 2006			**6.98**	< 1	< 0.5	< 0.286	< 0.0714	< 0.19	< 0.0714	< 0.19	< 50	< 240	NA	< 481	NA	NA	NA	NA	NA
YVS-2	YVS-2-1206	Dec 2006			**9.7**	**2.2**	**1.14**	< 0.0762	< 0.0762	< 0.0381	**0.125** J	**0.475**	**1,580**	**334**	NA	< 240	NA	NA	NA	NA	NA
YVS-2																					
YVS-2	YVS-2-0507	May 2007			**11.4**	< 1	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**352**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-2	YVS-2-0408	Apr 2008			**1.54**	**7.17**	**8.54**	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**2,210**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-2	YVS-12-0608	Jun 2008	Duplicate		**11.1**	**18.6**	**5.2** J	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**491**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-2	YVS-2-0608	Jun 2008	Parent		**11.3**	**19.2**	**3.71** J	< 0.283	< 0.0755	**0.229**	< 0.0755	< 0.189	**473**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-2	YVS-2-0608	Jun 2008	Average		**11.2**	**18.9**	**4.46**	< 0.283	< 0.0755	< 0.16	< 0.08	< 0.19	**482**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-2	YVS-2-0908	Sep 2008			**13.4**	**1.2**	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**351**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-2	YVS-2-0109	Jan 2009			**11.6**	**14.4**	**2.16**	< 0.283	< 0.0755	< 0.189	< 0.0755	**0.434**	**1,480**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-2	YVS-2-0309	Mar 2009			**3.76**	**13.4**	**41.6**	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**4,390**	**339** J	NA	< 236	NA	NA	NA	NA	NA
YVS-2	YVS-2-0609	Jun 2009			**5.1**	**4.28**	**1**	NA	NA	NA	NA	NA	**332**	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-2	YVS-20-0909	Sep 2009	Duplicate		**6.9**	< 2	< 1.0	< 0.019	< 0.0094	< 0.019	**0.026**	**0.018**	< 50	**1,200**	NA	**1,300** J	NA	NA	NA	NA	NA

Appendix B
Historical Groundwater Results

Location ID	Sample ID	Month Year	Sample Type	Chemical Name Unit Cleanup Level	Tetrachloro-ethylene µg/L 23.9	Arsenic µg/L 5	Benzene µg/L 5	4,4'-DDT µg/L 0.3	Aldrin µg/L	beta-BHC µg/L	Dieldrin µg/L	gamma-BHC (Lindane) µg/L	Gasoline Range Hydrocarbons µg/L 800	Diesel Range Hydrocarbons µg/L 500	Diesel Range Hydrocarbons w/SG µg/L 500	Motor Oil Range Hydrocarbons µg/L 500	Motor Oil Range Hydrocarbons w/SG µg/L 500	Fecal Coliform CFU/100 mL NA	N-Ammonia mg/L NA	Nitrogen, NO_2 plus NO_3 mg/L NA	Total Dissolved Solids mg/L NA
YVS-2	YVS-2-0909	Sep 2009	Parent		**6.4**	< 2	< 1.0	< 0.019	< 0.0095	< 0.019	**0.024**	**0.011** J	< 50	**1,300**	NA	**1,400** J	NA	NA	NA	NA	NA
YVS-2	YVS-20-0909	Sep 2009	Average		**6.7**	< 2	< 1.0	< 0.019	< 0.0095	< 0.019	**0.025**	**0.015**	< 50	**1,250**	NA	**1,350** J	NA	NA	NA	NA	NA
YVS-2	YVS-20-1209	Dec 2009	Duplicate		**10.7**	**6.9**	< 1.0	< 0.1	< 0.05 J	< 0.05	< 0.1	**0.139**	**278**	**2,400**	NA	**1,300**	NA	NA	NA	NA	NA
YVS-2	YVS-2-1209	Dec 2009	Parent		**11.3**	**7**	< 1.0	< 0.1	< 0.05 J	< 0.05	< 0.1	**0.144**	**297**	**2,100**	NA	**1,200**	NA	NA	NA	NA	NA
YVS-2	YVS-2-1209	Dec 2009	Average		**11**	**7.0**	< 1.0	< 0.1	< 0.05 J	< 0.05	< 0.1	**0.142**	**288**	**2,250**	NA	**1,250**	NA	NA	NA	NA	NA
YVS-2	YVS-2-0310	Mar 2010			**1.5**	**10.0**	**47.5**	< 0.1	< 0.05 J	< 0.05	< 0.1	< 0.050	**2,520**	**1,500**	NA	**500**	NA	NA	NA	NA	NA
YVS-2	YVS-20-0610	Jun 2010	Duplicate		**1.4**	**8.0**	**50.8**	< 0.1	< 0.05 J	< 0.05	< 0.1	< 0.050	**2,530**	**1,000**	NA	< 380	NA	NA	NA	NA	NA
YVS-2	YVS-2-0610	Jun 2010	Parent		**1.4**	**6.6**	**46.4**	< 0.1	< 0.05 J	< 0.05	< 0.1	< 0.050	**2,830**	**1,100**	NA	**390**	NA	NA	NA	NA	NA
YVS-2	YVS-2-0610	Jun 2010	Average		**1.4**	**7.3**	**48.6**	< 0.1	< 0.05 J	< 0.05	< 0.1	**0.050**	**2,680**	**1,050**	NA	**5,850**	NA	NA	NA	NA	NA
YVS-2	YVS-20-0910	Sep 2010	Duplicate		**7.1**	**0.59**	< 1.0	< 0.1	< 0.05	< 0.05	< 0.1	**0.0369** J	< 100	**1,600**	< 76	**1,400**	< 380	NA	NA	NA	NA
YVS-2	YVS-2-0910	Sep 2010	Parent		**6.6**	**0.56**	< 1.0	< 0.1	< 0.05	< 0.05	< 0.1	**0.0354** J	< 100	**1,500**	< 76	**1,400**	< 380	NA	NA	NA	NA
YVS-2	YVS-2-0910	Sep 2010	Average		**6.9**	**0.575**	< 1.0	< 0.1	< 0.05	< 0.05	< 0.1	**0.0362**	< 100	**1,550**	< 76	**1,400**	< 380	NA	NA	NA	NA
YVS-2	YVS-2-0313	Mar 2013			**10.1**	**0.7**	**2.8**	NA	NA	NA	NA	NA	**261**	NA	NA	NA	NA	< 1.0	< 0.100	**1.5**	**276**
YVS-2	YVS-2-0913	Sep 2013			**8.5**	< 0.5	< 1.0	NA	NA	NA	NA	NA	< 100 UJ	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-20-0314	Mar 2014	Duplicate		< 1.0	**3.2**	**3.2**	NA	NA	NA	NA	NA	**1,310** J	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-2-0314	Mar 2014	Parent		< 1.0	**3.3**	**3.4**	NA	NA	NA	NA	NA	**1,120** J	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-2-0314	Mar 2014	Average		< 1.0	**3.25**	**3.3**	NA	NA	NA	NA	NA	**1,215**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-20-0914	Sep 2014	Duplicate		**13.1**	< 0.5	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-2-0914	Sep 2014	Parent		**13.3**	< 0.5	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-2-0914	Sep 2014	Average		**13.2**	< 0.5	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-2-0315	Mar 2015	Parent		< 1.0	**2.2**	**2.4**	NA	NA	NA	NA	NA	**559**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-20-0315	Mar 2015	Duplicate		< 1.0	**2.2**	**2.6**	NA	NA	NA	NA	NA	**576**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-2-0315	Mar 2015	Average		< 1.0	**2.2**	**2.5**	NA	NA	NA	NA	NA	**568**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-2-1015	Oct 2015	Parent		**8.9**	**0.95**	**1.7**	NA	NA	NA	NA	NA	**142**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-2-1015	Oct 2015	Duplicate		**9.1**	**1.1**	**1.6**	NA	NA	NA	NA	NA	**155**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-2-1015	Oct 2015	Average		**9.0**	**1.025**	**1.65**	NA	NA	NA	NA	NA	**149**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-2-0316	Mar 2016	Parent		**2.9**	**0.56**	**5.0**	NA	NA	NA	NA	NA	**146**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-20-0316	Mar 2016	Duplicate		**3.0**	**0.53**	**4.8**	NA	NA	NA	NA	NA	**127**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-2-0316	Mar 2016	Average		**3.0**	**0.55**	**4.9**	NA	NA	NA	NA	NA	**136.5**	NA	NA	NA	NA	NA	NA	NA	NA
YVS-2	YVS-2-0917	Sep 2017	Parent		**10.8**	< 0.50	< 1.00	< 0.10	< 0.051	< 0.051	< 0.10	< 0.051	< 100	**400**	< 380	< 380	< 380	< 1.0	< 0.040	**10.4**	**451**
YVS-2	YVS-20-0917	Sep 2017	Duplicate		**10.2**	< 0.50	< 1.00	< 0.11	< 0.053	< 0.053	< 0.11	< 0.053	< 100	**420**	< 400	< 400	< 400	< 1.0	< 0.040	**9.4**	**460**
YVS-2	YVS-2-0917	Sep 2017	Average		**10.5**	< 0.50	< 1.00	< 0.10	< 0.051	< 0.051	< 0.10	< 0.051	< 100	**410**	< 400	< 400	< 400	< 1.0	< 0.040	**9.9**	**455.5**
YVS-2	YVS-2-0318	Mar 2018	Parent		< 1.0	**2.4**	**1.0**	< 0.11	< 0.053	< 0.053	< 0.11	< 0.053	**399**	**470**	< 380	< 380	< 380	< 1.0	**1.300**	**0.045**	**1030**
YVS-2	YVS-20-0318	Mar 2018	Average		< 1.0	**2.45**	**1.0**	< 0.10	< 0.052	< 0.052	< 0.10	< 0.052	**394.5**	**460**	< 394	< 394	< 394	< 1.0	**1.300**	**0.049**	**1045**
YVS-2	YVS-20-0318	Mar 2018	Duplicate		< 1.0	**2.5**	**1.0**	< 0.10	< 0.052	< 0.052	< 0.10	< 0.052	**390**	**450**	< 410	< 410	< 410	< 1.0	**1.300**	**0.052**	**1060**
YVS-2	YVS-2-20200407	Apr 2020	Normal		< 1.0	**1.9**	**3.2**	< 0.096	< 0.048	< 0.048	< 0.096	< 0.048	**0.927**	< 420	< 420	< 420	< 420	< 1.0	**1.0**	< 0.10	**996**
YVS-2	YVS-2-20200728	Jul 2020	Normal		**3.6**	**1.2**	**13.6**	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	**1.9**	**1700**	< 390	**500**	< 390	< 1.0	**0.51**	**4.9**	**505**
YVS-2	YVS-2-20201013	Oct 2020	Normal		**6.36**	**1.1**	< 1.00	< 0.095	< 0.048	< 0.048	**0.12**	**0.13**	< 0.1	**1800**	< 390	**590**	< 390	< 1.0	**0.10**	**1.7**	**531**
Compliance																					
YS-1																					
YS-1	YS-1-0904	Sep 2004			**1.81**	**1.76**	< 1.0	< 0.08	< 0.08	< 0.04	< 0.08	< 0.04	< 50	< 250	NA	< 500	NA	NA	NA	NA	NA
YS-1	YS-1-1204	Dec 2004			< 5	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 500	NA	< 500	NA	NA	NA	NA	NA
YS-1	YS-1-0305	Mar 2005			< 5	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
YS-1	YS-1-0605	Jun 2005			< 5	**1.41**	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
YS-1	YS-1-0905	Sep 2005			< 5	< 1	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
YS-1	YS-1-1205	Dec 2005			< **25**	**2.13**	< 5	< 0.291	< 0.0777	< 0.194	< 0.0777	< 0.194	**126**	< 240	NA	< 240	NA	NA	NA	NA	NA
YS-1	YS-1-0306	Mar 2006			< 1	**1.68**	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**66.4**	< 240	NA	< 240	NA	NA	NA	NA	NA
YS-1	YS-1-0606	Jun 2006			**0.71**	< 1	< 0.5	< 0.0755	< 0.0755	< 0.0377	< 0.0755	< 0.0377	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
YS-1	YS-1-0906	Sep 2006			**6.18**	**1.3**	< 0.5	< 0.291	< 0.0728	< 0.194	< 0.0728	< 0.194	< 50	< 245	NA	< 490	NA	NA	NA	NA	NA
YS-1	YS-1-1206	Dec 2006			**2.88**	**1.58**	< 0.5	< 0.0762	< 0.0762	< 0.0381	< 0.0762	< 0.0381	**81.5**	< 236	NA	< 236	NA	NA	NA	NA	NA
YS-1	YS-1-0507	May 2007			< 5	< 1	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YS-1	YS-1-0408	Apr 2008			**1**	**2**	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 800	< 236	NA	< 236	NA	NA	NA	NA	NA
YS-1	YS-1-0608	Jun 2008			**1.61**	< 1	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YS-1	YS-1-0908	Sep 2008			< 1.0	< 1	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YS-1	YS-1-0309	Mar 2009			< 1.0	**1.61**	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YS-1	YS-1-0909	Sep 2009			< 1.0	< 2	< 1.0	< 0.019	< 0.0094	< 0.019	< 0.019	< 0.0094	< 50	< 120	NA	< 240	NA	NA	NA	NA	NA
YS-1	YS-1-0310	Mar 2010			**1.3**	**1.8**	< 1.0	< 0.1	< 0.05 J	< 0.05	< 0.1	< 0.05	< 50	**310**	NA	< 380	NA	NA	NA	NA	NA
YS-1	YS-1-0910	Sep 2010			< 1	**0.61**	< 1.0	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 100	< 76	NA	< 380	NA	NA	NA	NA	NA
YS-1	YS-1-0313	Mar 2013			**1.7**	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	< 1.0	< 0.100	**2.2**	**197**
YS-1	YS-1-0913	Sep 2013			**1.2**	**0.50**	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YS-1	YS-1-0314	Mar 2014			< 1.0	**1.80**	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YS-1	YS-1-0914	Sep 2014			< 1.0	**0.58**	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YS-1	YS-1-0315	Mar 2015			< 1.0	**1.60**	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YS-1	YS-1-1015	Oct 2015			< 1.0	**1.60**	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B
Historical Groundwater Results

