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ANCHOR QEA

Memorandum

March 23, 2022

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: 2021 Groundwater Monitoring Report
Yakima Valley Spray/U-Haul Facility
Consent Decree No. 04-2-00908-1
Washington State Department of Ecology Facility Site ID #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 Compliance Monitoring Plan (RETEC 2003a) as amended (AECOM 2013) and the sampling approach presented in the 2020 Groundwater Report (Anchor QEA 2021) and approved by Ecology via email on March, 9, 2021 (Ecology 2021). On August 18, 2019, Ecology (Ecology 2019) confirmed that most of the Indicator Hazardous Substances (IHS) at the Site have attained site-specific cleanup goals. In the 2019 letter, Ecology proposed a tiered approach to reach site closure, which included continuing performance monitoring for one IHS (diesel-range 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 2021 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 was completed in 2020. The last groundwater monitoring event prior to 2020 was conducted in March 2018 (AECOM 2019). A summary of the 2020 quarterly monitoring is described below. The quarterly monitoring conducted in 2021 is described in more detail in the following sections.

2020 Groundwater Sampling Results Summary

Results for the 2020 performance monitoring and confirmational monitoring are described in the Anchor QEA 2020 Groundwater Monitoring Report (Anchor QEA 2021). Key findings are summarized as follows, based on 2020 analytical results:

- YVS-1b and YVS-3 were moved from performance monitoring to confirmation monitoring for TPH-Dx for 2021.
- YVS-2 will remain in the performance monitoring program for 2021.
- All wells except YVS-2 were in compliance for pesticides. Quarterly monitoring of YVS-2 will continue for 2021.
- All wells except YVS-3 were in compliance with the benzene site-specific cleanup level. Quarterly monitoring of YVS-3 will continue for 2021.
- All wells except YVS-1b and YVS-2, were in compliance for gasoline-range petroleum hydrocarbons. Quarterly monitoring of YVS-1b and YVS-2 will continue for 2021.
- All wells except YS-1, which was in compliance, remain in the quarterly confirmational monitoring program for tetrachloroethene (PCE) for 2021.
- All wells except YVS-3, which was in compliance, remain in the quarterly confirmational monitoring program for arsenic for 2021.
- No additional testing of wastewater parameters (ammonia, nitrate, total dissolved solids, and fecal coliform) was proposed for 2021.

Groundwater Monitoring Network

The current groundwater monitoring network (Figure 2) at the Site consists of the following, which are a combination of 10 monitoring wells as outlined in the Compliance Monitoring Plan (as amended) 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 (OU1) 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 (OU2) 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, September, and November) during 2021. Prior to each sampling event, all wells within the groundwater monitoring network were inspected to evaluate their physical condition. Following are the 2021 well inspection findings:

- 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 sampled all four quarters in 2021, but water levels could not be measured.
- It was determined during Q1 of the 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 and 2021 monitoring events.
- YS-1 was observed to have a water level below the dedicated QED Well Wizard sampling pump during the Q1 and Q2 monitoring events and was sampled using a peristaltic pump. The remaining quarters (Q3 and Q4) were sampled using the dedicated QED Well Wizard sampling pump.
- YS-1 well housing was observed in Q4 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 2021 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 OU2.

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 above where the QED Well Wizard sampling pumps had malfunctioned or water levels were too low.

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 three 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 2021 sampling program is shown in Exhibit A.

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

- Total petroleum hydrocarbons
  - Diesel-range petroleum hydrocarbons via Northwest Total Petroleum Hydrocarbons – Diesel Extended (NWTPH-Dx) 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
- Total petroleum hydrocarbons
  - Diesel-range petroleum hydrocarbons via Northwest Total Petroleum Hydrocarbons – Diesel Extended (NWTPH-Dx) Method (with and without silica gel cleanup)
  - Gasoline-range petroleum hydrocarbons via Northwest Total Petroleum Hydrocarbons – Gasoline Extended (NWTPH-Gx) Method