Location ID	Sample ID	Month Year	Chemical Name Unit Cleanup Level Sample Type	Tetrachloro-ethylene µg/L 23.9	Arsenic µg/L 5	Benzene µg/L 5	4,4'-DDT µg/L 0.3	Aldrin µg/L	beta-BHC µg/L	Dieldrin µg/L	gamma-BHC (Lindane) µg/L	Gasoline Range Hydrocarbons µg/L 800	Diesel Range Hydrocarbons µg/L 500	Diesel Range Hydrocarbons w/SG µg/L 500	Motor Oil Range Hydrocarbons µg/L 500	Motor Oil Range Hydrocarbons w/SG µg/L 500	Fecal Coliform CFU/100 mL NA	N-Ammonia mg/L NA	Nitrogen, NO_2 plus NO_3 mg/L NA	Total Dissolved Solids mg/L NA
YS-1	YS-1-0316	Mar 2016		< 1.0	**1.80**	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YS-1	YS-1-0917	Sep 2017		**1.26**	**0.56**	< 1.00	< 0.10	< 0.051	< 0.051	< 0.10	< 0.051	< 100	< 400	< 400	< 400	< 400	< 1.0	< 0.040	**6.9**	**271**
YS-1	YS-1-0318	Mar 2018		< 1.0	NA	< 1.00	NA	NA	NA	NA	NA	< 100	< 450	< 450	< 450	< 450	< 1.0	**0.92**	**1.3**	NA
YS-1	YS-1-20200108	Jan 2020	Normal	< 1.0	**2.0**	< 1.0	< 0.094	< 0.047	< 0.047	< 0.094	< 0.047	< 0.1	< 380	< 380	< 380	< 380	< 1.0	**0.6**	< 0.10	**834**
YS-1	YS-1-20200728	Jul 2020	Normal	< 1.0	**0.50**	< 1.0	< 0.095	< 0.047	< 0.047	< 0.095	< 0.047	< 0.1	< 380	< 380	< 380	< 380	< 1.0	< 0.1	**4.3**	**278**
YS-1	YS-1-20201013	Oct 2020	Normal	< 1.00	**0.64**	< 1.00	< 0.10	< 0.051	< 0.051	< 0.10	< 0.051	< 0.1	< 390	< 390	< 390	< 390	< 1.0	< 0.1	**1.9**	**185**
MW-6																				
MW-6	MW-6-0904	Sep 2004		**2.28**	< 1	**3.13**	< 0.08	< 0.08	< 0.04	< 0.08	< 0.04	**92.4**	< 250	NA	< 500	NA	NA	NA	NA	NA
MW-6	MW-6-1204	Dec 2004		< 5	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**114**	< 500	NA	< 500	NA	NA	NA	NA	NA
MW-6	MW-6-0305	Mar 2005		< 5	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**97.3**	< 250	NA	< 250	NA	NA	NA	NA	NA
MW-6	MW-6-0605	Jun 2005		< 5	< 1	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**74**	< 250	NA	< 250	NA	NA	NA	NA	NA
MW-6	MW-6-0905	Sep 2005		< 5	< 1	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**106**	< 250	NA	< 250	NA	NA	NA	NA	NA
MW-6	MW6-1205	Dec 2005		< **25**	< 1	< 5	< 0.288	< 0.0769	< 0.192	< 0.0769	< 0.192	**68.6**	< 238	NA	< 238	NA	NA	NA	NA	NA
MW-6																				
MW-6	MW-6-0306	Mar 2006		**1.95**	< 1	< 1	< 0.291	< 0.0777	< 0.194	< 0.0777	< 0.194	< 50	< 240	NA	< 240	NA	NA	NA	NA	NA
MW-6	MW-6-0606	Jun 2006		**2.61**	< 1	< 0.5	< 0.0769	< 0.0769	< 0.0385	< 0.0769	< 0.0385	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
MW-6	MW-6-0906	Sep 2006		**10.2**	< 1	< 0.5	< 0.288	< 0.0721	< 0.192	< 0.0721	< 0.192	< 50	< 243 J	NA	< 485 J	NA	NA	NA	NA	NA
MW-6	MW-6-1206	Dec 2006		**7.23**	< 1	< 0.5	< 0.0755	< 0.0755	< 0.0377	< 0.0755	< 0.0377	< 50	< 243	NA	< 243	NA	NA	NA	NA	NA
MW-6	MW-6-0507	May 2007		< 5	< 1	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 263	NA	< 263	NA	NA	NA	NA	NA
MW-6	MW-6-0408	Apr 2008		< 1.0	< 1	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 800	< 236	NA	< 236	NA	NA	NA	NA	NA
MW-6	MW-6-0608	Jun 2008		**2.76**	< 1	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
MW-6	MW-6-0908	Sep 2008		**4.56**	< 1	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
MW-6	MW-6-0309	Mar 2009		< 1.0	< 1	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	**79.7**	< 236	NA	< 236	NA	NA	NA	NA	NA
MW-6	MW-6-0909	Sep 2009		**5**	< 2	< 1.0	< 0.019	< 0.0094	< 0.019	< 0.019	< 0.0094	< 50	**1,100**	NA	**1,200** J	NA	NA	NA	NA	NA
MW-6	MW-6-1209	Dec 2009		NA	NA	NA	NA	NA	NA	NA	NA	NA	**220**	NA	< 380	NA	NA	NA	NA	NA
MW-6	MW-6-0310	Mar 2010		**1.1**	< 0.50	< 1.0	< 0.1	< 0.05 J	< 0.05	< 0.1	< 0.05	**90.1**	**320**	NA	< 380	NA	NA	NA	NA	NA
MW-6	MW-6-0910	Sep 2010		**3.9**	< 0.50	< 1.0	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 100	**1200**	< 76	**1200**	< 380	NA	NA	NA	NA
MW-6	MW-6-0313	Mar 2013		**1.0**	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	< 1.0	< 0.100	**2.2**	**200**
MW-6	MW-6-0913	Sep 2013		**6.2**	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	MW-6-0314	Mar 2014		< 1.0	< 0.50	< 1.0	NA	NA	NA	NA	NA	**155** J	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	MW-6-0914	Sep 2014		**5.7**	< 0.50	< 1.0 UJ	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	MW-6-0315	Mar 2015		< 1.0	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	MW-6-1015	Oct 2015		**2.4** J	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	MW-6-0316	Mar 2016		**1.2**	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	MW-6-0917	Sep 2017		**5.25**	< 0.50	< 1.00	< 0.100	< 0.051	< 0.051	< 0.100	< 0.051	< 100	**670**	< 390	**460**	< 390	< 1.0	< 0.040	**6.6**	**538**
MW-6	MW-6-0318	Mar 2018		**1.0**	< 0.50	< 1.00	< 0.110	< 0.054	< 0.054	< 0.110	< 0.054	< 100	< 400	< 400	< 400	< 400	< 1.0	**0.650**	**0.23**	**853**
MW-6	MW-6-20200109	Jan 2020	Normal	< 1.0	< 0.50	< 1.0	< 0.11	< 0.056	< 0.056	< 0.11	< 0.056	< 0.1	< 380	< 380	< 380	< 380	< 1.0	< 0.10	**0.40**	**696**
MW-6	MW-6-20200407	Apr 2020	Normal	< 1.0	**0.94**	< 1.0	< 0.100	< 0.050	< 0.050	< 0.10	< 0.050	< 0.1	< 420	< 420	< 420	< 420	< 1.0	**0.60**	**0.15**	**1050**
MW-6	MW-6-20200729	Jul 2020	Normal	**1.0**	< 0.50	< 1.0	< 0.094	< 0.047	< 0.047	< 0.094	< 0.047	< 0.1	< 400	< 400	< 400	< 400	< 1.0	< 0.10	**2.4**	**586**
MW-6	MW-6-20201014	Oct 2020	Normal	**1.86**	< 0.50	< 1.00	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	< 0.1	< 390	< 390	< 390	< 390	< 1.0	< 0.10	**3.4**	**542**
YVS-3																				
YVS-3	YVS-30-0904	Sep 2004	Duplicate	**3.36**	< 1	**8.61**	< 0.08	< 0.08	< 0.04	< 0.08	< 0.04	**99.7**	< 250	NA	< 500	NA	NA	NA	NA	NA
YVS-3	YVS-3-0904	Sep 2004	Parent	**3.34**	< 1	**9.6**	< 0.08	< 0.08	< 0.04	< 0.08	< 0.04	**88.4**	< 250	NA	< 500	NA	NA	NA	NA	NA
YVS-3	YVS-3-0904	Sep 2004	Average	**3.35**	< 1	**9.11**	< 0.08	< 0.08	< 0.04	< 0.08	< 0.04	**94.1**	< 250	NA	< 500	NA	NA	NA	NA	NA
YVS-3	YVS-30-1204	Dec 2004	Duplicate	**6.56**	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**124**	< 500	NA	< 500	NA	NA	NA	NA	NA
YVS-3	YVS-3-1204	Dec 2004	Parent	**6.66**	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**120**	< 500	NA	< 500	NA	NA	NA	NA	NA
YVS-3	YVS-3-1204	Dec 2004	Average	**6.61**	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**122**	< 500	NA	< 500	NA	NA	NA	NA	NA
YVS-3	YVS-13-0305	Mar 2005	Duplicate	< 5	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**258**	< 250	NA	< 250	NA	NA	NA	NA	NA
YVS-3	YVS-3-0305	Mar 2005	Parent	< 5	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**262**	< 250	NA	< 250	NA	NA	NA	NA	NA
YVS-3	YVS-3-0305	Mar 2005	Average	< 5	< 5	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**260**	**250**	NA	< 250	NA	NA	NA	NA	NA
YVS-3	YVS-3-0605	Jun 2005		< 5	< 1	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**83.1**	< 250	NA	< 250	NA	NA	NA	NA	NA
YVS-3	YVS-3-0905	Sep 2005		< 5	< 1	**13**	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**240**	< 250	NA	< 250	NA	NA	NA	NA	NA
YVS-3	YVS-30-1205	Dec 2005	Duplicate	< **25**	< 1	< 5	< 0.288	< 0.0769	< 0.192	< 0.0769	< 0.192	**152**	< 238	NA	< 238	NA	NA	NA	NA	NA
YVS-3	YVS-3-1205	Dec 2005	Parent	< **25**	< 1	< 5	< 0.288	< 0.0769	< 0.192	< 0.0769	< 0.192	**185**	< 240	NA	< 240	NA	NA	NA	NA	NA
YVS-3	YVS-3-1205	Dec 2005	Average	< **25**	< 1	< 5	< 0.288	< 0.0769	< 0.192	< 0.0769	< 0.192	**168.5**	< 239	NA	< 239	NA	NA	NA	NA	NA
YVS-3	YVS-3-0306	Mar 2006		**1.53**	< 1	< 1	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-3	YVS-3-0606	Jun 2006		**3.55**	< 1	**0.64**	< 0.0769	< 0.0769	< 0.0385	< 0.0769	< 0.0385	< 50	< 250	NA	< 250	NA	NA	NA	NA	NA
YVS-3	YVS-3-0906	Sep 2006		**7.89**	< 1	**5.35**	< 0.283	< 0.0708	< 0.189	< 0.0708	< 0.189	**87.3**	< 240	NA	< 481	NA	NA	NA	NA	NA
YVS-3	YVS-3-1206	Dec 2006		**10.7**	< 1	**0.86**	< 0.0755	< 0.0755	< 0.0377	< 0.0755	< 0.0377	**93.2**	< 238	NA	< 238	NA	NA	NA	NA	NA
YVS-3	YVS-3-0507	May 2007		< 5	< 1	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-3	YVS-13-0408	Apr 2008	Duplicate	**2.75**	< 1	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 800	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-3	YVS-3-0408	Apr 2008	Parent	**2.79**	< 1	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 800	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-3	YVS-3-0408	Apr 2008	Average	**2.77**	< 1	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 800	< 236	NA	> **236**	NA	NA	NA	NA	NA
YVS-3	YVS-3-0608	Jun 2008		**1.11**	< 1	< 1	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA

Appendix B
Historical Groundwater Results

Location ID	Sample ID	Month Year	Sample Type	Chemical Name Unit Cleanup Level	Tetrachloro-ethylene µg/L 23.9	Arsenic µg/L 5	Benzene µg/L 5	4,4'-DDT µg/L 0.3	Aldrin µg/L	beta-BHC µg/L	Dieldrin µg/L	gamma-BHC (Lindane) µg/L	Gasoline Range Hydrocarbons µg/L 800	Diesel Range Hydrocarbons µg/L 500	Diesel Range Hydrocarbons w/SG µg/L 500	Motor Oil Range Hydrocarbons µg/L 500	Motor Oil Range Hydrocarbons w/SG µg/L 500	Fecal Coliform CFU/100 mL NA	N-Ammonia mg/L NA	Nitrogen, NO_2 plus NO_3 mg/L NA	Total Dissolved Solids mg/L NA
YVS-3	YVS-130-0908	Sep 2008	Duplicate		**4.8**	< 1	**2.09**	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-3	YVS-3-0908	Sep 2008	Parent		**4.35**	< 1	**1.74**	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-3	YVS-3-0908	Sep 2008	Average		**4.58**	< 1	**1.92**	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-3	YVS-3-0109	Jan 2009			NA	NA	< 1.0	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3	YVS-3-0309	Mar 2009			< 1.0	< 1	< 1.0	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-3	YVS-3-0609	Jun 2009			NA	NA	< 1.0	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3	YVS-3-0909	Sep 2009			**1.6**	< 2	< 1.0	< 0.019	< 0.0094	< 0.019	< 0.019	< 0.0094	< 50	**980** J	NA	**820** J	NA	NA	NA	NA	NA
YVS-3	YVS-3-1209	Dec 2009			NA	NA	< 1.0	NA	NA	NA	NA	NA	< 50	**92**	NA	< 380	NA	NA	NA	NA	NA
YVS-3	YVS-3-0310	Mar 2010			**1.3**	< 0.50	< 1.0	< 0.1	< 0.05 J	< 0.05	< 0.1	< 0.05	< 50	< 75	NA	< 380	NA	NA	NA	NA	NA
YVS-3	YVS-3-0610	Jun 2010			NA	NA	< 1.0	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3	YVS-3-0910	Sep 2010			**1.8**	< 0.50	**1.1**	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 50	**760**	NA	**610**	NA	NA	NA	NA	NA
YVS-3	YVS-3-0313	Mar 2013			< 1.0	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	< 1.0	< 0.100	**1.6**	**130**
YVS-3	YVS-3-0913	Sep 2013			**1.5**	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3	YVS-3-0314	Mar 2014			< 1.0	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3	YVS-3-0914	Sep 2014			**1.4**	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100 UJ	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3	YVS-3-0315	Mar 2015			< 1.0	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3	YVS-3-1015	Oct 2015			**3.0**	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3	YVS-3-0316	Mar 2016			**1.8**	< 0.50	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3	YVS-3-0917	Sep 2017			**1.72**	< 0.50	< 1.00	< 0.10	< 0.052	< 0.052	< 0.10	< 0.052	< 100	**500**	< 390	< 390	< 390	< 1.0	< 0.040	**6.1**	**378**
YVS-3	YVS-3-0318	Mar 2018			**1.5**	< 0.50	< 1.00	< 0.10	< 0.050	< 0.050	< 0.10	< 0.050	< 100	< 400	< 400	< 410	< 400	< 1.0	< 0.040	**0.86**	**306**
YVS-3	YVS-3-20200109	Jan 2020	Normal		**1.1**	< 0.50	< 1.0	< 0.094	< 0.047	< 0.047	< 0.094	< 0.047	< 0.1	< 400	< 400	< 400	< 400	< 1.0	< 0.10	**2.8**	**270**
YVS-3	YVS-3-20200408	Apr 2020	Normal		< 1.0	< 0.50	< 1.0	< 0.10	< 0.050	< 0.050	< 0.10	< 0.050	< 0.1	< 420	< 420	< 420	< 420	< 1.0	< 0.10	**2.5**	**225**
YVS-3	YVS-3-20200728	Jul 2020	Normal		< 1.0	< 0.50	< 1.0	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	< 0.1	< 390	< 390	< 390	< 390	< 1.0	< 0.10	**4.7**	**142**
YVS-3	YVS-3-20201013	Oct 2020	Normal		**1.69**	< 0.50	< 1.00	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	< 0.1	**560**	< 390	< 390	< 390	< 1.0	< 0.10	**4.1**	**411**
YVS-3-60																					
YVS-3-60	YVS-3-60-0904	Sep 2004			**20.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-1204	Dec 2004			**20.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0305	Mar 2005			**11.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0605	Jun 2005			**11.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0905	Sep 2005			**21.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-1205	Dec 2005			< **25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0306	Mar 2006			**11.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0606	Jun 2006			**10.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0906	Sep 2006			**17.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-1206	Dec 2006			**18.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0507	May 2007			**8.34**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0408	Apr 2008			**9.87**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0608	Jun 2008			**7.58**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0908	Sep 2008			**28**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0309	Mar 2009			**10.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0909	Sep 2009			**19**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0310	Mar 2010			**7.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0910	Sep 2010			**20.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0313	Mar 2013			**10.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.100	**2.3**	**413**
YVS-3-60	YVS-3-60-0913	Sep 2013			**21.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0314	Mar 2014			**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0914	Sep 2014			**32.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0315	Mar 2015			**12.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-1015	Oct 2015			**16.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0316	Mar 2016			**10.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-60	YVS-3-60-0917	Sep 2017			**16**	**0.65**	< 1.00	< 0.10	< 0.052	< 0.052	< 0.10	< 0.052	< 100	< 390	< 390	< 390	< 390	< 1.0	< 0.040	**6.1**	**313**
YVS-3-60	YVS-3-60-0318	Mar 2018			**10.1**	**0.63**	< 1.00	< 0.10	< 0.051	< 0.051	< 0.10	< 0.051	< 100	< 380	< 380	< 410	< 380	< 1.0	< 0.040	**4.7**	**303**
YVS-3-60	YVS-3-60-20200109	Jan 2020	Normal		**11.7**	**0.66**	< 1.0	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	< 0.10	< 380	< 380	< 380	< 380	< 1.0	< 0.10	**4.5**	**299**
YVS-3-60	YVS-3-60-20200408	Apr 2020	Normal		**8.6**	**0.67**	< 1.0	< 0.100	< 0.051	< 0.051	< 0.10	< 0.051	< 0.10	< 380	< 380	< 380	< 380	< 1.0	< 0.10	**4.4**	**188**
YVS-3-60	YVS-3-60-20200729	Jul 2020	Normal		**9.5**	**0.70**	< 1.0	< 0.094	< 0.047	< 0.047	< 0.094	< 0.047	< 0.10	< 420	< 420	< 420	< 420	< 1.0	< 0.10	**4.4**	**218**
YVS-3-60	YVS-3-60-20201013	Oct 2020	Normal		**17.4**	**0.70**	< 1.00	< 0.10	< 0.050	< 0.050	< 0.10	< 0.050	< 0.10	< 390	< 390	< 390	< 390	< 1.0	< 0.10	**4.2**	**240**
YVS-3-90																					
YVS-3-90	YVS-3-90-0904	Sep 2004			< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-1204	Dec 2004			< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0305	Mar 2005			< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0605	Jun 2005			< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0905	Sep 2005			< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-1205	Dec 2005			< **25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0306	Mar 2006			< 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix B
Historical Groundwater Results

Location ID	Sample ID	Month Year	Sample Type	Chemical Name Unit Cleanup Level	Tetrachloro-ethylene µg/L 23.9	Arsenic µg/L 5	Benzene µg/L 5	4,4'-DDT µg/L 0.3	Aldrin µg/L	beta-BHC µg/L	Dieldrin µg/L	gamma-BHC (Lindane) µg/L	Gasoline Range Hydrocarbons µg/L 800	Diesel Range Hydrocarbons µg/L 500	Diesel Range Hydrocarbons w/SG µg/L 500	Motor Oil Range Hydrocarbons µg/L 500	Motor Oil Range Hydrocarbons w/SG µg/L 500	Fecal Coliform CFU/100 mL NA	N-Ammonia mg/L NA	Nitrogen, NO_2 plus NO_3 mg/L NA	Total Dissolved Solids mg/L NA
YVS-3-90	YVS-3-90-0606	Jun 2006			**0.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0906	Sep 2006			< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-1206	Dec 2006			< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0507	May 2007	Parent		< 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-13-0507	May 2007	Duplicate		< 5	< 1	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0507	May 2007	Average		< 5	< 1	< 5	< 0.283	< 0.0755	< 0.189	< 0.0755	< 0.189	< 50	< 236	NA	< 236	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0408	Apr 2008			< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0608	Jun 2008			< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0908	Sep 2008			< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0309	Mar 2009			< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0909	Sep 2009			< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0310	Mar 2010			**1.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0910	Sep 2010			< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0313	Mar 2013			< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 0.100	**2.5**	**182**
YVS-3-90	YVS-3-90-0913	Sep 2013			< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0314	Mar 2014			< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0914	Sep 2014			< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0315	Mar 2015			**1.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-1015	Oct 2015			**1.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0316	Mar 2016			**1.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
YVS-3-90	YVS-3-90-0917	Sep 2017			**1.85**	**1.0**	< 1.00	< **0.52**	< 0.26	< 0.260	< 0.52	< 0.260	< 100	< 390	< 390	< 390	< 390	< 1.0	< 0.040	**2.9**	**199**
YVS-3-90	YVS-3-90-0318	Mar 2018			**1.8**	**0.96**	< 1.00	< 0.10	< 0.051	< 0.051	< 0.10	< 0.051	< 100	< 380	< 380	< 410	< 380	< 1.0	< 0.040	**2.8**	**187**
YVS-3-90	YVS-3-90-20200109	Jan 2020	Normal		**1.4**	**1.1**	< 1.0	< 0.096	< 0.048	< 0.048	< 0.096	< 0.048	< 0.10	< 380	< 380	< 380	< 380	< 1.0	< 0.10	**3.2**	**193**
YVS-3-90	YVS-3-90-20200407	Apr 2020	Normal		**1.2**	**0.57**	< 1.0	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	< 0.10	< 420	< 420	< 420	< 420	< 1.0	< 0.10	**3.4**	**198**
YVS-3-90	YVS-3-90-20200729	Jul 2020	Normal		**1.6**	**0.91**	< 1.0	< 0.094	< 0.047	< 0.047	< 0.094	< 0.047	< 0.10	< 380	< 380	< 380	< 380	< 1.0	< 0.10	**3.5**	**206**
YVS-3-90	YVS-3-90-20201014	Oct 2020	Normal		**2.13**	**0.88**	< 1.00	< 0.095	< 0.048	< 0.048	< 0.095	< 0.048	< 0.10	< 390	< 390	< 390	< 390	< 1.0	< 0.10	**3.2**	**211**
Other																					
MW-5	MW-5-0904	Sep 2004			**2.11**	< **10**	< 1.0	< 0.08	< 0.08	< 0.04	< 0.08	< 0.04	< 50	< 250	NA	< 500	NA	NA	NA	NA	NA
MW-8	MW-8-0904	Sep 2004			< 1.0	< 2.2	< 1.0	< 0.08	< 0.08	< 0.04	< 0.08	< 0.04	< 50	< 250	NA	< 500	NA	NA	NA	NA	NA
MW-9	MW-9-0904	Sep 2004			< 1.0	< 1	< 1.0	< 0.08	< 0.08	< 0.04	< 0.08	< 0.04	< 50	< 250	NA	< 500	NA	NA	NA	NA	NA
YS-2	YS-2-0904	Sep 2004			< 1.0	< 1	< 1.0	< 0.08	< 0.08	< 0.04	< 0.08	< 0.04	< 50	< 250	NA	< 500	NA	NA	NA	NA	NA
FieldQC	TB-0309	Mar 2009	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0609	Jun 2009	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0909	Sep 2009	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-1209	Dec 2009	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0310	Mar 2010	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0610	Jun 2010	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 50	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0910	Sep 2010	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0313	Mar 2013	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0913	Sep 2013	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0314	Mar 2014	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0914	Sep 2014	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0315	Mar 2015	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 99	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-1015	Oct 2015	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0316	Mar 2016	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0917	Sep 2017	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0316	Mar 2016	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-0318	Mar 2018	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-20201013	Jan 2020	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-20200408	Apr 2020	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-20200728	Jul 2020	TB		< 1.0	NA	< 1.0	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA
FieldQC	TB-20201013	Oct 2020	TB		< 1.0	NA	< 1.00	NA	NA	NA	NA	NA	< 100	NA	NA	NA	NA	NA	NA	NA	NA

NA - Not applicable
J - Estimated concentration
UJ - Undetected, reporting limit is estimated
TB - Trip blank
Bold - Detection
Bold & Shaded - Cleanup level exceedance
Bold & Blue - Cleanup level exceedance by detection limit for non-detects
PCE Action Level based on background PCE concentration statistical calculation last updated September 2014.
YVS-1b was installed as a replacement for YVS-1, which was decommissioned during site development in 2006.

Appendix C
Laboratory Data Reports

Quarter 1

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

April 12, 2022

Nik Bacher
Anchor QEA, LLC
720 Olive Way
Suite 1900
Seattle, WA 98101

RE: Project: Yakima Valley Spray
Pace Project No.: 10602384

Dear Nik Bacher:

Enclosed are the analytical results for sample(s) received by the laboratory on March 29, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Cindy Fields, Anchor QEA, LLC
Anchor QEA QA representative, Anchor QEA, LLC
Halah Voges, Anchor QEA, LLC

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: Yakima Valley Spray
Pace Project No.: 10602384

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: Yakima Valley Spray
Pace Project No.: 10602384

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10602384001	**YVS-1B-20220328**	Water	03/28/22 09:40	03/29/22 08:50
10602384002	**YVS-2-20220328**	Water	03/28/22 11:10	03/29/22 08:50
10602384003	**YVS-3-20220328**	Water	03/28/22 08:30	03/29/22 08:50
10602384004	**TB-20220328**	Water	03/28/22 07:00	03/29/22 08:50
10602384005	**YVS-201-20220328**	Water	03/28/22 11:15	03/29/22 08:50

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: Yakima Valley Spray
Pace Project No.: 10602384

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10602384001	**YVS-1B-20220328**	NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Gx	TM2	2	PASI-M
		EPA 200.8	NN2	1	PASI-M
		EPA 8260D	NMB	4	PASI-M
10602384002	**YVS-2-20220328**	EPA 8081B	AC2	7	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Gx	TM2	2	PASI-M
		EPA 200.8	NN2	1	PASI-M
		EPA 8260D	NMB	5	PASI-M
10602384003	**YVS-3-20220328**	NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	EB3	4	PASI-M
10602384004	**TB-20220328**	EPA 8260D	NMB	5	PASI-M
10602384005	**YVS-201-20220328**	EPA 8081B	AC2	7	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Gx	TM2	2	PASI-M
		EPA 200.8	NN2	1	PASI-M
		EPA 8260D	NMB	5	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10602384

Method: **EPA 8081B**
Description: 8081B GCS Pesticides
Client: Anchor QEA, LLC
Date: April 12, 2022

General Information:
2 samples were analyzed for EPA 8081B by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA Mod. 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10602384

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS LV
Client: Anchor QEA, LLC
Date: April 12, 2022

General Information:
4 samples were analyzed for NWTPH-Dx by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA Mod. 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 806179

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10602384002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4279262)
  - Diesel Fuel Range
  - Motor Oil Range

Additional Comments:

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10602384

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS Silica Gel LV
Client: Anchor QEA, LLC
Date: April 12, 2022

General Information:
4 samples were analyzed for NWTPH-Dx by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA Mod. 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 806178

S0: Surrogate recovery outside laboratory control limits.

- YVS-201-20220328 (Lab ID: 10602384005)
  - n-Triacontane (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 806178

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10602384002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4279258)
  - Diesel Fuel Range SG

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10602384

Method: **NWTPH-Gx**
Description: NWTPH-Gx GCV
Client: Anchor QEA, LLC
Date: April 12, 2022

General Information:
3 samples were analyzed for NWTPH-Gx by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10602384

Method: **EPA 200.8**
Description: 200.8 MET ICPMS, Dissolved
Client: Anchor QEA, LLC
Date: April 12, 2022

General Information:
3 samples were analyzed for EPA 200.8 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10602384

Method: **EPA 8260D**
Description: 8260D VOC
Client: Anchor QEA, LLC
Date: April 12, 2022

General Information:
4 samples were analyzed for EPA 8260D by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 806553

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10602384002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4281254)
  - Benzene

Additional Comments:

Batch Comments:

The continuing calibration verification was below the method acceptance limit for bromomethane. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
- QC Batch: 806553

The continuing calibration verification was above the method acceptance limit for diethyl ether, methyl-tert-butyl-ether, trans-1,3-dichloropropene, dibromochloromethane, 1,2,4-trichlorobenzene, hexachloro-1,3-butadiene, naphthalene, and 1,2,3-trichlorobenzene. Any detection for the analyte in the associated samples may have a high bias.
- QC Batch: 806553

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10602384

Method: **EPA 8260D**
Description: 8260D VOC
Client: Anchor QEA, LLC
Date: April 12, 2022

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10602384

Sample: YVS-1B-20220328 **Lab ID: 10602384001** Collected: 03/28/22 09:40 Received: 03/29/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range	ND	mg/L	0.40	1	03/29/22 15:18	03/30/22 12:16	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	03/29/22 15:18	03/30/22 12:16		
Surrogates								
o-Terphenyl (S)	67	%.	50-150	1	03/29/22 15:18	03/30/22 12:16	84-15-1	
n-Triacontane (S)	53	%.	50-150	1	03/29/22 15:18	03/30/22 12:16		
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range SG	ND	mg/L	0.40	1	04/06/22 00:00	04/11/22 16:08	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	04/06/22 00:00	04/11/22 16:08	64742-65-0	
Surrogates								
o-Terphenyl (S)	63	%.	50-150	1	04/06/22 00:00	04/11/22 16:08	84-15-1	
n-Triacontane (S)	53	%.	50-150	1	04/06/22 00:00	04/11/22 16:08		
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis							
TPH as Gas	ND	ug/L	100	1		03/30/22 17:14		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	90	%.	50-150	1		03/30/22 17:14	98-08-8	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.74**	ug/L	0.50	1	03/31/22 05:53	04/01/22 16:07	7440-38-2	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Tetrachloroethene	ND	ug/L	1.0	1		03/31/22 11:56	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	103	%.	75-125	1		03/31/22 11:56	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		03/31/22 11:56	460-00-4	
Toluene-d8 (S)	106	%.	75-125	1		03/31/22 11:56	2037-26-5	

Sample: YVS-2-20220328 **Lab ID: 10602384002** Collected: 03/28/22 11:10 Received: 03/29/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081B GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Aldrin	ND	ug/L	0.053	1	03/30/22 16:23	04/01/22 19:30	309-00-2	
beta-BHC	ND	ug/L	0.053	1	03/30/22 16:23	04/01/22 19:30	319-85-7	
gamma-BHC (Lindane)	ND	ug/L	0.053	1	03/30/22 16:23	04/01/22 19:30	58-89-9	
4,4'-DDT	ND	ug/L	0.11	1	03/30/22 16:23	04/01/22 19:30	50-29-3	
Dieldrin	ND	ug/L	0.11	1	03/30/22 16:23	04/01/22 19:30	60-57-1	
Surrogates								
Tetrachloro-m-xylene (S)	81	%.	55-125	1	03/30/22 16:23	04/01/22 19:30	877-09-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10602384

Sample: YVS-2-20220328 **Lab ID: 10602384002** Collected: 03/28/22 11:10 Received: 03/29/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081B GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Surrogates								
Decachlorobiphenyl (S)	63	%.	30-137	1	03/30/22 16:23	04/01/22 19:30	2051-24-3	
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**0.67**	mg/L	0.40	1	03/29/22 15:18	03/30/22 12:27	68334-30-5	M1
Motor Oil Range	ND	mg/L	0.40	1	03/29/22 15:18	03/30/22 12:27		M1
Surrogates								
o-Terphenyl (S)	59	%.	50-150	1	03/29/22 15:18	03/30/22 12:27	84-15-1	
n-Triacontane (S)	52	%.	50-150	1	03/29/22 15:18	03/30/22 12:27		
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range SG	ND	mg/L	0.40	1	04/06/22 00:00	04/11/22 15:13	68334-30-5	M1
Motor Oil Range SG	ND	mg/L	0.40	1	04/06/22 00:00	04/11/22 15:13	64742-65-0	
Surrogates								
o-Terphenyl (S)	55	%.	50-150	1	04/06/22 00:00	04/11/22 15:13	84-15-1	
n-Triacontane (S)	50	%.	50-150	1	04/06/22 00:00	04/11/22 15:13		
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis							
TPH as Gas	**1110**	ug/L	100	1		03/30/22 17:30		GO
Surrogates								
a,a,a-Trifluorotoluene (S)	93	%.	50-150	1		03/30/22 17:30	98-08-8	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**2.8**	ug/L	0.50	1	03/31/22 05:53	04/01/22 16:14	7440-38-2	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Benzene	**8.9**	ug/L	1.0	1		03/31/22 12:10	71-43-2	M1
Tetrachloroethene	ND	ug/L	1.0	1		03/31/22 12:10	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		03/31/22 12:10	2199-69-1	
4-Bromofluorobenzene (S)	96	%.	75-125	1		03/31/22 12:10	460-00-4	
Toluene-d8 (S)	94	%.	75-125	1		03/31/22 12:10	2037-26-5	

Sample: YVS-3-20220328 **Lab ID: 10602384003** Collected: 03/28/22 08:30 Received: 03/29/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range	ND	mg/L	0.40	1	03/29/22 15:18	03/30/22 12:59	68334-30-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10602384

Sample: YVS-3-20220328 **Lab ID: 10602384003** Collected: 03/28/22 08:30 Received: 03/29/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Motor Oil Range	ND	mg/L	0.40	1	03/29/22 15:18	03/30/22 12:59		
Surrogates								
o-Terphenyl (S)	63	%.	50-150	1	03/29/22 15:18	03/30/22 12:59	84-15-1	
n-Triacontane (S)	57	%.	50-150	1	03/29/22 15:18	03/30/22 12:59		
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range SG	ND	mg/L	0.40	1	03/29/22 15:18	04/11/22 15:46	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	03/29/22 15:18	04/11/22 15:46	64742-65-0	
Surrogates								
o-Terphenyl (S)	58	%.	50-150	1	03/29/22 15:18	04/11/22 15:46	84-15-1	
n-Triacontane (S)	57	%.	50-150	1	03/29/22 15:18	04/11/22 15:46		

Sample: TB-20220328 **Lab ID: 10602384004** Collected: 03/28/22 07:00 Received: 03/29/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Benzene	ND	ug/L	1.0	1		03/31/22 12:25	71-43-2	
Tetrachloroethene	ND	ug/L	1.0	1		03/31/22 12:25	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125	1		03/31/22 12:25	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		03/31/22 12:25	460-00-4	
Toluene-d8 (S)	106	%.	75-125	1		03/31/22 12:25	2037-26-5	

Sample: YVS-201-20220328 **Lab ID: 10602384005** Collected: 03/28/22 11:15 Received: 03/29/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081B GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Aldrin	ND	ug/L	0.047	1	03/30/22 16:23	04/01/22 21:23	309-00-2	
beta-BHC	ND	ug/L	0.047	1	03/30/22 16:23	04/01/22 21:23	319-85-7	
gamma-BHC (Lindane)	ND	ug/L	0.047	1	03/30/22 16:23	04/01/22 21:23	58-89-9	
4,4'-DDT	ND	ug/L	0.094	1	03/30/22 16:23	04/01/22 21:23	50-29-3	
Dieldrin	ND	ug/L	0.094	1	03/30/22 16:23	04/01/22 21:23	60-57-1	
Surrogates								
Tetrachloro-m-xylene (S)	78	%.	55-125	1	03/30/22 16:23	04/01/22 21:23	877-09-8	
Decachlorobiphenyl (S)	60	%.	30-137	1	03/30/22 16:23	04/01/22 21:23	2051-24-3	
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**0.73**	mg/L	0.40	1	03/29/22 15:18	03/30/22 13:10	68334-30-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10602384

Sample: YVS-201-20220328 **Lab ID: 10602384005** Collected: 03/28/22 11:15 Received: 03/29/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Motor Oil Range	ND	mg/L	0.40	1	03/29/22 15:18	03/30/22 13:10		
Surrogates								
o-Terphenyl (S)	63	%.	50-150	1	03/29/22 15:18	03/30/22 13:10	84-15-1	
n-Triacontane (S)	50	%.	50-150	1	03/29/22 15:18	03/30/22 13:10		
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range SG	ND	mg/L	0.40	1	03/29/22 15:18	04/11/22 15:57	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	03/29/22 15:18	04/11/22 15:57	64742-65-0	
Surrogates								
o-Terphenyl (S)	60	%.	50-150	1	03/29/22 15:18	04/11/22 15:57	84-15-1	
n-Triacontane (S)	49	%.	50-150	1	03/29/22 15:18	04/11/22 15:57		S0
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis							
TPH as Gas	**1180**	ug/L	100	1		03/30/22 18:31		GO
Surrogates								
a,a,a-Trifluorotoluene (S)	85	%.	50-150	1		03/30/22 18:31	98-08-8	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**2.8**	ug/L	0.50	1	03/31/22 05:53	04/01/22 16:41	7440-38-2	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Benzene	**7.8**	ug/L	1.0	1		03/31/22 12:40	71-43-2	
Tetrachloroethene	ND	ug/L	1.0	1		03/31/22 12:40	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1		03/31/22 12:40	2199-69-1	
4-Bromofluorobenzene (S)	117	%.	75-125	1		03/31/22 12:40	460-00-4	
Toluene-d8 (S)	83	%.	75-125	1		03/31/22 12:40	2037-26-5	

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10602384

QC Batch: 806324 | Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx | Analysis Description: NWTPH-Gx Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10602384001, 10602384002, 10602384005

METHOD BLANK: 4279952 Matrix: Water
Associated Lab Samples: 10602384001, 10602384002, 10602384005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	03/30/22 12:10	
a,a,a-Trifluorotoluene (S)	%.	107	50-150	03/30/22 12:10	

METHOD BLANK: 4279953 Matrix: Water
Associated Lab Samples: 10602384001, 10602384002, 10602384005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	03/30/22 15:43	
a,a,a-Trifluorotoluene (S)	%.	93	50-150	03/30/22 15:43	

LABORATORY CONTROL SAMPLE & LCSD: 4279954 4279955

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1060	974	106	97	75-125	9	20	
a,a,a-Trifluorotoluene (S)	%.				126	103	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4279956 4279957

Parameter	Units	10602384002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	1110	1000	1000	1920	2010	81	90	65-126	5	30	GO
a,a,a-Trifluorotoluene (S)	%.						91	92	50-150			

SAMPLE DUPLICATE: 4279984

Parameter	Units	10602050001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	58000	60000	3	30	G-
a,a,a-Trifluorotoluene (S)	%.	106	105			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10602384

SAMPLE DUPLICATE: 4279985

Parameter	Units	10602742001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	314J	327J		30	G-
a,a,a-Trifluorotoluene (S)	%.	97	95			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10602384

QC Batch: 806257
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET Dissolved
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10602384001, 10602384002, 10602384005

METHOD BLANK: 4279758 Matrix: Water
Associated Lab Samples: 10602384001, 10602384002, 10602384005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	0.50	04/01/22 16:00	

LABORATORY CONTROL SAMPLE: 4279759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	100	105	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4279760 4279761

Parameter	Units	10602384002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	2.8	100	100	109	106	106	103	70-130	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10602384

QC Batch: 806553
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10602384001, 10602384002, 10602384004, 10602384005

METHOD BLANK: 4281252 Matrix: Water
Associated Lab Samples: 10602384001, 10602384002, 10602384004, 10602384005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	03/31/22 09:31	
Tetrachloroethene	ug/L	ND	1.0	03/31/22 09:31	
1,2-Dichlorobenzene-d4 (S)	%.	116	75-125	03/31/22 09:31	
4-Bromofluorobenzene (S)	%.	102	75-125	03/31/22 09:31	
Toluene-d8 (S)	%.	109	75-125	03/31/22 09:31	

LABORATORY CONTROL SAMPLE: 4281253

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	21.4	107	73-125	
Tetrachloroethene	ug/L	20	19.9	99	72-125	
1,2-Dichlorobenzene-d4 (S)	%.			99	75-125	
4-Bromofluorobenzene (S)	%.			99	75-125	
Toluene-d8 (S)	%.			96	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4281254 4281255

Parameter	Units	10602384002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	8.9	10	10	23.4	20.4	145	115	65-140	14	30	M1
Tetrachloroethene	ug/L	ND	10	10	14.0	11.1	139	109	66-141	23	30	
1,2-Dichlorobenzene-d4 (S)	%.						100	101	75-125			
4-Bromofluorobenzene (S)	%.						101	98	75-125			
Toluene-d8 (S)	%.						76	96	75-125			

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10602384

QC Batch: 806318
QC Batch Method: EPA Mod. 3510C
Analysis Method: EPA 8081B
Analysis Description: 8081B GCS Pesticides
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10602384002, 10602384005

METHOD BLANK: 4279930 Matrix: Water
Associated Lab Samples: 10602384002, 10602384005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDT	ug/L	ND	0.10	04/01/22 18:15	
Aldrin	ug/L	ND	0.050	04/01/22 18:15	
beta-BHC	ug/L	ND	0.050	04/01/22 18:15	
Dieldrin	ug/L	ND	0.10	04/01/22 18:15	
gamma-BHC (Lindane)	ug/L	ND	0.050	04/01/22 18:15	
Decachlorobiphenyl (S)	%.	84	30-137	04/01/22 18:15	
Tetrachloro-m-xylene (S)	%.	89	55-125	04/01/22 18:15	

LABORATORY CONTROL SAMPLE: 4279931

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDT	ug/L	1	1.0	103	61-137	
Aldrin	ug/L	0.5	0.48	97	34-126	
beta-BHC	ug/L	0.5	0.48	96	71-125	
Dieldrin	ug/L	1	1.0	101	73-125	
gamma-BHC (Lindane)	ug/L	0.5	0.49	98	70-125	
Decachlorobiphenyl (S)	%.			82	30-137	
Tetrachloro-m-xylene (S)	%.			90	55-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4279932 4279933

Parameter	Units	10602384002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDT	ug/L	ND	0.95	1	0.74	0.80	78	78	33-150	8	20	
Aldrin	ug/L	ND	0.48	0.51	0.33	0.36	70	70	30-132	7	20	
beta-BHC	ug/L	ND	0.48	0.51	0.36	0.42	76	82	55-128	15	20	
Dieldrin	ug/L	ND	0.95	1	0.68	0.74	72	72	51-125	8	20	
gamma-BHC (Lindane)	ug/L	ND	0.48	0.51	0.37	0.43	78	85	54-125	16	20	
Decachlorobiphenyl (S)	%.						57	60	30-137			
Tetrachloro-m-xylene (S)	%.						78	81	55-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10602384

QC Batch: 806179
QC Batch Method: EPA Mod. 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10602384001, 10602384002, 10602384003, 10602384005

METHOD BLANK: 4279260 Matrix: Water
Associated Lab Samples: 10602384001, 10602384002, 10602384003, 10602384005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	ND	0.40	03/30/22 11:54	
Motor Oil Range	mg/L	ND	0.40	03/30/22 11:54	
n-Triacontane (S)	%.	65	50-150	03/30/22 11:54	
o-Terphenyl (S)	%.	62	50-150	03/30/22 11:54	

LABORATORY CONTROL SAMPLE: 4279261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range	mg/L	2	1.4	69	50-150	
Motor Oil Range	mg/L	2	1.4	72	50-150	
n-Triacontane (S)	%.			62	50-150	
o-Terphenyl (S)	%.			75	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4279262 4279263

Parameter	Units	10602384002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range	mg/L	0.67	2	2	1.5	1.7	43	53	50-150	13	30	M1
Motor Oil Range	mg/L	ND	2	2	1.1	1.3	45	54	50-150	15	30	M1
n-Triacontane (S)	%.						57	57	50-150			
o-Terphenyl (S)	%.						60	59	50-150			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10602384

QC Batch: 806178
QC Batch Method: EPA Mod. 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV SG
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10602384001, 10602384002, 10602384003, 10602384005

METHOD BLANK: 4279256 Matrix: Water
Associated Lab Samples: 10602384001, 10602384002, 10602384003, 10602384005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	04/08/22 11:29	
Motor Oil Range SG	mg/L	ND	0.40	04/08/22 11:29	
n-Triacontane (S)	%.	58	50-150	04/08/22 11:29	
o-Terphenyl (S)	%.	53	50-150	04/08/22 11:29	

LABORATORY CONTROL SAMPLE: 4279257

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range SG	mg/L	2	1.2	59	50-150	
Motor Oil Range SG	mg/L	2	1.3	64	50-150	
n-Triacontane (S)	%.			55	50-150	
o-Terphenyl (S)	%.			66	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4279258 4279259

Parameter	Units	10602384002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range SG	mg/L	ND	2	2	1.2	1.3	47	53	50-150	10	30	M1
Motor Oil Range SG	mg/L	ND	2	2	1.3	1.2	53	52	50-150	1	30	
n-Triacontane (S)	%.						58	62	50-150			
o-Terphenyl (S)	%.						58	62	50-150			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: Yakima Valley Spray
Pace Project No.: 10602384

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 806553

[1] The continuing calibration verification was below the method acceptance limit for bromomethane. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

[2] The continuing calibration verification was above the method acceptance limit for diethyl ether, methyl-tert-butyl-ether, trans-1,3-dichloropropene, dibromochloromethane, 1,2,4-trichlorobenzene, hexachloro-1,3-butadiene, naphthalene, and 1,2,3-trichlorobenzene. Any detection for the analyte in the associated samples may have a high bias.