Exhibit A
2021 Groundwater Sampling Program

Location ID	Type of Well	Deep/Shallow Well	Quarterly Performance Monitoring Parameters	Quarterly Confirmational Monitoring Parameters
BG-60	Background	Deep	None	Arsenic, PCE, TPH-Dx
BG-90	Background	Deep	None	Arsenic, PCE, TPH-Dx
MW-12	Background	Shallow	None	Arsenic, PCE, TPH-Dx
YVS-1b	Sentry	Shallow	None	Arsenic, PCE, TPH-Gx, TPH-Dx
YVS-2	Sentry	Shallow	TPH-Dx	Arsenic, PCE, pesticides, TPH-Gx
YS-1	Compliance	Shallow	None	Arsenic, TPH-Dx
MW-6	Compliance	Shallow	None	Arsenic, PCE, TPH-Dx
YVS-3	Compliance	Shallow	None	Benzene, PCE, TPH-Dx
YVS-3-60	Compliance	Deep	None	Arsenic, PCE, TPH-Dx
YVS-3-90	Compliance	Deep	None	Arsenic, PCE, TPH-Dx

2021 Groundwater Sampling Results

Four quarters of performance and confirmational groundwater monitoring were conducted in 2021 as specified in the 2020 Groundwater Report (Anchor QEA 2021). Groundwater sampling analytical results are presented in Table 2; historical data collected by prior consultants (prior to 2021) are included in Appendix B. Table 4 summarizes the performance and confirmational monitoring performed in 2020 and 2021 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 report is included in Appendix D. Key findings for performance monitoring and confirmational monitoring are described in the following sections.

2021 Performance Monitoring

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

- Groundwater samples collected during March were not analyzed for diesel-range hydrocarbons due to a field notes error. Groundwater samples collected during the June, September, and November sampling events detected diesel-range concentrations without silica gel treatment of 650, 800 and 1,200 micrograms per liter (µg/L), respectively, exceeding the site-specific cleanup level. In accordance with Ecology's 2019 letter, YVS-2 will remain in the performance monitoring program for this IHS in 2022.

2021 Confirmational Monitoring

Four quarters of confirmational monitoring were conducted in 2021 for select IHS compounds, as outlined in Ecology's 2019 letter (Ecology 2019) and as discussed in the 2020 Groundwater Report (Anchor QEA, 2021). Following are the results of confirmational monitoring:

- Dissolved arsenic was detected above the laboratory detection limit but below the site-specific cleanup level in at least one quarter for all locations, except for location MW-6, where arsenic was not detected during any of the monitoring events. Per Ecology's 2019 letter, all wells with eight consecutive quarters below the cleanup screening level met confirmational monitoring criteria (BG-60, BG-90, MW-12, YS-1, MW-6, YVS-3-60, YVS-3-90) and no additional monitoring is required. Location YS-1 analytical results were below the cleanup screening level for all quarters excluding Q2 of 2020 where the well was dry. YS-1 is considered to meet confirmational monitoring criteria and no additional monitoring is required. Locations YVS-1b and YVS-2 analytical results were below the cleanup screening level for seven consecutive quarters, therefore an additional sampling event below the cleanup screening level is required to reach confirmational criteria. YVS-1b and YVS-2 are proposed to remain in the confirmational monitoring program for 2022 until confirmational criteria are met.
- Benzene was not detected above the laboratory detection limit for any quarter in YVS-3. YVS-3 is considered to be in compliance with the benzene site-specific cleanup level and no additional monitoring of this IHS is required in YVS-3. Sampling for benzene was suspended prematurely for YVS-2 in 2021 based on 2020 reporting. Confirmational monitoring of Benzene is proposed for YVS-2 in 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 the 2021 data (presented in Table 3), the updated site-specific cleanup level for PCE is 22.67 µg/L. PCE was detected above the laboratory detection limit but below the background concentration in at least one quarter at all locations. All wells (except YS-1 which is in compliance and was removed in 2021 based on 2020 data) with eight consecutive quarters below cleanup screening level met confirmational monitoring criteria (BG-60, BG-90, MW-12, MW-6, YVS-3-60, YVS-3-90) and no additional monitoring is required. Locations YVS-1b and YVS-2 analytical results were below the cleanup screening level for seven consecutive quarters, therefore an additional sampling event below the cleanup screening level is required to reach confirmational criteria. YVS-1b and YVS-2 are proposed to remain in the confirmational monitoring program for 2022 until confirmational criteria are met.
- Lindane was detected above the laboratory detection limit for only one quarter in YVS-2. All other pesticides were below detection limit for all quarters for YVS-2. There is no site-specific cleanup level for lindane, only for 4.4-DDT which was undetected in all quarters. Location YVS-2 analytical results were below the cleanup screening level for seven consecutive

quarters, therefore an additional sampling event below the cleanup screening level is required to reach confirmational criteria. YVS-2 is proposed to remain in the confirmational monitoring program for 2022 until confirmational criteria are met.