ANALYTE QUALIFIERS

G-	Early peaks present outside the GRO window.
GO	Early and late peaks present outside the GRO window.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S0	Surrogate recovery outside laboratory control limits.

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1700 Elm Street
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(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Yakima Valley Spray
Pace Project No.: 10602384

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10602384002	**YVS-2-20220328**	EPA Mod. 3510C	806318	EPA 8081B	806735
10602384005	**YVS-201-20220328**	EPA Mod. 3510C	806318	EPA 8081B	806735
10602384001	**YVS-1B-20220328**	EPA Mod. 3510C	806179	NWTPH-Dx	806540
10602384002	**YVS-2-20220328**	EPA Mod. 3510C	806179	NWTPH-Dx	806540
10602384003	**YVS-3-20220328**	EPA Mod. 3510C	806179	NWTPH-Dx	806540
10602384005	**YVS-201-20220328**	EPA Mod. 3510C	806179	NWTPH-Dx	806540
10602384001	**YVS-1B-20220328**	EPA Mod. 3510C	806178	NWTPH-Dx	808236
10602384002	**YVS-2-20220328**	EPA Mod. 3510C	806178	NWTPH-Dx	808236
10602384003	**YVS-3-20220328**	EPA Mod. 3510C	806178	NWTPH-Dx	808236
10602384005	**YVS-201-20220328**	EPA Mod. 3510C	806178	NWTPH-Dx	808236
10602384001	**YVS-1B-20220328**	NWTPH-Gx	806324		
10602384002	**YVS-2-20220328**	NWTPH-Gx	806324		
10602384005	**YVS-201-20220328**	NWTPH-Gx	806324		
10602384001	**YVS-1B-20220328**	EPA 200.8	806257	EPA 200.8	806733
10602384002	**YVS-2-20220328**	EPA 200.8	806257	EPA 200.8	806733
10602384005	**YVS-201-20220328**	EPA 200.8	806257	EPA 200.8	806733
10602384001	**YVS-1B-20220328**	EPA 8260D	806553		
10602384002	**YVS-2-20220328**	EPA 8260D	806553		
10602384004	**TB-20220328**	EPA 8260D	806553		
10602384005	**YVS-201-20220328**	EPA 8260D	806553		

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A — Client Information:	Section B — Required Project Information:	Section C — Invoice Information:
Company: ANCHOR QEA, LLC	Report To: CFIELDS@ANCHORQEA.COM	Attention: Accounts Payable
Address: 1201 3rd Avenue, Suite 2600	Copy To: NBACHER@ANCHORQEA.COM	Company Name: ANCHOR QEA, LLC
Seattle, WA 98101		Address: 1201 3rd Avenue, Suite 2600
Email To: LABDATA@ANCHORQEA.COM	Purchase Order No. 19 2024-01.01	Pace Quote Reference:
Phone: 2062879130 Fax: —	Client Project ID: Yakima Valley Spray	Pace Project Manager: Jennifer Gross
Requested Due Date/TAT: 10 Day (Standard)	Container Order Number:	Pace Profile #: 40757 / 1

Regulatory Agency

State / Location: WA / Yakima

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS
GROUND WATER	GW

ITEM#	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Y/N	Analyses Test: NWTPH-DX	NWTPH-Dx + Silica Gel	Dissolved Arsenic (Field Filtered)	PCE by 8260	Benzene by 8260	NWTPH-Gx	*Pesticides by 8081	Residual Chlorine (Y/N)	
1	YVS-1B-20220328	GW	G	3-28-22	0940				9			X	X						X	X	X	X		X			001
2	YVS-2-20220328	GW	G	3-28-22	1110				21	X		X	X						X	X	X	X	X	X	X		MS/MSD 002
3	YVS-3-20220328	GW	G	3-28-22	0830				2				X						X	X							003
4	TB-20220328	WT	G	3-28-22	0700				2				X									X	X				004
5	YVS-201-20220328	GW	G	3-28-22	1115				11	X		X	X						X	X	X	X	X	X	X		005
6																											
7																											
8																											
9																											
10																											
11																											
12																											

WO# : 10602384

10602384

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
*Pesticides by 8081: 4,4-DDT, Aldrin, Dieldrin, beta-BHC, gamma-BHC (Lindane)	STEPHEN STREHL/AQ	3-28-22	1400	Ruth/PACE	3-29-22	8:50	2.9/C Y Y Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: STEPHEN STREHL

SIGNATURE of SAMPLER: SBS

DATE Signed: 3-28-22 1400

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: **06Jan2022** **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0150 Rev.04**	Pace Analytical Services - **Minneapolis**

Sample Condition Upon Receipt **Client Name:** Anchor QEA **Project #:**

WO#: 10602384

PM: JMG **Due Date: 04/12/22**

CLIENT: ANCHOR QEA

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 540518183208 5150 1600 6917 See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No **Seals Intact?** ☒ Yes ☐ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other:_____ **Temp Blank?** ☒ Yes ☐ No

Thermometer: ☐ T1(0461) ☐ T2(1336) ☒ T3(0459) ☐ T4(0254) ☐ T5(0489) ☐ 01339252/1710 ☐ 122639816 ☐ 140792808 **Type of Ice:** ☒ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☒ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 2.2 / 1.3 °C **Average Corrected Temp (no temp blank only):** _____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

Correction Factor: -0.2 **Cooler Temp Corrected w/temp blank:** 2.0 / 1.0 °C

USDA Regulated Soil: (☒ N/A, water sample/Other:_____) **Date/Initials of Person Examining Contents:** 3-29-22 RAF

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist ENV-FRM-MIN4-0154 and include with SCUR/COC paperwork.

Location (check one): ☐ Duluth ☒ Minneapolis ☐ Virginia

				COMMENTS:
Chain of Custody Present and Filled Out?	☒ Yes	☐ No		1.
Chain of Custody Relinquished?	☒ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☒ Yes	☐ No		4. If Fecal: ☐ <8 hrs ☐ >8hr, <24 hrs, ☐ >24 hrs
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_____
Rush Turn Around Time Requested?	☐ Yes	☒ No		6.
Sufficient Volume?	☒ Yes	☐ No		7.
Correct Containers Used? -Pace Containers Used?	☒ Yes ☒ Yes	☐ No ☐ No		8.
Containers Intact?	☒ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☒ Yes	☐ No	☐ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☒ No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☒ Water ☐ Soil ☐ Oil ☐ Other-	☒ Yes	☐ No		11. **If no, write ID/ Date/Time on Container Below:** JMG 3/29/22 didn't receive nitric containers for samples 3 or 5 **See Exception** ☒ **ENV-FRM-MIN4-0142**
All containers needing acid/base preservation have been checked?	☒ Yes	☐ No	☐ N/A	12. Sample # 001
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☒ Yes	☐ No	☐ N/A	☐ NaOH ☒ HNO_3 1/1 ☐ H_2SO_4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☒ Yes	☐ No	☐ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No **pH Paper Lot#** **See Exception** ☐ **ENV-FRM-MIN4-0142**
				Res. Chlorine: 0-6 Roll 212521 / 0-6 Strip / 0-14 Strip
Headspace in Methyl Mercury Container?	☐ Yes	☐ No	☒ N/A	
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☒ N/A	13. **See Exception** ☐ **ENV-FRM-MIN4-0140**
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☒ No	☐ N/A	
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	14. Pace Trip Blank Lot # (if purchased): (2) 357662 (4) 357528
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Cindy, Stephen and Nik Date/Time: 3/29/22

Comments/Resolution: Client notified of missing nitric bottles.

Project Manager Review: Jenni Gross **Date:** 3/29/22

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: RAF (2)

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: **06Jan2022** **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0150 Rev.04**	Pace Analytical Services - **Minneapolis**

Sample Condition Upon Receipt

Client Name: Anchor QEA, LLC

Project #: **WO#: 10602384**

PM: JMG **Due Date: 04/12/22**

CLIENT: ANCHOR QEA

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 5905 1818 3209 | 3219 See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other:_____ **Temp Blank?** ☑ Yes ☐ No

Thermometer: ☐ T1(0461) ☐ T2(1336) ☑ T3(0459) ☑ T4(0254) ☐ T5(0489) ☐ 01339252/1710 ☐ 122639816 ☐ 140792808 **Type of Ice:** ☐ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☑ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 2.2, 1.2, 2.8 °C

Correction Factor: -0.2, +0. **Cooler Temp Corrected w/temp blank:** 2.0, 1.0, 2.9 °C

Average Corrected Temp (no temp blank only): _____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☑ N/A, water sample/Other:_____) **Date/Initials of Person Examining Contents:** KH 03/29/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist ENV-FRM-MIN4-0154 and include with SCUR/COC paperwork.

Location (check one): ☐ Duluth ☑ Minneapolis ☐ Virginia				**COMMENTS:**
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4. If Fecal: ☐ <8 hrs ☐ >8hr, <24 hrs, ☐ >24 hrs
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_____
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Volume?	☑ Yes	☐ No		7.
Correct Containers Used? -Pace Containers Used?	☑ Yes ☑ Yes	☐ No ☐ No		8.
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☑ Yes	☐ No	☐ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☑ No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other-	☑ Yes	☐ No		11. **If no, write ID/ Date/Time on Container Below:** See Exception ☐ ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☑ Yes	☐ No	☐ N/A	12. Sample # 001, 002, 005
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☑ Yes	☐ No	☐ N/A	☐ NaOH ☑ HNO_3 ☐ H_2SO_4 ☐ Zinc Acetate 1/1
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☑ Yes	☐ No	☐ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No **pH Paper Lot#** See Exception ☐ ENV-FRM-MIN4-0142
				Res. Chlorine: 0-6 Roll 212521 | 0-6 Strip | 0-14 Strip
Headspace in Methyl Mercury Container?	☐ Yes	☐ No	☑ N/A	
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☑ N/A	13. See Exception ☐ ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☑ No	☐ N/A	
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	14.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	Pace Trip Blank Lot # (if purchased): ② 2357662, ④ 757524

KH 03/29/22

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Cindy and Stephen Date/Time: 3/29/22

Comments/Resolution: Nitric containers received in third cooler.

Project Manager Review: Jenni Gross **Date:** 3/29/22

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: KNZ

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR) Exception Form**	Document Revised: 04Jun2020 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0142 Rev.01**	Pace Analytical Services - **Minneapolis**

SCUR Exceptions:

Workorder #:

Out of Temp Sample IDs	Container Type	# of Containers

PM Notified? ☐Yes ☐No

If yes, indicate who was contacted/date/time.
If no, indicate reason why.

Multiple Cooler Project? ☐Yes ☐No
If you answered yes, fill out information to the left.

No Temp Blank		
Read Temp	Corrected Temp	Average Temp

Tracking Number/Temperature	

Issue Type: Sample ID	Container Type	# of Containers
YVS-2-20220328	RECEIVED	#18
~~FB-20220328~~	~~RECEIVED~~	~~#10~~
YVS-201-20220328	RECEIVED	#10
Missing Nitric for		
YVS-2-20220328		
YVS-201-20220328		

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preserv.	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance after addition?	Initials
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	

Comments:

Quarter 2

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

June 27, 2022

Nik Bacher
Anchor QEA, LLC
720 Olive Way
Suite 1900
Seattle, WA 98101

RE: Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Dear Nik Bacher:

Enclosed are the analytical results for sample(s) received by the laboratory on June 10, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Cindy Fields, Anchor QEA, LLC
Anchor QEA QA representative, Anchor QEA, LLC
Halah Voges, Anchor QEA, LLC

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Pace Analytical Services National

Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services, LLC
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SAMPLE SUMMARY

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10612290001	**TB-20220609**	Water	06/09/22 07:00	06/10/22 08:50
10612290002	**YVS-1B-20220609**	Water	06/09/22 09:15	06/10/22 08:50
10612290003	**YVS-3-20220609**	Water	06/09/22 08:15	06/10/22 08:50
10612290004	**YVS-2-20220609**	Water	06/09/22 10:25	06/10/22 08:50
10612290005	**YVS-201-20220609**	Water	06/09/22 10:30	06/10/22 08:50

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SAMPLE ANALYTE COUNT

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10612290001	**TB-20220609**	NWTPH-Gx	DWR	2	PAN
		EPA 8260D	ZB	4	PASI-M
10612290002	**YVS-1B-20220609**	NWTPH-Dx	EB3	4	PASI-M
10612290003	**YVS-3-20220609**	NWTPH-Dx	EB3	4	PASI-M
10612290004	**YVS-2-20220609**	NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Gx	JAH	2	PAN
		EPA 8260D	JEM	4	PASI-M
10612290005	**YVS-201-20220609**	NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Gx	DWR	2	PAN
		EPA 8260D	JEM	4	PASI-M

PAN = Pace National - Mt. Juliet
PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
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PROJECT NARRATIVE

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Date: June 27, 2022

YVS-2-20220609 (Lab ID: 10612290004)

- Volatile Organic Compounds (GC) by Method NWTPHGX - Surrogate failure due to matrix interference.

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PROJECT NARRATIVE

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS LV
Client: Anchor QEA, LLC
Date: June 27, 2022

General Information:
4 samples were analyzed for NWTPH-Dx by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA Mod. 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 822092

S0: Surrogate recovery outside laboratory control limits.

- YVS-1B-20220609 (Lab ID: 10612290002)
  - n-Triacontane (S)
- YVS-3-20220609 (Lab ID: 10612290003)
  - n-Triacontane (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 822092

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10612290004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 4356497)
  - Diesel Fuel Range
  - Motor Oil Range

R1: RPD value was outside control limits.

- MSD (Lab ID: 4356497)

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PROJECT NARRATIVE

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS LV
Client: Anchor QEA, LLC
Date: June 27, 2022

QC Batch: 822092

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10612290004

R1: RPD value was outside control limits.

- Diesel Fuel Range

Additional Comments:

Analyte Comments:

QC Batch: 822092

C6: Result confirmed by reanalysis conducted outside of the method specified holding time.

- YVS-1B-20220609 (Lab ID: 10612290002)
  - Diesel Fuel Range
- YVS-3-20220609 (Lab ID: 10612290003)
  - Diesel Fuel Range

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PROJECT NARRATIVE

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS Silica Gel LV
Client: Anchor QEA, LLC
Date: June 27, 2022

General Information:
2 samples were analyzed for NWTPH-Dx by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA Mod. 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 822140

S0: Surrogate recovery outside laboratory control limits.

- MSD (Lab ID: 4356662)
  - n-Triacontane (S)
- YVS-2-20220609 (Lab ID: 10612290004)
  - n-Triacontane (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 822140

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10612290004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4356661)
  - Diesel Fuel Range SG
  - Motor Oil Range SG
- MSD (Lab ID: 4356662)
  - Diesel Fuel Range SG

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Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS Silica Gel LV
Client: Anchor QEA, LLC
Date: June 27, 2022

QC Batch: 822140

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10612290004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Motor Oil Range SG

Additional Comments:

Analyte Comments:

QC Batch: 822140

P2: Re-extraction or re-analysis could not be performed due to insufficient sample amount.

- YVS-2-20220609 (Lab ID: 10612290004)
  - o-Terphenyl (S)

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Method: **NWTPH-Gx**
Description: VOA (GC) NWTPHGX
Client: Anchor QEA, LLC
Date: June 27, 2022

General Information:
3 samples were analyzed for NWTPH-Gx by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 1881747

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): L1504573-06

R1: RPD value was outside control limits.

- MSD (Lab ID: R3805211-4)
  - TPH (C06-C12)

Additional Comments:

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PROJECT NARRATIVE

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Method: **EPA 8260D**
Description: 8260D VOC
Client: Anchor QEA, LLC
Date: June 27, 2022

General Information:
3 samples were analyzed for EPA 8260D by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 823665

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10612290004

R1: RPD value was outside control limits.

- MSD (Lab ID: 4363960)
  - Benzene

Additional Comments:

Batch Comments:

The continuing calibration verification was above the method acceptance limit for acetone, bromodichloromethane, dibromochloromethane, and bromoform. Any detection for the analyte in the associated samples may have a high bias.
- QC Batch: 822769

The continuing calibration verification was below the method acceptance limit for chloroethane, chloromethane, dichlorodifluoromethane, trichlorofluoromethane, and vinyl chloride. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
- QC Batch: 823665

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Method: **EPA 8260D**
Description: 8260D VOC
Client: Anchor QEA, LLC
Date: June 27, 2022

Batch Comments:

Dibromochloromethane and bromoform did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.
- QC Batch: 822769

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Sample: TB-20220609 **Lab ID: 10612290001** Collected: 06/09/22 07:00 Received: 06/10/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC) NWTPHGX	Analytical Method: NWTPH-Gx Preparation Method: NWTPHGX Pace National - Mt. Juliet							
TPH (C06-C12)	ND	ug/L	100	1	06/19/22 07:03	06/19/22 07:03		
Surrogates								
a,a,a-Trifluorotoluene (FID)	98.4	%	78.0-120	1	06/19/22 07:03	06/19/22 07:03	98-08-8FID	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Benzene	ND	ug/L	1.0	1		06/19/22 15:38	71-43-2	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	104	%.	75-125	1		06/19/22 15:38	2199-69-1	
4-Bromofluorobenzene (S)	98	%.	75-125	1		06/19/22 15:38	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		06/19/22 15:38	2037-26-5	

Sample: YVS-1B-20220609 **Lab ID: 10612290002** Collected: 06/09/22 09:15 Received: 06/10/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range	ND	mg/L	0.40	1	06/16/22 10:01	06/23/22 08:33	68334-30-5	C6
Motor Oil Range	ND	mg/L	0.40	1	06/16/22 10:01	06/23/22 08:33		
Surrogates								
o-Terphenyl (S)	102	%.	50-150	1	06/16/22 10:01	06/23/22 08:33	84-15-1	
n-Triacontane (S)	43	%.	50-150	1	06/16/22 10:01	06/23/22 08:33		S0

Sample: YVS-3-20220609 **Lab ID: 10612290003** Collected: 06/09/22 08:15 Received: 06/10/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range	ND	mg/L	0.40	1	06/16/22 10:01	06/23/22 08:43	68334-30-5	C6
Motor Oil Range	ND	mg/L	0.40	1	06/16/22 10:01	06/23/22 08:43		
Surrogates								
o-Terphenyl (S)	92	%.	50-150	1	06/16/22 10:01	06/23/22 08:43	84-15-1	
n-Triacontane (S)	11	%.	50-150	1	06/16/22 10:01	06/23/22 08:43		S0

Sample: YVS-2-20220609 **Lab ID: 10612290004** Collected: 06/09/22 10:25 Received: 06/10/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**0.50**	mg/L	0.40	1	06/16/22 10:01	06/23/22 08:52	68334-30-5	M1,R1

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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Sample: YVS-2-20220609 **Lab ID: 10612290004** Collected: 06/09/22 10:25 Received: 06/10/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Motor Oil Range	ND	mg/L	0.40	1	06/16/22 10:01	06/23/22 08:52		M1
Surrogates								
o-Terphenyl (S)	90	%.	50-150	1	06/16/22 10:01	06/23/22 08:52	84-15-1	
n-Triacontane (S)	55	%.	50-150	1	06/16/22 10:01	06/23/22 08:52		
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range SG	ND	mg/L	0.40	1	06/16/22 10:01	06/24/22 13:33	68334-30-5	M1
Motor Oil Range SG	ND	mg/L	0.40	1	06/16/22 10:01	06/24/22 13:33	64742-65-0	M1
Surrogates								
o-Terphenyl (S)	80	%.	50-150	1	06/16/22 10:01	06/24/22 13:33	84-15-1	P2
n-Triacontane (S)	46	%.	50-150	1	06/16/22 10:01	06/24/22 13:33		S0
VOA (GC) NWTPHGX	Analytical Method: NWTPH-Gx Preparation Method: NWTPHGX Pace National - Mt. Juliet							
TPH (C06-C12)	**2240**	ug/L	100	1	06/20/22 06:25	06/20/22 06:25		
Surrogates								
a,a,a-Trifluorotoluene (FID)	75.4	%	78.0-120	1	06/20/22 06:25	06/20/22 06:25	98-08-8FID	SR
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Benzene	**4.6**	ug/L	1.0	1		06/22/22 19:12	71-43-2	R1
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		06/22/22 19:12	2199-69-1	
4-Bromofluorobenzene (S)	101	%.	75-125	1		06/22/22 19:12	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1		06/22/22 19:12	2037-26-5	

Sample: YVS-201-20220609 **Lab ID: 10612290005** Collected: 06/09/22 10:30 Received: 06/10/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**0.76**	mg/L	0.40	1	06/16/22 10:01	06/23/22 09:20	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	06/16/22 10:01	06/23/22 09:20		
Surrogates								
o-Terphenyl (S)	94	%.	50-150	1	06/16/22 10:01	06/23/22 09:20	84-15-1	
n-Triacontane (S)	70	%.	50-150	1	06/16/22 10:01	06/23/22 09:20		
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range SG	ND	mg/L	0.40	1	06/16/22 10:01	06/24/22 14:08	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	06/16/22 10:01	06/24/22 14:08	64742-65-0	
Surrogates								
o-Terphenyl (S)	84	%.	50-150	1	06/16/22 10:01	06/24/22 14:08	84-15-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Sample: YVS-201-20220609 **Lab ID: 10612290005** Collected: 06/09/22 10:30 Received: 06/10/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Surrogates								
n-Triacontane (S)	63	%.	50-150	1	06/16/22 10:01	06/24/22 14:08		
VOA (GC) NWTPHGX	Analytical Method: NWTPH-Gx Preparation Method: NWTPHGX Pace National - Mt. Juliet							
TPH (C06-C12)	**1940**	ug/L	100	1	06/19/22 13:42	06/19/22 13:42		
Surrogates								
a,a,a-Trifluorotoluene (FID)	86.6	%	78.0-120	1	06/19/22 13:42	06/19/22 13:42	98-08-8FID	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Benzene	**4.5**	ug/L	1.0	1		06/22/22 19:42	71-43-2	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		06/22/22 19:42	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		06/22/22 19:42	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1		06/22/22 19:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

QC Batch: 1881747
QC Batch Method: 8021B/NWTPHGX
Analysis Method: NWTPH-Gx
Analysis Description: VOA (GC) NWTPHGX
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10612290001, 10612290005

METHOD BLANK: R3805211-2 Matrix: Water
Associated Lab Samples: 10612290001, 10612290005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	ug/L	ND	100	06/19/22 05:39	
a,a,a-Trifluorotoluene (FID)	%	97.5	78.0-120	06/19/22 05:39	

LABORATORY CONTROL SAMPLE: R3805211-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	ug/L	5500	5240	95.3	70.0-124	
a,a,a-Trifluorotoluene (FID)	%			108	78.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3805211-3 R3805211-4

Parameter	Units	L1504573-06 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	ug/L	56.7	5500	5500	2200	3850	39.0	69.0	10.0-155	54.5	21	R1
a,a,a-Trifluorotoluene (FID)	%						103	105	78.0-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

QC Batch: 1881747
QC Batch Method: NWTPHGX
Analysis Method: NWTPH-Gx
Analysis Description: VOA (GC) NWTPHGX
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10612290001, 10612290005

METHOD BLANK: R3805211-2 Matrix: Water
Associated Lab Samples: 10612290001, 10612290005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	ug/L	ND	100	06/19/22 05:39	
a,a,a-Trifluorotoluene (FID)	%	97.5	78.0-120	06/19/22 05:39	

LABORATORY CONTROL SAMPLE: R3805211-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	ug/L	5500	5240	95.3	70.0-124	
a,a,a-Trifluorotoluene (FID)	%			108	78.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3805211-3 R3805211-4

Parameter	Units	L1504573-06 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	ug/L	56.7	5500	5500	2200	3850	39.0	69.0	10.0-155	54.5	21	R1
a,a,a-Trifluorotoluene (FID)	%						103	105	78.0-120			

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

QC Batch: 1881981
QC Batch Method: 8015/NWTPHGX
Analysis Method: NWTPH-Gx
Analysis Description: VOA (GC) NWTPHGX
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10612290004

METHOD BLANK: R3805574-2 Matrix: Water
Associated Lab Samples: 10612290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	ug/L	ND	100	06/20/22 00:46	
a,a,a-Trifluorotoluene (FID)	%	99.1	78.0-120	06/20/22 00:46	

LABORATORY CONTROL SAMPLE: R3805574-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	ug/L	5500	5600	102	70.0-124	
a,a,a-Trifluorotoluene (FID)	%			98.4	78.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3805574-3 R3805574-4

Parameter	Units	10612290004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	ug/L	2240	5500	5500	4880	4990	48.0	50.0	10.0-155	2.23	21	
a,a,a-Trifluorotoluene (FID)	%						86.3	85.2	78.0-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

QC Batch: 1881981
QC Batch Method: 8015/8021/8021B/NWTPHGX
Analysis Method: NWTPH-Gx
Analysis Description: VOA (GC) NWTPHGX
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10612290004

METHOD BLANK: R3805574-2 Matrix: Water
Associated Lab Samples: 10612290004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	ug/L	ND	100	06/20/22 00:46	
a,a,a-Trifluorotoluene (FID)	%	99.1	78.0-120	06/20/22 00:46	

LABORATORY CONTROL SAMPLE: R3805574-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	ug/L	5500	5600	102	70.0-124	
a,a,a-Trifluorotoluene (FID)	%			98.4	78.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3805574-3 R3805574-4

Parameter	Units	10612290004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	ug/L	2240	5500	5500	4880	4990	48.0	50.0	10.0-155	2.23	21	
a,a,a-Trifluorotoluene (FID)	%						86.3	85.2	78.0-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

QC Batch: 822769
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10612290001

METHOD BLANK: 4360180 Matrix: Water
Associated Lab Samples: 10612290001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	06/19/22 15:22	
1,2-Dichlorobenzene-d4 (S)	%.	103	75-125	06/19/22 15:22	
4-Bromofluorobenzene (S)	%.	99	75-125	06/19/22 15:22	
Toluene-d8 (S)	%.	100	75-125	06/19/22 15:22	

LABORATORY CONTROL SAMPLE: 4360181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.6	103	73-125	
1,2-Dichlorobenzene-d4 (S)	%.			102	75-125	
4-Bromofluorobenzene (S)	%.			100	75-125	
Toluene-d8 (S)	%.			102	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4360182 4360183

Parameter	Units	10613715001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	200	200	232	233	114	114	65-140	1	30	
1,2-Dichlorobenzene-d4 (S)	%.						101	101	75-125			
4-Bromofluorobenzene (S)	%.						96	96	75-125			
Toluene-d8 (S)	%.						102	102	75-125			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

QC Batch: 823665
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10612290004, 10612290005

METHOD BLANK: 4363943 Matrix: Water
Associated Lab Samples: 10612290004, 10612290005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	06/22/22 17:42	
1,2-Dichlorobenzene-d4 (S)	%.	99	75-125	06/22/22 17:42	
4-Bromofluorobenzene (S)	%.	99	75-125	06/22/22 17:42	
Toluene-d8 (S)	%.	99	75-125	06/22/22 17:42	

LABORATORY CONTROL SAMPLE: 4363944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.0	95	73-125	
1,2-Dichlorobenzene-d4 (S)	%.			99	75-125	
4-Bromofluorobenzene (S)	%.			100	75-125	
Toluene-d8 (S)	%.			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4363959 4363960

Parameter	Units	10612290004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	4.6	20	20	19.7	27.5	75	114	65-140	33	30	R1
1,2-Dichlorobenzene-d4 (S)	%.						99	98	75-125			
4-Bromofluorobenzene (S)	%.						99	99	75-125			
Toluene-d8 (S)	%.						99	100	75-125			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

QC Batch: 822092
QC Batch Method: EPA Mod. 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10612290002, 10612290003, 10612290004, 10612290005

METHOD BLANK: 4356494 Matrix: Water
Associated Lab Samples: 10612290002, 10612290003, 10612290004, 10612290005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	ND	0.40	06/23/22 08:15	
Motor Oil Range	mg/L	ND	0.40	06/23/22 08:15	
n-Triacontane (S)	%.	85	50-150	06/23/22 08:15	
o-Terphenyl (S)	%.	100	50-150	06/23/22 08:15	

LABORATORY CONTROL SAMPLE: 4356495

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range	mg/L	2	1.6	79	50-150	
Motor Oil Range	mg/L	2	1.7	87	50-150	
n-Triacontane (S)	%.			91	50-150	
o-Terphenyl (S)	%.			105	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4356496 4356497

Parameter	Units	10612290004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range	mg/L	0.50	2	2	1.8	1.3	62	38	50-150	32	30	M1,R1
Motor Oil Range	mg/L	ND	2	2	1.3	1.0	59	46	50-150	22	30	M1
n-Triacontane (S)	%.						59	52	50-150			
o-Terphenyl (S)	%.						102	93	50-150			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

QC Batch: 822140
QC Batch Method: EPA Mod. 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV SG
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10612290004, 10612290005

METHOD BLANK: 4356659 Matrix: Water
Associated Lab Samples: 10612290004, 10612290005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	06/24/22 12:47	
Motor Oil Range SG	mg/L	ND	0.40	06/24/22 12:47	
n-Triacontane (S)	%.	70	50-150	06/24/22 12:47	
o-Terphenyl (S)	%.	85	50-150	06/24/22 12:47	

LABORATORY CONTROL SAMPLE: 4356660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range SG	mg/L	2	1.4	69	50-150	
Motor Oil Range SG	mg/L	2	1.5	74	50-150	
n-Triacontane (S)	%.			75	50-150	
o-Terphenyl (S)	%.			91	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4356661 4356662

Parameter	Units	10612290004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range SG	mg/L	ND	2	2	1.2	0.93	49	34	50-150	28	30	M1
Motor Oil Range SG	mg/L	ND	2	2	0.94	0.81	45	39	50-150	15	30	M1
n-Triacontane (S)	%.						50	46	50-150			S0
o-Terphenyl (S)	%.						86	83	50-150			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 10612290004

[1] Volatile Organic Compounds (GC) by Method NWTPHGX - Surrogate failure due to matrix interference.

BATCH QUALIFIERS

Batch: 822769

[1] The continuing calibration verification was above the method acceptance limit for acetone, bromodichloromethane, dibromochloromethane, and bromoform. Any detection for the analyte in the associated samples may have a high bias.

[2] Dibromochloromethane and bromoform did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

Batch: 823665

[1] The continuing calibration verification was below the method acceptance limit for chloroethane, chloromethane, dichlorodifluoromethane, trichlorofluoromethane, and vinyl chloride. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

ANALYTE QUALIFIERS

C6 Result confirmed by reanalysis conducted outside of the method specified holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

P2 Re-extraction or re-analysis could not be performed due to insufficient sample amount.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

ANALYTE QUALIFIERS

S0	Surrogate recovery outside laboratory control limits.
SR	Surrogate recovery was below laboratory control limits. Results may be biased low.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 192024-01.01 Yakima Vally Spra
Pace Project No.: 10612290

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10612290002	**YVS-1B-20220609**	EPA Mod. 3510C	822092	NWTPH-Dx	823090
10612290003	**YVS-3-20220609**	EPA Mod. 3510C	822092	NWTPH-Dx	823090
10612290004	**YVS-2-20220609**	EPA Mod. 3510C	822092	NWTPH-Dx	823090
10612290005	**YVS-201-20220609**	EPA Mod. 3510C	822092	NWTPH-Dx	823090
10612290004	**YVS-2-20220609**	EPA Mod. 3510C	822140	NWTPH-Dx	824140
10612290005	**YVS-201-20220609**	EPA Mod. 3510C	822140	NWTPH-Dx	824140
10612290001	**TB-20220609**	NWTPHGX	1881747	NWTPH-Gx	1881747
10612290004	**YVS-2-20220609**	NWTPHGX	1881981	NWTPH-Gx	1881981
10612290005	**YVS-201-20220609**	NWTPHGX	1881747	NWTPH-Gx	1881747
10612290001	**TB-20220609**	EPA 8260D	822769		
10612290004	**YVS-2-20220609**	EPA 8260D	823665		
10612290005	**YVS-201-20220609**	EPA 8260D	823665		

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	ANCHOR QEA, LLC	Report To:	CFEENS@ANCHORQEA.COM	Attention:	Accounts Payable
Address:	1201 3rd Avenue, Suite 2600	Copy To:	NBACHER@ANCHORQEA.COM	Company Name:	ANCHOR QEA, LLC
	Seattle, WA 98101			Address:	1201 3rd Avenue, Suite 2600
Email To:	LABDATA@ANCHORQEA.COM	Purchase Order No.	192024-01.01	Pace Quote Reference:	
Phone:	2062879130 Fax: —	Client Project ID:	Yakima Valley Spray	Pace Project Manager:	Jennifer Gross
Requested Due Date/TAT:	10 Day (Standard)	Container Order Number:		Pace Profile #:	40757 / 1

Regulatory Agency: —

State / Location: WA / Yakima

ITEM#	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): NWTPH-DX	NWTPH-Dx + Silica Gel	Benzene by 8260	NWTPH-Gx	Residual Chlorine (Y/N)	
1	TB-20220609	GW	G	6-9-22	0700				4												X	X			001
2	YVS-1B-20220609	GW	G		0915				2				X						X	X					002
3	YVS-3-20220609	GW	G		0815				2				X						X	X					003
4	YVS-2-20220609	GW	G		1025				24				X						X	X	X	X			MS/MSD 004
5	YVS-201-20220609	GW	G	6-9-22	1030				8				X						X	X	X	X			005
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
*Pesticides by 8081: 4,4-DDT, Aldrin, Dieldrin, beta-BHC, gamma-BHC (Lindane)	STEPHEN STMEHL / ANCHOR QEA	6-9-22	1300	E— / PACE	6-10-22	8:50	2.0	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: STEPHEN STMEHL

SIGNATURE of SAMPLER: SBS

DATE Signed: 6-9-2022

WO#: 10612290

10612290

Pace ANALYTICAL SERVICES	**DC#_Title: ENV-FRM-MIN4-0150 v05_Sample Condition Upon Receipt (SCUR)**
	Effective Date: 04/12/2022

Sample Condition Upon Receipt

Client Name: ANCHOR QEA LLC

Project #:

WO#: 10612290

PM: JMG **Due Date: 06/24/22**

CLIENT: ANCHOR QEA

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

See Exceptions ☐ ENV-FRM-MIN4-0142

Tracking Number: 4580 1600 4733

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other:_____ **Temp Blank?** ☑ Yes ☐ No

Thermometer: ☑ T1(0461) ☐ T2(1336) ☐ T3(0459) ☐ T4(0254) ☐ T5(0489) ☐ T6(0235) ☐ T7 (0042) ☐ 01339252/1710 ☐ 122639816 ☐ 140792808 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☐ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☐ N/A

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 2.0 °C

Correction Factor: TNC **Cooler Temp Corrected w/temp blank:** 2.0 °C

Average Corrected Temp (no temp blank only): _____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☑ N/A, water sample/Other:_____) **Date/Initials of Person Examining Contents:** 6/10/22 NA

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist ENV-FRM-MIN4-0154 and include with SCUR/COC paperwork.

Location (check one): ☐ Duluth ☑ Minneapolis ☐ Virginia

				COMMENTS:
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4. If Fecal: ☐ <8 hrs ☐ >8hr, <24 hrs, ☐ >24 hrs
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_____
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Volume?	☑ Yes	☐ No		7.
Correct Containers Used?	☑ Yes	☐ No		8.
-Pace Containers Used?	☑ Yes	☐ No		
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other-	☑ Yes	☐ No		11. **If no, write ID/ Date/Time on Container Below:** **See Exception** ☐ **ENV-FRM-MIN4-0142**
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes	☐ No	☑ N/A	☐ NaOH ☐ HNO_3 ☐ H_2SO_4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐ Yes	☐ No	☑ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No **pH Paper Lot#** **See Exception** ☐ **ENV-FRM-MIN4-0142**
				Res. Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Headspace in Methyl Mercury Container?	☐ Yes	☐ No	☑ N/A	
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☑ N/A	13. **See Exception** ☐ **ENV-FRM-MIN4-0140**
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☑ N/A	
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	14.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	Pace Trip Blank Lot # (if purchased): 080327-3Y Cutoff

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Jenni Gross **Date:** 6/10/22

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e.,, out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: _____

RNC

K165

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [X] Yes ☐ No
Owner Received Date: 6/10/2022 Results Requested By: 6/24/2022

Workorder: 10612290 **Workorder Name:** 192024-01.01 Yakima Vally Spra

Report To	Subcontract To
Jennifer Gross Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

L150468

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: VOA H	Requested Analysis: NWTPH-Gx (MS/D) (PACE-TN)	NWTPH-Gx (PACE-TN)	LAB USE ONLY
1	TB-20220609	PS	6/9/2022 07:00	10612290001	Water	2		X	-01
2	YVS-2-20220609	RQS	6/9/2022 10:25	10612290004	Water	9	X		MS/D -02
3	YVS-201-20220609	PS	6/9/2022 10:30	10612290005	Water	3		X	-03
4									
5									

Transfers	Released By	Date/Time	Received By	Date/Time
1	CSM/Pace	6-13-2210:10	Lara Ge	6.14.22 0845
2				
3				

Comments: 9F

Cooler Temperature on Receipt ____ °C | **Custody Seal** (Y) or N | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Temp DRAT 3.4 +0=3.4

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N	14 vials	
RAD Screen <0.5 mR/hr:	Y N		

Quarter 3

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

September 14, 2022

Nik Bacher
Anchor QEA, LLC
720 Olive Way
Suite 1900
Seattle, WA 98101

RE: Project: Yakima Valley Spray
Pace Project No.: 10623698

Dear Nik Bacher:

Enclosed are the analytical results for sample(s) received by the laboratory on August 31, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Cindy Fields, Anchor QEA, LLC
Anchor QEA QA representative, Anchor QEA, LLC
Halah Voges, Anchor QEA, LLC

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: Yakima Valley Spray
Pace Project No.: 10623698

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: Yakima Valley Spray
Pace Project No.: 10623698

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10623698001	**TB-20220830**	Water	08/30/22 07:00	08/31/22 08:50
10623698002	**YVS-3-20220830**	Water	08/30/22 08:10	08/31/22 08:50
10623698003	**YVS-2-20220830**	Water	08/30/22 09:20	08/31/22 08:50
10623698004	**YVS-201-20220830**	Water	08/30/22 09:25	08/31/22 08:50

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: Yakima Valley Spray
Pace Project No.: 10623698

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10623698001	**TB-20220830**	NWTPH-Gx	TM2	2	PASI-M
		EPA 8260D	TKL	4	PASI-M
10623698002	**YVS-3-20220830**	NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Dx	EB3	4	PASI-M
10623698003	**YVS-2-20220830**	NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Gx	TM2	2	PASI-M
		EPA 8260D	TKL	4	PASI-M
10623698004	**YVS-201-20220830**	NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Gx	TM2	2	PASI-M
		EPA 8260D	PAB	4	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10623698

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS LV
Client: Anchor QEA, LLC
Date: September 14, 2022

General Information:
3 samples were analyzed for NWTPH-Dx by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 838261

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10623698003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4437646)
  - Diesel Fuel Range

Additional Comments:

Analyte Comments:

QC Batch: 838261

2M: Surrogate recovery outside laboratory control limits due to matrix interference.