- Gasoline-range petroleum hydrocarbons were detected above the laboratory detection limit in both YVS-1b and YVS-2 during two of the four quarters. The first and second quarter results for YVS-2 also exceeded the site-specific cleanup level of 0.8 µg/L. YVS-1b and YVS-2 are proposed to remain in the quarterly confirmational monitoring program for 2022.
- Diesel-range petroleum hydrocarbons were detected above the site-specific cleanup level in at least one quarter in YVS-1band YVS-3. These wells are proposed to remain in quarterly confirmational monitoring program for 2022. Diesel-range petroleum hydrocarbons were not detected at the laboratory reporting limit in the remaining wells (BG-60, BG-90, MW-6, MW-12, YS-1, YVS-3-60, and YVS-3-90). Per the 2019 Ecology letter, these wells are in compliance and no additional monitoring is warranted.

2022 Recommendations

Table 5 summarizes the proposed 2022 quarterly monitoring program considering the 2021 results described previously and detailed summary of the performance and confirmational monitoring presented in Table 4. As proposed, no additional monitoring will occur for analytes once results are below the cleanup screening level eight consecutive quarters per the confirmational criteria. Quarterly performance monitoring for TPH-Dx in well YVS-2 will continue based on 2021 results. The YS-1 well housing is damaged but the well is intact. We will replace this well monument in 2022.

References

AECOM, 2013. Letter to: Halah Voges, Anchor QEA, LLC. Regarding: Yakima Valley Spray/U-Haul Site (Facility Site ID No. 445) – Compliance Monitoring Plan. AECOM, Seattle, WA. February 28, 2013.

AECOM, 2019. *Semi-Annual Groundwater Monitoring Report for the Yakima Spray/U-Haul Facility for September 2017 and March 2018 Semi-Annual Sampling Events*. April 17, 2019.

Anchor QEA, 2021. *2020 Groundwater Monitoring Report*. Yakima Valley Spray/U-Haul Facility. Consent Decree No. 04-00908-1, Washington State Department of Ecology Facility Site ID No. 445. Prepared for the Yakima Valley Spray Site Remediation Group by Anchor QEA, LCC. March 2021.

Ecology (Washington State Department of Ecology), 2019. Letter to: Halah Voges, Anchor QEA, LLC. Regarding: Semi-Annual Groundwater Monitoring Report for the Yakima Valley Spray/U-Haul Facility September 2017 and March 2018 Semi-Annual Sampling Events. August 8, 2019.

Ecology, 2021. Email to: Halah Voges, Anchor QEA, LLC. Regarding: YVS U-Haul Site 2020 Groundwater Monitoring Report – Email 1 of 2. March 9, 2021.

ENSR, 2008. Letter to: Dick Bassett, Department of Ecology. Regarding: Yakima Valley Spray Site – Confirming Compliance Monitoring Plan Changes. ENSR, Seattle, WA. October 27, 2008.

EPA (U.S. Environmental Protection Agency), 1996. Ground Water Issue, Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures. April 1996.

RETEC, 2003a. *Groundwater Compliance Monitoring Plan, Yakima Valley Spray/U-Haul Site, Yakima, Washington*. The RETEC Group, Inc., Seattle, WA. October 16, 2003.

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

Attachments

Tables

Table 1	Groundwater Gauging Data
Table 2	2020 Groundwater Analytical Data
Table 3	PCE Background Concentration Calculations
Table 4	Performance and Confirmational Monitoring Status
Table 5	2022 Groundwater Sampling Program

Figures

Figure 1	Site Location
Figure 2	Groundwater Monitoring Network
Figure 3	Potentiometric Surface Map Quarter 1: March 2021
Figure 4	Potentiometric Surface Map Quarter 2: June 2021
Figure 5	Potentiometric Surface Map Quarter 3: September 2021
Figure 6	Potentiometric Surface Map Quarter 4: November 2021