- YVS-2-20220830 (Lab ID: 10623698003)
  - n-Triacontane (S)
- YVS-201-20220830 (Lab ID: 10623698004)
  - n-Triacontane (S)

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10623698

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS LV
Client: Anchor QEA, LLC
Date: September 14, 2022

Analyte Comments:

QC Batch: 838261

2M: Surrogate recovery outside laboratory control limits due to matrix interference.

- YVS-201-20220830 (Lab ID: 10623698004)
  - o-Terphenyl (S)

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10623698

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS Silica Gel LV
Client: Anchor QEA, LLC
Date: September 14, 2022

General Information:
3 samples were analyzed for NWTPH-Dx by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 838259

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10623698003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4437637)
  - Diesel Fuel Range SG
  - Motor Oil Range SG

Additional Comments:

Analyte Comments:

QC Batch: 838259

1M: Surrogate recovery outside laboratory control limits due to being concentraited again during silica clean up.

- MS (Lab ID: 4437637)
  - n-Triacontane (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10623698

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS Silica Gel LV
Client: Anchor QEA, LLC
Date: September 14, 2022

Analyte Comments:

QC Batch: 838259

1M: Surrogate recovery outside laboratory control limits due to being concentraited again during silica clean up.

- YVS-2-20220830 (Lab ID: 10623698003)
  - n-Triacontane (S)
  - o-Terphenyl (S)
- YVS-201-20220830 (Lab ID: 10623698004)
  - n-Triacontane (S)
  - o-Terphenyl (S)

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10623698

Method: **NWTPH-Gx**
Description: NWTPH-Gx GCV
Client: Anchor QEA, LLC
Date: September 14, 2022

General Information:
3 samples were analyzed for NWTPH-Gx by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10623698

Method: **EPA 8260D**
Description: 8260D MSV UST
Client: Anchor QEA, LLC
Date: September 14, 2022

General Information:
3 samples were analyzed for EPA 8260D by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 838488

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10623698

Sample: TB-20220830 **Lab ID: 10623698001** Collected: 08/30/22 07:00 Received: 08/31/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
	Pace Analytical Services - Minneapolis							
TPH as Gas	ND	ug/L	100	1		09/02/22 18:37		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	50-150	1		09/02/22 18:37	98-08-8	
8260D MSV UST	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Benzene	ND	ug/L	1.0	1		09/02/22 21:23	71-43-2	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		09/02/22 21:23	2199-69-1	
4-Bromofluorobenzene (S)	103	%.	75-125	1		09/02/22 21:23	460-00-4	
Toluene-d8 (S)	101	%.	75-125	1		09/02/22 21:23	2037-26-5	

Sample: YVS-3-20220830 **Lab ID: 10623698002** Collected: 08/30/22 08:10 Received: 08/31/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510C							
	Pace Analytical Services - Minneapolis							
Diesel Fuel Range	ND	mg/L	0.40	1	09/01/22 14:57	09/02/22 19:49	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	09/01/22 14:57	09/02/22 19:49		
Surrogates								
o-Terphenyl (S)	68	%.	50-150	1	09/01/22 14:57	09/02/22 19:49	84-15-1	
n-Triacontane (S)	65	%.	50-150	1	09/01/22 14:57	09/02/22 19:49		
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510C							
	Pace Analytical Services - Minneapolis							
Diesel Fuel Range SG	ND	mg/L	0.40	1	09/01/22 13:43	09/13/22 13:03	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	09/01/22 13:43	09/13/22 13:03	64742-65-0	
Surrogates								
o-Terphenyl (S)	59	%.	50-150	1	09/01/22 13:43	09/13/22 13:03	84-15-1	
n-Triacontane (S)	62	%.	50-150	1	09/01/22 13:43	09/13/22 13:03		

Sample: YVS-2-20220830 **Lab ID: 10623698003** Collected: 08/30/22 09:20 Received: 08/31/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510C							
	Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**1.8**	mg/L	0.42	1	09/01/22 14:57	09/02/22 19:11	68334-30-5	M1
Motor Oil Range	**0.74**	mg/L	0.42	1	09/01/22 14:57	09/02/22 19:11		
Surrogates								
o-Terphenyl (S)	54	%.	50-150	1	09/01/22 14:57	09/02/22 19:11	84-15-1	
n-Triacontane (S)	38	%.	50-150	1	09/01/22 14:57	09/02/22 19:11		2M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10623698

Sample: YVS-2-20220830 **Lab ID: 10623698003** Collected: 08/30/22 09:20 Received: 08/31/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range SG	ND	mg/L	0.42	1	09/01/22 13:43	09/13/22 13:12	68334-30-5	M1
Motor Oil Range SG	ND	mg/L	0.42	1	09/01/22 13:43	09/13/22 13:12	64742-65-0	M1
Surrogates								
o-Terphenyl (S)	46	%.	50-150	1	09/01/22 13:43	09/13/22 13:12	84-15-1	1M
n-Triacontane (S)	36	%.	50-150	1	09/01/22 13:43	09/13/22 13:12		1M
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis							
TPH as Gas	ND	ug/L	100	1		09/02/22 18:52		
Surrogates								
a,a,a-Trifluorotoluene (S)	98	%.	50-150	1		09/02/22 18:52	98-08-8	
8260D MSV UST	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Benzene	ND	ug/L	1.0	1		09/02/22 22:57	71-43-2	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1		09/02/22 22:57	2199-69-1	
4-Bromofluorobenzene (S)	103	%.	75-125	1		09/02/22 22:57	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		09/02/22 22:57	2037-26-5	

Sample: YVS-201-20220830 **Lab ID: 10623698004** Collected: 08/30/22 09:25 Received: 08/31/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**1.6**	mg/L	0.40	1	09/01/22 14:57	09/02/22 19:39	68334-30-5	
Motor Oil Range	**0.72**	mg/L	0.40	1	09/01/22 14:57	09/02/22 19:39		
Surrogates								
o-Terphenyl (S)	46	%.	50-150	1	09/01/22 14:57	09/02/22 19:39	84-15-1	2M
n-Triacontane (S)	40	%.	50-150	1	09/01/22 14:57	09/02/22 19:39		2M
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range SG	ND	mg/L	0.40	1	09/01/22 13:43	09/13/22 13:40	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	09/01/22 13:43	09/13/22 13:40	64742-65-0	
Surrogates								
o-Terphenyl (S)	39	%.	50-150	1	09/01/22 13:43	09/13/22 13:40	84-15-1	1M
n-Triacontane (S)	37	%.	50-150	1	09/01/22 13:43	09/13/22 13:40		1M
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis							
TPH as Gas	ND	ug/L	100	1		09/02/22 20:07		
Surrogates								
a,a,a-Trifluorotoluene (S)	98	%.	50-150	1		09/02/22 20:07	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10623698

Sample: YVS-201-20220830 **Lab ID: 10623698004** Collected: 08/30/22 09:25 Received: 08/31/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV UST	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Benzene	ND	ug/L	1.0	1		09/02/22 18:00	71-43-2	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	102	%.	75-125	1		09/02/22 18:00	2199-69-1	
4-Bromofluorobenzene (S)	90	%.	75-125	1		09/02/22 18:00	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		09/02/22 18:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10623698

QC Batch: 838484
QC Batch Method: NWTPH-Gx
Analysis Method: NWTPH-Gx
Analysis Description: NWTPH-Gx Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10623698001, 10623698003, 10623698004

METHOD BLANK: 4438836 Matrix: Water
Associated Lab Samples: 10623698001, 10623698003, 10623698004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/02/22 13:37	
a,a,a-Trifluorotoluene (S)	%.	104	50-150	09/02/22 13:37	

METHOD BLANK: 4438837 Matrix: Water
Associated Lab Samples: 10623698001, 10623698003, 10623698004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	09/02/22 16:52	
a,a,a-Trifluorotoluene (S)	%.	102	50-150	09/02/22 16:52	

LABORATORY CONTROL SAMPLE & LCSD: 4438838 4438839

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	926	822	93	82	75-125	12	20	
a,a,a-Trifluorotoluene (S)	%.				107	100	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4438842 4438843

Parameter	Units	10623698003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	1000	1000	862	852	83	82	65-126	1	30	
a,a,a-Trifluorotoluene (S)	%.						102	99	50-150			

SAMPLE DUPLICATE: 4438840

Parameter	Units	10623882002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	110	115	4	30	
a,a,a-Trifluorotoluene (S)	%.	105	103			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10623698

SAMPLE DUPLICATE: 4438841

Parameter	Units	10623698003 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	36.5J		30	
a,a,a-Trifluorotoluene (S)	%.	98	99			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10623698

QC Batch: 838251
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV UST-WATER
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10623698001, 10623698003

METHOD BLANK: 4437602 Matrix: Water
Associated Lab Samples: 10623698001, 10623698003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/02/22 20:52	
1,2-Dichlorobenzene-d4 (S)	%.	99	75-125	09/02/22 20:52	
4-Bromofluorobenzene (S)	%.	103	75-125	09/02/22 20:52	
Toluene-d8 (S)	%.	101	75-125	09/02/22 20:52	

LABORATORY CONTROL SAMPLE: 4437603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.4	97	73-125	
1,2-Dichlorobenzene-d4 (S)	%.			101	75-125	
4-Bromofluorobenzene (S)	%.			102	75-125	
Toluene-d8 (S)	%.			96	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4437604 4437605

Parameter	Units	10623698003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	19.5	19.8	97	99	65-140	1	30	
1,2-Dichlorobenzene-d4 (S)	%.						99	102	75-125			
4-Bromofluorobenzene (S)	%.						101	100	75-125			
Toluene-d8 (S)	%.						97	98	75-125			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10623698

QC Batch: 838488
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV UST-WATER
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10623698004

METHOD BLANK: 4438868 Matrix: Water
Associated Lab Samples: 10623698004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	09/02/22 13:27	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125	09/02/22 13:27	
4-Bromofluorobenzene (S)	%.	93	75-125	09/02/22 13:27	
Toluene-d8 (S)	%.	100	75-125	09/02/22 13:27	

LABORATORY CONTROL SAMPLE & LCSD: 4438869 4438870

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	20	19.1	17.7	95	88	73-125	8	20	
1,2-Dichlorobenzene-d4 (S)	%.				97	104	75-125			
4-Bromofluorobenzene (S)	%.				96	96	75-125			
Toluene-d8 (S)	%.				101	102	75-125			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10623698

QC Batch: 838261
QC Batch Method: EPA 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10623698002, 10623698003, 10623698004

METHOD BLANK: 4437644 Matrix: Water
Associated Lab Samples: 10623698002, 10623698003, 10623698004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	ND	0.40	09/02/22 18:44	
Motor Oil Range	mg/L	ND	0.40	09/02/22 18:44	
n-Triacontane (S)	%.	76	50-150	09/02/22 18:44	
o-Terphenyl (S)	%.	68	50-150	09/02/22 18:44	

LABORATORY CONTROL SAMPLE: 4437645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range	mg/L	2	1.5	76	50-150	
Motor Oil Range	mg/L	2	1.5	77	50-150	
n-Triacontane (S)	%.			77	50-150	
o-Terphenyl (S)	%.			73	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4437646 4437647

Parameter	Units	10623698003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range	mg/L	1.8	2	1.9	2.7	3.4	46	83	50-150	22	30	M1
Motor Oil Range	mg/L	0.74	2	1.9	1.8	2.2	51	74	50-150	21	30	
n-Triacontane (S)	%.						50	64	50-150			
o-Terphenyl (S)	%.						61	67	50-150			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10623698

QC Batch: 838259
QC Batch Method: EPA 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV SG
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10623698002, 10623698003, 10623698004

METHOD BLANK: 4437635 Matrix: Water
Associated Lab Samples: 10623698002, 10623698003, 10623698004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	09/13/22 12:44	
Motor Oil Range SG	mg/L	ND	0.40	09/13/22 12:44	
n-Triacontane (S)	%.	74	50-150	09/13/22 12:44	
o-Terphenyl (S)	%.	62	50-150	09/13/22 12:44	

LABORATORY CONTROL SAMPLE: 4437636

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range SG	mg/L	2	1.5	74	50-150	
Motor Oil Range SG	mg/L	2	1.6	79	50-150	
n-Triacontane (S)	%.			71	50-150	
o-Terphenyl (S)	%.			63	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4437637 4437638

Parameter	Units	10623698003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range SG	mg/L	ND	2	1.9	1.2	1.5	41	63	50-150	28	30	M1
Motor Oil Range SG	mg/L	ND	2	1.9	1.1	1.4	46	62	50-150	22	30	M1
n-Triacontane (S)	%.						42	62	50-150			1M
o-Terphenyl (S)	%.						53	59	50-150			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: Yakima Valley Spray
Pace Project No.: 10623698

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 838488

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1M	Surrogate recovery outside laboratory control limits due to being concentraited again during silica clean up.
2M	Surrogate recovery outside laboratory control limits due to matrix interference.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
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Minneapolis, MN 55414
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Yakima Valley Spray
Pace Project No.: 10623698

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10623698002	**YVS-3-20220830**	EPA 3510C	838261	NWTPH-Dx	838571
10623698003	**YVS-2-20220830**	EPA 3510C	838261	NWTPH-Dx	838571
10623698004	**YVS-201-20220830**	EPA 3510C	838261	NWTPH-Dx	838571
10623698002	**YVS-3-20220830**	EPA 3510C	838259	NWTPH-Dx	840191
10623698003	**YVS-2-20220830**	EPA 3510C	838259	NWTPH-Dx	840191
10623698004	**YVS-201-20220830**	EPA 3510C	838259	NWTPH-Dx	840191
10623698001	**TB-20220830**	NWTPH-Gx	838484		
10623698003	**YVS-2-20220830**	NWTPH-Gx	838484		
10623698004	**YVS-201-20220830**	NWTPH-Gx	838484		
10623698001	**TB-20220830**	EPA 8260D	838251		
10623698003	**YVS-2-20220830**	EPA 8260D	838251		
10623698004	**YVS-201-20220830**	EPA 8260D	838488		

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Reques

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fiel

WO# : 10623698

10623698

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	ANCHOR QEA, LLC	Report To:	LABDATAATTACH@ANCHORQEA	Attention:	Accounts Payable
Address:	1201 3rd Avenue, Suite 2600	Copy To:	CFIELDS@ANCHORQEA.com, CCM	Company Name:	ANCHOR QEA, LLC
	Seattle, WA 98101			Address:	1201 3rd Avenue, Suite 2600
Email To:	LABDATAATTACH@ANCHORQEA.com	Purchase Order No.	192024-01.01	Pace Quote Reference:	
Phone:	206-287-9130 Fax:	Client Project ID:	Yakima Valley Spray	Pace Project Manager:	Jennifer Gross
Requested Due Date/TAT:	10 Day (Standard)	Container Order Number:		Pace Profile #:	40757 / 1

Regulatory Agency
State / Location
WA / Yakima

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM#	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	NWTPH-DX	NWTPH-Dx + Silica Gel	Benzene by 8260	NWTPH-Gx	Residual Chlorine (Y/N)	
1	TB-20220830	WT	G	8-30-22	0700				4				X							X	X			(W)
2	YVS-3-20220830	WT	G		0810				2				X						X	X				QL
3	YVS-2-20220830	WT	G		0928				24				X						X	X	X	X	MS/MSD	W3
4	YVS-201-20220830	WT	G	8-30-22	0925				8				X						X	X	X	X		QM
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*Pesticides by 8081: 4,4-DDT, Aldrin, Dieldrin, beta-BHC, gamma-BHC (Lindane)	STEPHEN STREETER/AQ	8-30-22	1530		8/31/22	800	2.6	Y	Y	Y

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	STEPHEN STREETER		
SIGNATURE of SAMPLER:	SS	DATE Signed:	8-30-22

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Sample Condition Upon Receipt

Client Name: Anchor QEA LLC

Project #: **WO#: 10623698**
PM: JMG Due Date: 09/15/22
CLIENT: ANCHOR QEA

Courier: ☑ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 5465 1820 8743 ☐ See Exceptions ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other **Temp Blank?** ☑ Yes ☐ No

Thermometer: ☐ T1 (0461) ☐ T2 (1336) ☑ T3 (0459) ☐ T4 (0254) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ 01339252/1710 **Type of Ice:** ☑ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☑ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6 °C **Cooler temp Read w/Temp Blank:** 2.5 °C

Correction Factor: +0.1 **Cooler Temp Corrected w/temp blank:** 2.6 °C

Average Corrected Temp (no temp blank only): _____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: ☑ N/A, water sample/other: _____) **Date/Initials of Person Examining Contents:** 8/31/22 MV

Did samples originate in a quarantine zone within the United States: AL, AR, AZ CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

Location (Check one): ☐ Duluth ☑ Minneapolis ☐ Virginia				**COMMENTS**
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4. If fecal: ☐ <8 hrs ☐ >8 hr, <24 ☐ No
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E.coli ☐ BOD/cBOD ☐ Hex Chrom ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Sample Volume?	☑ Yes	☐ No		7.
Correct Containers Used? -Pace Containers Used?	☑ Yes ☑ Yes	☐ No ☐ No	☐ N/A	8.
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other	☑ Yes	☐ No		11. **If no, write ID/Date/Time of container below:** ☐ See Exceptions ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	12. Sample # ☐ NaOH ☐ HNO3 ☐ H2SO4 ☐ Zinc Acetate
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxins/PFAS (*If adding preservative to a container, it must be added to associated field and equipment blanks--verify with PM first.)	x Yes	☐ No	~~☐ N/A~~	Positive for Residual Chlorine? ☐ Yes ☐ No ☐ See Exceptions ENV-FRM-MIN4-0142 pH Paper Lot #
	JMG 9/1/22			Residual Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Headspace in Methyl Mercury Container?	☐ Yes	☐ No	☑ N/A	13.
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☑ N/A	14. ☐ See Exceptions ENV-FRM-MIN4-0142
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☑ N/A	
3 Trip Blanks Present?	☑ Yes	☐ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	Pace Trip Blank Lot # (if purchased): 372008

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Jenni Gross **Date:** 9/1/22

NOTE: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled By: _____ **Line:** _____

NA01

Quarter 4

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

November 21, 2022

Nik Bacher
Anchor QEA, LLC
720 Olive Way
Suite 1900
Seattle, WA 98101

RE: Project: Yakima Valley Spray
Pace Project No.: 10632881

Dear Nik Bacher:

Enclosed are the analytical results for sample(s) received by the laboratory on November 08, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Anchor QEA QA representative, Anchor QEA, LLC
Halah Voges, Anchor QEA, LLC

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: Yakima Valley Spray
Pace Project No.: 10632881

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: Yakima Valley Spray
Pace Project No.: 10632881

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10632881001	**TB-20221107**	Water	11/07/22 08:00	11/08/22 08:50
10632881002	**YVS-2-20221107**	Water	11/07/22 09:50	11/08/22 08:50
10632881003	**YVS-201-20221107**	Water	11/07/22 10:00	11/08/22 08:50

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(612)607-1700

SAMPLE ANALYTE COUNT

Project: Yakima Valley Spray
Pace Project No.: 10632881

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10632881001	**TB-20221107**	NWTPH-Gx	TM2	2	PASI-M
		EPA 8260D	TKL	4	PASI-M
10632881002	**YVS-2-20221107**	NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Gx	TM2	2	PASI-M
		EPA 8260D	TKL	4	PASI-M
10632881003	**YVS-201-20221107**	NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Dx	EB3	4	PASI-M
		NWTPH-Gx	TM2	2	PASI-M
		EPA 8260D	TKL	4	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10632881

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS LV
Client: Anchor QEA, LLC
Date: November 21, 2022

General Information:
2 samples were analyzed for NWTPH-Dx by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10632881

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS Silica Gel LV
Client: Anchor QEA, LLC
Date: November 21, 2022

General Information:
2 samples were analyzed for NWTPH-Dx by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 852455

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10632881002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 4507085)
  - Diesel Fuel Range SG

Additional Comments:

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10632881

Method: **NWTPH-Gx**
Description: NWTPH-Gx GCV
Client: Anchor QEA, LLC
Date: November 21, 2022

General Information:
3 samples were analyzed for NWTPH-Gx by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10632881

Method: **EPA 8260D**
Description: 8260D MSV UST
Client: Anchor QEA, LLC
Date: November 21, 2022

General Information:
3 samples were analyzed for EPA 8260D by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10632881

Sample: TB-20221107 **Lab ID: 10632881001** Collected: 11/07/22 08:00 Received: 11/08/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
	Pace Analytical Services - Minneapolis							
TPH as Gas	ND	ug/L	100	1		11/10/22 12:49		
Surrogates								
a,a,a-Trifluorotoluene (S)	107	%.	50-150	1		11/10/22 12:49	98-08-8	
8260D MSV UST	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Benzene	ND	ug/L	1.0	1		11/10/22 07:31	71-43-2	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		11/10/22 07:31	2199-69-1	
4-Bromofluorobenzene (S)	97	%.	75-125	1		11/10/22 07:31	460-00-4	
Toluene-d8 (S)	98	%.	75-125	1		11/10/22 07:31	2037-26-5	

Sample: YVS-2-20221107 **Lab ID: 10632881002** Collected: 11/07/22 09:50 Received: 11/08/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510C							
	Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**1.2**	mg/L	0.40	1	11/09/22 13:15	11/11/22 14:34	68334-30-5	
Motor Oil Range	**0.52**	mg/L	0.40	1	11/09/22 13:15	11/11/22 14:34		
Surrogates								
o-Terphenyl (S)	77	%.	50-150	1	11/09/22 13:15	11/11/22 14:34	84-15-1	
n-Triacontane (S)	76	%.	50-150	1	11/09/22 13:15	11/11/22 14:34		
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510C							
	Pace Analytical Services - Minneapolis							
Diesel Fuel Range SG	**0.56**	mg/L	0.40	1	11/09/22 13:18	11/18/22 19:00	68334-30-5	M1
Motor Oil Range SG	ND	mg/L	0.40	1	11/09/22 13:18	11/18/22 19:00	64742-65-0	
Surrogates								
o-Terphenyl (S)	70	%.	50-150	1	11/09/22 13:18	11/18/22 19:00	84-15-1	
n-Triacontane (S)	68	%.	50-150	1	11/09/22 13:18	11/18/22 19:00		
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx							
	Pace Analytical Services - Minneapolis							
TPH as Gas	ND	ug/L	100	1		11/10/22 13:04		
Surrogates								
a,a,a-Trifluorotoluene (S)	105	%.	50-150	1		11/10/22 13:04	98-08-8	
8260D MSV UST	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Benzene	ND	ug/L	1.0	1		11/10/22 08:18	71-43-2	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	102	%.	75-125	1		11/10/22 08:18	2199-69-1	
4-Bromofluorobenzene (S)	96	%.	75-125	1		11/10/22 08:18	460-00-4	
Toluene-d8 (S)	97	%.	75-125	1		11/10/22 08:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10632881

Sample: YVS-201-20221107 **Lab ID: 10632881003** Collected: 11/07/22 10:00 Received: 11/08/22 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**1.2**	mg/L	0.40	1	11/09/22 13:15	11/11/22 15:08	68334-30-5	
Motor Oil Range	**0.55**	mg/L	0.40	1	11/09/22 13:15	11/11/22 15:08		
Surrogates								
o-Terphenyl (S)	81	%.	50-150	1	11/09/22 13:15	11/11/22 15:08	84-15-1	
n-Triacontane (S)	80	%.	50-150	1	11/09/22 13:15	11/11/22 15:08		
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range SG	**0.47**	mg/L	0.40	1	11/09/22 13:18	11/18/22 19:35	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	11/09/22 13:18	11/18/22 19:35	64742-65-0	
Surrogates								
o-Terphenyl (S)	85	%.	50-150	1	11/09/22 13:18	11/18/22 19:35	84-15-1	
n-Triacontane (S)	83	%.	50-150	1	11/09/22 13:18	11/18/22 19:35		
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis							
TPH as Gas	ND	ug/L	100	1		11/10/22 14:19		
Surrogates								
a,a,a-Trifluorotoluene (S)	104	%.	50-150	1		11/10/22 14:19	98-08-8	
8260D MSV UST	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Benzene	ND	ug/L	1.0	1		11/10/22 08:34	71-43-2	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		11/10/22 08:34	2199-69-1	
4-Bromofluorobenzene (S)	96	%.	75-125	1		11/10/22 08:34	460-00-4	
Toluene-d8 (S)	97	%.	75-125	1		11/10/22 08:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10632881

QC Batch: 852733 | Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx | Analysis Description: NWTPH-Gx Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10632881001, 10632881002, 10632881003

METHOD BLANK: 4508768 Matrix: Water
Associated Lab Samples: 10632881001, 10632881002, 10632881003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	11/10/22 12:35	
a,a,a-Trifluorotoluene (S)	%.	108	50-150	11/10/22 12:35	

LABORATORY CONTROL SAMPLE & LCSD: 4508770 4508771

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	984	929	98	93	75-125	6	20	
a,a,a-Trifluorotoluene (S)	%.				110	105	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4508773 4508774

Parameter	Units	10632881002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	1000	1000	971	963	94	93	65-126	1	30	
a,a,a-Trifluorotoluene (S)	%.						107	107	50-150			

SAMPLE DUPLICATE: 4508772

Parameter	Units	10632881002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	33.1J		30	
a,a,a-Trifluorotoluene (S)	%.	105	108			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10632881

QC Batch: 852527
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV UST-WATER
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10632881001, 10632881002, 10632881003

METHOD BLANK: 4507454 Matrix: Water
Associated Lab Samples: 10632881001, 10632881002, 10632881003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	11/10/22 07:00	
1,2-Dichlorobenzene-d4 (S)	%.	101	75-125	11/10/22 07:00	
4-Bromofluorobenzene (S)	%.	97	75-125	11/10/22 07:00	
Toluene-d8 (S)	%.	98	75-125	11/10/22 07:00	

LABORATORY CONTROL SAMPLE: 4507455

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.4	97	73-125	
1,2-Dichlorobenzene-d4 (S)	%.			99	75-125	
4-Bromofluorobenzene (S)	%.			100	75-125	
Toluene-d8 (S)	%.			98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4507456 4507457

Parameter	Units	10632881002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	18.1	18.6	90	92	65-140	3	30	
1,2-Dichlorobenzene-d4 (S)	%.						99	100	75-125			
4-Bromofluorobenzene (S)	%.						99	100	75-125			
Toluene-d8 (S)	%.						98	99	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10632881

QC Batch: 852316
QC Batch Method: EPA 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10632881002, 10632881003

METHOD BLANK: 4506646 Matrix: Water
Associated Lab Samples: 10632881002, 10632881003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	ND	0.40	11/11/22 13:48	
Motor Oil Range	mg/L	ND	0.40	11/11/22 13:48	
n-Triacontane (S)	%.	91	50-150	11/11/22 13:48	
o-Terphenyl (S)	%.	86	50-150	11/11/22 13:48	

LABORATORY CONTROL SAMPLE: 4506647

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range	mg/L	2	1.6	79	50-150	
Motor Oil Range	mg/L	2	1.9	95	50-150	
n-Triacontane (S)	%.			91	50-150	
o-Terphenyl (S)	%.			91	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4507080 4507081

Parameter	Units	10632881002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range	mg/L	1.2	2	2	2.3	2.3	55	53	50-150	1	30	
Motor Oil Range	mg/L	0.52	2	2	1.9	1.9	70	69	50-150	0	30	
n-Triacontane (S)	%.						75	67	50-150			
o-Terphenyl (S)	%.						77	71	50-150			

SAMPLE DUPLICATE: 4506691

Parameter	Units	10632588001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	0.12J	ND		30	
Motor Oil Range	mg/L	0.32J	.29J		30	
n-Triacontane (S)	%.	97	90			
o-Terphenyl (S)	%.	92	84			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10632881

QC Batch: 852455
QC Batch Method: EPA 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV SG
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10632881002, 10632881003

METHOD BLANK: 4507082 Matrix: Water
Associated Lab Samples: 10632881002, 10632881003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	11/18/22 18:37	
Motor Oil Range SG	mg/L	ND	0.40	11/18/22 18:37	
n-Triacontane (S)	%.	76	50-150	11/18/22 18:37	
o-Terphenyl (S)	%.	73	50-150	11/18/22 18:37	

LABORATORY CONTROL SAMPLE: 4507083

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range SG	mg/L	2	1.6	80	50-150	
Motor Oil Range SG	mg/L	2	1.9	96	50-150	
n-Triacontane (S)	%.			82	50-150	
o-Terphenyl (S)	%.			83	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4507084 4507085

Parameter	Units	10632881002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range SG	mg/L	0.56	2	2	1.6	1.5	54	46	50-150	9	30	M1
Motor Oil Range SG	mg/L	ND	2	2	1.6	1.4	61	52	50-150	12	30	
n-Triacontane (S)	%.						69	62	50-150			
o-Terphenyl (S)	%.						71	65	50-150			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: Yakima Valley Spray
Pace Project No.: 10632881

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Yakima Valley Spray
Pace Project No.: 10632881

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10632881002	**YVS-2-20221107**	EPA 3510C	852316	NWTPH-Dx	853255
10632881003	**YVS-201-20221107**	EPA 3510C	852316	NWTPH-Dx	853255
10632881002	**YVS-2-20221107**	EPA 3510C	852455	NWTPH-Dx	854630
10632881003	**YVS-201-20221107**	EPA 3510C	852455	NWTPH-Dx	854630
10632881001	**TB-20221107**	NWTPH-Gx	852733		
10632881002	**YVS-2-20221107**	NWTPH-Gx	852733		
10632881003	**YVS-201-20221107**	NWTPH-Gx	852733		
10632881001	**TB-20221107**	EPA 8260D	852527		
10632881002	**YVS-2-20221107**	EPA 8260D	852527		
10632881003	**YVS-201-20221107**	EPA 8260D	852527		

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	ANCHOR QEA, LLC	Report To:	NICK BACHER	Attention:	Accounts Payable
Address:	1201 3rd Avenue, Suite 2600	Copy To:	NBACHER@ANCHORQEA.COM	Company Name:	ANCHOR QEA, LLC
	Seattle, WA 98101			Address:	1201 3rd Avenue, Suite 2600
Email To:	LABDATAATTACH@ANCHORQEA.COM	Purchase Order No.	192124-01-C1	Pace Quote Reference:	
Phone:	206 2879730 Fax:	Client Project ID:	Yakima Valley Spray	Pace Project Manager:	Jennifer Gross
Requested Due Date/TAT:	10 Day (Standard)	Container Order Number:		Pace Profile #:	40757 / 1

Regulatory Agency	
State / Location	WA / Yakima

WO# : 10632881

10632881

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM#	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	NWTPH-DX	NWTPH-Dx + Silica Gel	Benzene by 8260	NWTPH-Gx	Residual Chlorine (Y/N)	
1	TB-20221107	WT	G	11-7-22	0800				4												X	X		001
2	YVS-2-20221107	WT	G	11-7-22	0950				22				X						X	X	X	X	MS/MSD	002
3	YVS-201-20221107	WT	G	11-7-22	1000				8				X						X	X	X	X		003
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

SS 11-7-22

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*Pesticides by 8081: 4,4-DDT, Aldrin, Dieldrin, beta-BHC,	STEPHEN STREET	11-7-22	1700	[illegible] Paul	11/8/22	8:50	2.2	Y	Y	Y
gamma-BHC (Lindane)										
GROUNDWATER SAMPLES										
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	STEPHEN STREET	
SIGNATURE of SAMPLER:	SBS	DATE Signed: 11-7-22

Sample Condition Upon Receipt

Client Name: Anchor QEA

Project #: WO#: 10632881

PM: JMG Due Date: 11/22/22
CLIENT: ANCHOR QEA

Courier: ☑ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 540518245508 ☐ See Exceptions ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other **Temp Blank?** ☑ Yes ☐ No

Thermometer: ☐ T1 (0461) ☐ T2 (1336) ☐ T3 (0459) ☐ T4 (0254) ☐ T5 (0178) ☑ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ 01339252/1710

Type of Ice: ☑ Wet ☐ Blue ☐ Dry ☐ None ☑ Melted

Did Samples Originate in West Virginia? ☐ Yes ☑ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6 °C **Cooler temp Read w/Temp Blank:** 3.1 °C

Correction Factor: add 0.1 **Cooler Temp Corrected w/temp blank:** 3.2 °C

Average Corrected Temp (no temp blank only): ____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☑ N/A, water sample/other: ____)

Date/Initials of Person Examining Contents: 11/8/22 AP CT

Did samples originate in a quarantine zone within the United States: AL, AR, AZ CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

Location (Check one): ☐ Duluth ☑ Minneapolis ☐ Virginia				**COMMENTS**
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4. If fecal: ☐ <8 hrs ☐ >8 hr, <24 ☐ No
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E.coli ☐ BOD/cBOD ☐ Hex Chrom ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other ____
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Sample Volume?	☑ Yes	☐ No		7.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	8.
-Pace Containers Used?	☑ Yes	☐ No		
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other	☑ Yes	☐ No		11. **If no, write ID/Date/Time of container below:** ☐ See Exceptions ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes	☐ No	☑ N/A	☐ NaOH ☐ HNO3 ☐ H2SO4 ☐ Zinc Acetate
Exceptions: VOA Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxins/PFAS (*If adding preservative to a container, it must be added to associated field and equipment blanks--verify with PM first.)	☑ Yes	☐ No	☐ N/A	Positive for Residual Chlorine? ☐ Yes ☐ No ☐ See Exceptions ENV-FRM-MIN4-0142 **pH Paper Lot #** Residual Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Headspace in Methyl Mercury Container?	☐ Yes	☐ No	☑ N/A	13.
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☑ N/A	14. ☐ See Exceptions ENV-FRM-MIN4-0142
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☑ N/A	
3 Trip Blanks Present?	☑ Yes	☐ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	Pace Trip Blank Lot # (if purchased): 391709 (4)

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: ____ Date/Time: ____

Comments/Resolution: ____

Project Manager Review: Jenni Gross **Date:** 11/9/22

NOTE: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled By: AOC2 **Line:** 1

Appendix D
Data Validation Reports

Quarter 1

1201 3rd Avenue, Suite 2600
Seattle, Washington 98101
206.287.9130

ANCHOR QEA

Data Validation Report – EPA Stage 2A

May 2, 2022

Project: Yakima Valley Spray/U-Haul Facility Groundwater Monitoring

Project Number: 192024-01.01

Validation ID: AQ-2022-553580

This report summarizes the review of analytical results for three water samples, one field duplicate, and one trip blank sample collected on March 28, 2022. The samples were collected by Anchor QEA, LLC, and submitted to Pace Analytical Services, LLC. (Pace), in Minneapolis, Minnesota. The samples were analyzed for the following parameters:

- Organochlorine pesticides by U.S. Environmental Protection Agency (USEPA) Method 8081B
- Total petroleum hydrocarbons (TPH) gasoline range organics (GRO) by Northwest (NW) TPH method NWTPH-Gx
- TPH diesel range organics (DRO) and motor-oil range organics (MRO) by method NWTPH-Dx (with and without silica gel cleanup (SGC)
- Dissolved metals by USEPA Method 200.8
- Volatile organic compounds (VOCs) by USEPA Method 8260D

Pace sample data group (SDG) number 10602384 was reviewed in this report. Sample IDs, matrices, and analyses are presented in Table 1.

Table 1
Location IDs, Matrix, and Analyses

Location ID	COC Sample ID	Pace Sample ID	Matrix	Analyses
YVS-1B	YVS-1B-20220328	10602384001	Water	TPH-DRO, TPH-MRO, TPH-GRO, metals, VOCs
YVS-2	YVS-2-20220328	10602384002	Water	TPH-DRO, TPH-MRO, TPH-GRO, metals, VOCs, pesticides
YVS-3	YVS-3-20220328	10602384003	Water	TPH-DRO, TPH-MRO
Trip blank	TB-20220328	10602384004	Water	VOCs
YVS-2 (FD)	YVS-201-20220328	10602384005	Water	TPH-DRO, TPH-MRO, TPH-GRO, metals, VOCs, pesticides

Notes:
FD: field duplicate

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control guidelines outlined in the analytical procedures. Laboratory results were reviewed using the laboratory control limits and the following guidelines:

- *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (USEPA 1986)*

- *National Functional Guidelines for Inorganic Superfund Data Review* (USEPA 2020a)
- *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA 2020b)

Unless noted in this report, laboratory results for the samples listed in Table 1 were within quality control criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by Pace at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Holding Times and Sample Preservation

Samples were appropriately preserved and analyzed within holding times except for silica gel TPH-DRO and TPH-MRO analyzed on samples YVS-1B-20220382 and YVS-2-20220328 which were extracted two days outside the recommended hold time. Results for these samples have been qualified as "UJ" to indicate they are estimated.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies. All method blanks were free of target analytes.

Field Quality Control

Trip Blanks

One trip blank was collected in association with this sample set and analyzed for VOCs. No target analytes were detected in the trip blank.

Field Duplicates

One field duplicate was collected in association with this sample set. If either the parent or the field duplicate result was less than five times the RL, results were evaluated by the difference between them, using the control limit of ± RL. All RPD or difference values were within control limits.

Detected results are summarized in Table 2.

Table 2
Field Duplicate Summary

Analyte	YVS-2-20220328	YVS-201-20220328	RPD	Difference	Difference CL
Dissolved arsenic	2.8 µg/L	2.8 ug/L	0.0%	--	--

Analyte	YVS-2-20220328	YVS-201-20220328	RPD	Difference	Difference CL
TPH-DRO	0.67 mg/L	0.73 mg/L	--	0.06 mg/L	0.40 mg/L
TPH-GRO	1110 µg/L	1180 ug/L	6.1%	--	--
Benzene	8.9 µg/L	7.8 ug/L	13.2%	--	--

Notes:
µg/L: microgram per liter
mg/L: per liter
CL: control limit

Surrogates

Surrogates were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory control limits except for n-triacontane in the silica gel TPH-DRO and TPH-MRO analysis of sample YVS-201-20220328, which recovered below the laboratory control limit. The results were qualified "UJ" to indicate a potentially low bias.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory-required control limits.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequency. All MS/MSD recoveries and MS/MSD RPDs were within laboratory control limits with the following exceptions:

- Volatiles: The benzene MS analyzed on sample YVS-2-20220328 recovered above the control limit. The associated sample result has been qualified "J" to indicate a potentially high bias.
- TPHD: The TPH-DRO and TPH-MRO MS analyzed on YVS-2-20220328 recovered below the control limits. The associated sample results have been qualified "J" and "UJ" to indicate a potentially low bias.
- TPHD (with silica gel clean-ups): The TPH-DRO MS analyzed on YVS-2-20220328 recovered below the control limit. The associated sample result has been qualified "UJ" to indicate a potentially low bias.

Qualified results are summarized in Table 3.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency or LCSD or MSD samples were analyzed in their place. Laboratory duplicates analyzed on non-project samples were not evaluated.

Method Reporting Limits

RLs were acceptable as reported. All values were reported using the laboratory RLs.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods, and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the LCS and MS/MSD recovery values, with exceptions noted in prior sections. Precision was acceptable as demonstrated by the laboratory duplicate, field duplicate, and MS/MSD RPD values or difference values. All data were acceptable as reported or qualified.

See Table 3 for a summary of qualified data.

Data Qualifier Definitions

J Indicates an estimated value.

R Indicates the result is rejected and unusable.

U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.

UJ Indicates the compound or analyte of interest was analyzed for but not detected and the specified limit reported is estimated.

Table 3
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
YVS-1B-20220328	TPH	TPH-DRO (SG)	0.4U mg/L	0.4UJ mg/L	Hold time exceedance
		TPH-MRO (SG)	0.4U mg/L	0.4UJ mg/L	
YVS-201-20220328	TPH	TPH-DRO (SG)	0.4U mg/L	0.4UJ mg/L	Surrogate %R below control limit
		TPH-MRO (SG)	0.4U mg/L	0.4UJ mg/L	
YVS-2-20220328	TPH	TPH-DRO	0.67 mg/L	0.67J mg/L	MS %R below control limit
		TPH-MRO	0.4U mg/L	0.4UJ mg/L	
		TPH-DRO (SG)	0.4U mg/L	0.4UJ mg/L	Hold time exceedance / MS %R below control limit
		TPH-MRO (SG)	0.4U mg/L	0.4UJ mg/L	Hold time exceedance
	VOCs	Benzene	8.9 µg/L	8.9J µg/L	MS %R above control limit

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
%R: percent recovery
SG: silica gel

References

USEPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. Third Edition. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846. September 1986.

USEPA, 2020a. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

USEPA, 2020b. *National Functional Guidelines for Superfund Organic Methods Data Review*. Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-005. November 2020.

Quarter 2

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ANCHOR QEA

Data Validation Report – EPA Stage 2A

July 15, 2022

Project: Yakima Valley Spray/U-Haul Facility Groundwater Monitoring

Project Number: 192024-01.01

Validation ID: AQ-2022-553602

This report summarizes the review of analytical results for three water samples, one field duplicate, and one trip blank sample collected on June 09, 2022. The samples were collected by Anchor QEA, LLC, and submitted to Pace Analytical Services, LLC. (Pace), in Minneapolis, Minnesota. The samples were analyzed for the following parameters:

- Total petroleum hydrocarbons (TPH) gasoline range organics (GRO) by Northwest (NW) TPH method NWTPH-Gx
- TPH diesel range organics (DRO) and motor-oil range organics (MRO) by method NWTPH-Dx (with and without silica gel cleanup (SGC)
- Volatile organic compounds (VOCs) by USEPA Method 8260D

Pace sample data group (SDG) number 10612290 was reviewed in this report. Sample IDs, matrices, and analyses are presented in Table 1.

Table 1
Location IDs, Matrix, and Analyses

Location ID	COC Sample ID	Pace Sample ID	Matrix	Analyses
Trip blank	TB-20220609	10612290001	Water	TPH-GRO, VOCs
YVS-1B	YVS-1B-20220609	10612290002	Water	TPH-DRO, TPH-MRO
YVS-2	YVS-2-20220609	10612290004	Water	TPH-DRO, TPH-MRO, TPH-GRO, VOCs
YVS-2 (FD)	YVS-201-20220609	10612290005	Water	TPH-DRO, TPH-MRO, TPH-GRO, VOCs,
YVS-3	YVS-3-20220609	10612290003	Water	TPH-DRO, TPH-MRO

Notes:
FD: field duplicate

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control guidelines outlined in the analytical procedures. Laboratory results were reviewed using the laboratory control limits and the following guidelines:

- *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (USEPA 1986)*
- *National Functional Guidelines for Inorganic Superfund Data Review* (USEPA 2020a)
- *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA 2020b)

Unless noted in this report, laboratory results for the samples listed in Table 1 were within quality control criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody forms were signed by Pace at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Holding Times and Sample Preservation

Samples were appropriately preserved and analyzed within holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies. All method blanks were free of target analytes.

Field Quality Control

Trip Blanks

One trip blank was collected in association with this sample set and analyzed for VOCs and TPH-G. No target analytes were detected in the trip blank.

Field Duplicates

One field duplicate was collected in association with this sample set. If either the parent or the field duplicate result was less than five times the RL, results were evaluated by the difference between them, using the control limit of ± RL. All RPD or difference values were within control limits.

Detected results are summarized in Table 2.

Table 2
Field Duplicate Summary

Analyte	YVS-2-20220609	YVS-201-20220609	RPD	Difference	Difference CL
Benzene	4.6 µg/L	4.5 µg/L	--	0.09 µg/L	1 µg/L
Diesel range hydrocarbons	0.50 mg/L	0.76 mg/L	--	0.26 mg/L	0.4 mg/L
Gas Range Organics (C6-C12)	2240 µg/L	1940 µg/L	14%	--	--

Notes:
µg/L: microgram per liter

mg/L: per liter
CL: control limit

Surrogates

Surrogates were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory control limits except for the DRO and MRO surrogate n-triacontane which was below the control limit in one SGC analysis (YVS-2-20220609) and two analyses without SGC (YVS-1B-20220609 and YVS-3-20220609). Additionally, trifluorotoluene in the TPH-GRO analysis of sample YVS-2-20220609, recovered below the laboratory control limit. Sample results were qualified "UJ" to indicate a potentially low bias.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory-required control limits.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequency. MS and MSD analyses conducted on non-project samples were not included in this evaluation. All MS/MSD recoveries and MS/MSD RPDs were within laboratory control limits with the following exceptions:

- Volatiles: The RPD for the benzene MS/MSD analyzed on sample YVS-2-20220609 was above the control limit. The associated sample result was qualified "J" to indicate it is estimated.
- TPHD: The MSD %R for TPH-DRO and TPH-MRO in the MS/MSD analyzed on YVS-2-20220609 were below the control limits and the RPD was above the CL for TPH-DRO. The associated sample result was qualified "U" to indicate it is estimated.
- TPHD (with silica gel clean-ups): The TPH-DRO and TPH-MRO in the MS and MSD analyzed on YVS-2-20220609 recovered below the control limits. The associated sample results were not detected, so results were not qualified.

Laboratory Duplicates

Laboratory duplicates were not analyzed as part of this sample set.

Method Reporting Limits

RLs were acceptable as reported. All values were reported using the laboratory RLs. Sample results were reported undiluted.

Sample Analysis

Results for the pre-silica gel treated TPH-DRO and TPH-MRO analyses of samples YVS-1B-20220609 and YVS-3-20220609 were non-detect so silica gel treated analyses were not performed.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods, and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the LCS and MS/MSD recovery values, with exceptions noted in prior sections. Precision was acceptable as demonstrated by the field duplicate, and MS/MSD RPD values or difference values, with exceptions noted in prior sections. All data were acceptable as reported or qualified. Table 3 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

J Indicates an estimated value.

U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.

UJ Indicates the compound or analyte of interest was analyzed for but not detected and the specified limit reported is estimated.

Table 3
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
YVS-1B-20220609	Water	Diesel range hydrocarbons	0.4U mg/L	0.4UJ mg/L	Surrogate recovery below CL
		Oil range organics	0.4U mg/L	0.4UJ mg/L	
YVS-2-20220609-SG	Water	Diesel range hydrocarbons	0.4U mg/L	0.4UJ mg/L	Surrogate recovery below CL
		Oil range organics	0.4U mg/L	0.4UJ mg/L	
YVS-2-20220609	Water	Diesel range hydrocarbons	0.5 mg/L	0.5J mg/L	MSD %R below CL and MS/MSD RPD above CL, Surrogate recovery below CL
		Oil range organics	0.4U mg/L	0.4UJ mg/L	Surrogate recovery below CL
		Benzene	4.6 µg/L	4.6J µg/L	MS/MSD RPD above CL
		Gas Range Organics (C6-C12)	2240 µg/L	2240J µg/L	Surrogate recovery below CL
YVS-3-20220609	Water	Diesel range hydrocarbons	0.4U mg/L	0.4UJ mg/L	Surrogate recovery below CL
		Oil range organics	0.4U mg/L	0.4UJ mg/L	

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
CL: control limit

References

USEPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. Third Edition. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846. September 1986.

USEPA, 2020a. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

USEPA, 2020b. *National Functional Guidelines for Superfund Organic Methods Data Review*. Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-005. November 2020.

Quarter 3

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Data Validation Report – EPA Stage 2A

October 11, 2022

Project: Yakima Valley Spray/U-Haul Facility Groundwater Monitoring

Project Number: 192024-01.01

Validation ID: AQ-2022-553672

This report summarizes the review of analytical results for two water samples, one field duplicate, and one trip blank sample collected on August 30, 2022. The samples were collected by Anchor QEA, LLC, and submitted to Pace Analytical Services, LLC. (Pace), in Minneapolis, Minnesota. The samples were analyzed for the following parameters:

- Total petroleum hydrocarbons (TPH) gasoline range organics (GRO) by Northwest (NW) TPH method NWTPH-Gx
- TPH diesel range organics (DRO) and motor-oil range organics (MRO) by method NWTPH-Dx (with and without silica gel cleanup (SGC))
- Volatile organic compounds (benzene) by USEPA Method 8260D

Pace sample data group (SDG) number 10623698 was reviewed in this report. Sample IDs, matrices, and analyses are presented in Table 1.

Table 1
Location IDs, Matrix, and Analyses

Location ID	COC Sample ID	Pace Sample ID	Matrix	Analyses
Trip blank	TB-20220830	10623698001	Water	TPH-GRO, VOCs
YVS-3	YVS-3-20220830	10623698002	Water	TPH-DRO, TPH-MRO
YVS-2	YVS-2-20220830	10623698003	Water	TPH-DRO, TPH-MRO, TPH-GRO, VOCs
YVS-2 (FD)	YVS-201-20220830	10623698004	Water	TPH-DRO, TPH-MRO, TPH-GRO, VOCs

Notes:
FD: field duplicate

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control guidelines outlined in the analytical procedures. Laboratory results were reviewed using the laboratory control limits and the following guidelines:

- *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (*USEPA 1986*)*
- *National Functional Guidelines for Inorganic Superfund Data Review* (USEPA 2020a)
- *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA 2020b)

Unless noted in this report, laboratory results for the samples listed in Table 1 were within quality control criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody form was signed by Pace at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Holding Times and Sample Preservation

Samples were appropriately preserved and analyzed within holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies. All method blanks were free of target analytes.

Field Quality Control

Trip Blanks

One trip blank was collected in association with this sample set and analyzed for VOCs and TPH-G. No target analytes were detected in the trip blank.

Field Duplicates

One field duplicate was collected in association with this sample set. When either the parent or the field duplicate result was less than five times the RL, results were evaluated by the difference between them, using the control limit of ± RL. All difference values were within control limits.

Detected results are summarized in Table 2.

Table 2
Field Duplicate Summary

Analyte	YVS-2-20220830	YVS-201-20220830	RPD	Difference	Difference CL
Diesel range hydrocarbons	1.8J mg/L	1.6J mg/L	--	0.2 mg/L	0.42 mg/L
Oil range organics	0.74J mg/L	0.72J mg/L	--	0.02 mg/L	0.42 mg/L

Notes:
µg/L: microgram per liter
mg/L: per liter
CL: control limit

Surrogates

Surrogates were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory control limits except for the DRO and MRO surrogates n-triacontane and/or o-terphenyl which were below the control limit in the SGC and non-SGC analyses of two samples. Sample results were qualified "UJ" or "J" to indicate a potential bias.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory-required control limits.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequency. MS and MSD analyses conducted on non-project samples were not included in this evaluation. All MS/MSD recoveries and MS/MSD RPDs were within laboratory control limits with the following exceptions:

- TPH: The MS %R for TPH-DRO analyzed on YVS-2-20220830 was below the control limit. The associated parent sample result was qualified "J" to indicate it is estimated.
- TPH (with silica gel clean-ups): The TPH-DRO and TPH-MRO results in the MS analyzed on YVS-2-20220830 recovered below the control limit. The associated sample results were not detected, so were qualified "UJ" to indicate a possible low bias.

Laboratory Duplicates

One laboratory duplicate was analyzed for TPH-GRO. Results were less than five times the RL, so they were evaluated by the difference between them using the control limit of ± RL. Laboratory duplicate difference values were within laboratory control limits

Method Reporting Limits

RLs were acceptable as reported. All values were reported using the laboratory RLs. Sample results were reported undiluted.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods, and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD and MS/MSD recovery values, with exceptions noted in prior sections. Precision was acceptable as demonstrated by the laboratory duplicate, field duplicate, and MS/MSD RPD

values or difference values. All data were acceptable as reported or qualified. Table 3 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

J Indicates an estimated value.

U Indicates the compound or analyte was analyzed for but not detected at or above the specified limit.

UJ Indicates the compound or analyte of interest was analyzed for but not detected and the specified limit reported is estimated.

Table 3
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
YVS-2-20220830	Water	Oil range organics	0.74 mg/L	0.74J mg/L	Surrogate recovery below CL
		Diesel range hydrocarbons	1.8 mg/L	1.8J mg/L	MS %R below CL, Surrogate recovery below CL
YVS-2-20220830	Water	Oil range organics (SGC)	0.42U mg/L	0.42UJ mg/L	MS %R below CL, Surrogate recovery below CL
		Diesel range hydrocarbons (SGC)	0.42U mg/L	0.42UJ mg/L	MS %R below CL, Surrogate recovery below CL
YVS-201-20220830	Water	Diesel range hydrocarbons	1.6 mg/L	1.6J mg/L	Surrogate recovery below CL
		Oil range organics	0.72 mg/L	0.72J mg/L	Surrogate recovery below CL
YVS-201-20220830	Water	Diesel range hydrocarbons (SGC)	0.4U mg/L	0.4UJ mg/L	Surrogate recovery below CL
		Oil range organics (SGC)	0.4U mg/L	0.4UJ mg/L	Surrogate recovery below CL

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
CL: control limit

References

USEPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. Third Edition. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846. September 1986.

USEPA, 2020a. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-006. November 2020.

USEPA, 2020b. *National Functional Guidelines for Superfund Organic Methods Data Review*. Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-005. November 2020.

Quarter 4

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Data Validation Report – EPA Stage 2A

December 12, 2022

Project: Yakima Valley Spray/U-Haul Facility Groundwater Monitoring

Project Number: 192024-01.01

Validation ID: AQ-2022-553711

This report summarizes the review of analytical results for one water sample, one field duplicate, and one trip blank sample collected on November 7, 2022. The samples were collected by Anchor QEA, LLC, and submitted to Pace Analytical Services, LLC. (Pace), in Minneapolis, Minnesota. The samples were analyzed for the following parameters:

- Total petroleum hydrocarbons (TPH) gasoline range organics (GRO) by Northwest (NW) TPH method NWTPH-Gx
- TPH diesel range organics (DRO) and motor-oil range organics (MRO) by method NWTPH-Dx (with and without silica gel cleanup [SGC])
- Benzene by USEPA Method 8260D

Pace sample data group (SDG) number 10632881 was reviewed in this report. Sample IDs, matrices, and analyses are presented in Table 1.

Table 1
Location IDs, Matrix, and Analyses

Location ID	COC Sample ID	Pace Sample ID	Matrix	Analyses
Trip blank	TB-20221107	10632881001	Water	TPH-GRO, benzene
YVS-2	YVS-2-20221107	10632881002	Water	TPH-DRO, TPH-MRO, TPH-GRO, benzene
YVS-2 (FD)	YVS-201-20221107	10632881003	Water	TPH-DRO, TPH-MRO, TPH-GRO, benzene

Notes:
FD: field duplicate

Data Validation and Qualifications

The following comments refer to the laboratory's performance in meeting the quality assurance/quality control guidelines outlined in the analytical procedures. Laboratory results were reviewed using the laboratory control limits and the following guidelines:

- *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (*USEPA 1986*)*
- *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA 2020)

Unless noted in this report, laboratory results for the samples listed in Table 1 were within quality control criteria.

Field Documentation

Field documentation was checked for completeness and accuracy. The chain-of-custody form was signed by Pace at the time of sample receipt. Samples were received in good condition and within the recommended temperature range.

Holding Times and Sample Preservation

Samples were appropriately preserved and analyzed within holding times.

Laboratory Method Blanks

Laboratory method blanks were analyzed at the required frequencies. All method blanks were free of target analytes.

Field Quality Control

Trip Blanks

One trip blank was collected in association with this sample set and analyzed for benzene and GRO. No target analytes were detected in the trip blank.

Field Duplicates

One field duplicate was collected in association with this sample set. When either the parent or the field duplicate result was less than five times the RL, results were evaluated by the difference between them, using the control limit of ± RL. All difference values were within control limits.

Detected results are summarized in Table 2.

Table 2
Field Duplicate Summary

Analyte	YVS-2-20221107	YVS-201-20221107	RPD	Difference	Reporting Limit
Diesel range hydrocarbons	1.2 mg/L	1.2 mg/L	--	0 mg/L	1.2 mg/L
Oil range organics	0.52 mg/L	0.55 mg/L	--	0.03 mg/L	0.55 mg/L
Diesel range hydrocarbons (SGC)	0.56 mg/L	0.47 mg/L	--	0.090 mg/L	0.47 mg/L

Notes:
mg/L: milligram per liter
SGC: silica gel cleanup

Surrogates

Surrogates were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory control limits.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory-required control limits.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequency. All MS/MSD recoveries and RPDs were within laboratory control limits except for the DRO (with silica gel clean up) result in the MSD analyzed on YVS-2-20221107 which recovered below the control limit. The associated parent sample result was qualified "J" to indicate it is estimated.

Laboratory Duplicates

One laboratory duplicate was analyzed for GRO. Results were less than five times the RL, so they were evaluated by the difference between them using the control limit of ± RL. Laboratory duplicate difference values were within laboratory control limits.

Method Reporting Limits

RLs were acceptable as reported. All values were reported using the laboratory RLs. Sample results were reported undiluted.

Overall Assessment

As was determined by this evaluation, the laboratory followed the specified analytical methods, and all requested sample analyses were completed. Accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD and MS/MSD recovery values, with exceptions noted in prior sections. Precision was acceptable as demonstrated by the laboratory duplicate, field duplicate, and MS/MSD RPD values or difference values. All data were acceptable as reported or qualified. Table 3 summarizes the qualifiers applied to the sample results reviewed in this report.

Data Qualifier Definitions

J Indicates an estimated value.

Table 3
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
YVS-2-20221107	TPH-DRO	Diesel range hydrocarbons	0.56 mg/L	0.56J mg/L	MSD %R below control limit

Notes:
%R: percent recovery
mg/L: milligrams per liter
MSD: matrix spike duplicate

References

USEPA (U.S. Environmental Protection Agency), 1986. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*. Third Edition. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846. September 1986.

USEPA, 2020. *National Functional Guidelines for Superfund Organic Methods Data Review*. Office of Superfund Remediation and Technology Innovation. EPA-540-R-20-005. November 2020.