Appendices

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

Tables

Table 1

Groundwater Gauging Data

Type of Well	Location	Deep/Shallow Well	Measuring Point Elevation (feet)	Q1 - March 2021		Q2 - June 2021		Q3 - September 2021		Q4 - November 2021	
				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	24.15	1020.77	20.70	1024.22	17.31	1027.61	19.90	1025.02
	BG-90	Deep	1044.74	24.90	1019.84	21.50	1023.24	18.82	1025.92	21.00	1023.74
	MW-12	Shallow	1043.13	20.05	1023.08	17.12	1026.01	13.64	1029.49	15.95	1027.18
	YS-3 [1]	Shallow	1048.74	NM	---	NM	---	NM	---	NM	---
Sentry	YVS-1b	Shallow	1040.94	19.25	1021.69	16.90	1024.04	12.20	1028.74	15.17	1025.77
	YVS-2	Shallow	1040.78	19.00	1021.78	16.20	1024.58	11.80	1028.98	14.00	1026.78
	MW-10 [1]	Shallow	1044.09	NM	---	NM	---	NM	---	NM	---
Compliance	YS-1	Shallow	1040.56	19.30	1021.26	17.00	1023.56	14.90	1025.66	15.92	1024.64
	MW-6 [2]	Shallow	1040.82	NM	---	NM	---	NM	---	NM	---
	YVS-3	Shallow	1041.01	18.45	1022.56	15.45	1025.56	12.87	1028.14	14.39	1026.62
	YVS-3-60	Deep	1041.26	21.50	1019.76	18.70	1022.56	15.95	1025.31	18.22	1023.04
	YVS-3-90	Deep	1041.26	25.38	1015.88	21.94	1019.32	19.98	1021.28	22.10	1019.16
Other	MW-5 [3]	Shallow	1042.1	NM	---	NM	---	NM	---	NM	---
	MW-8	Shallow	1041.35	18.17	1023.18	14.37	1026.98	14.00	1027.35	15.27	1026.08
	MW-9	Shallow	1040.07	18.40	1021.67	16.36	1023.71	14.90	1025.17	15.76	1024.31
	MW-11 [1]	Shallow	1045.88	NM	---	NM	---	NM	---	NM	---
	YS-2	Shallow	1040.33	17.80	1022.53	14.63	1025.7	14.17	1026.16	15.01	1025.32

Notes:

Vertical Datum: NGVD 29

1. Wells on OU2 previously gauged by GeoEngineers. They are no longer subject to required gauging.

2. MW-6 has been damaged and water level meter cannot be extended deeper than 8.1 feet below ground surface.

3. MW-5 has been abandoned.

DRY : Wells dry during gauging event

NM : Not Measured

Table 2
2020 Groundwater Analytical Data

Chemical	Location ID Sample Date Sample Type Matrix Cleanup Level	BG-60 03/16/21 9:20 N WG	BG-60 03/16/21 9:25 FD WG	BG-60 06/15/21 7:55 N WG	BG-60 06/15/21 8:00 FD WG	BG-60 09/28/21 7:45 N WG	BG-60 09/28/21 7:50 FD WG	BG-60 11/22/21 7:30 N WG	BG-60 11/22/21 7:40 FD WG	BG-90 03/16/21 8:30 N WG	BG-90 06/15/21 8:50 N WG
Metals, Dissolved (µg/L)											
Arsenic	5	**0.56**	**0.54**	**0.65**	**0.65**	**0.51**	**0.51**	**0.51**	**0.53**	**0.97**	**1.1**
Volatile Organics (µg/L)											
Benzene	5	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene (PCE)	22.67	**14**	**13.6**	**11.8**	**11.7**	**12.8**	**13.1**	**12.3**	**12.2**	**4.18**	**3.7**
Pesticides (µg/L)											
4,4'-DDT (p,p'-DDT)	0.3	--	--	--	--	--	--	--	--	--	--
Aldrin		--	--	--	--	--	--	--	--	--	--
Dieldrin		--	--	--	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), beta-		--	--	--	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)		--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Gasoline range organics	0.8	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (µg/L)											
Diesel range hydrocarbons	500	410 U	420 U	400 U	390 U	400 U	400 U	400 U	400 U	410 U	390 U
Diesel range hydrocarbons - silica gel treated		410 U	420 U	400 U	390 U	400 U	400 U	400 U	400 U	410 U	390 U
Oil range organics		410 U	420 U	400 U	390 U	400 U	400 U	400 U	400 U	410 U	390 U
Oil range organics - silica gel treated		410 UJ	420 UJ	400 U	390 U	400 U	400 U	400 U	400 U	410 UJ	390 U

Notes:
Detected concentration is greater than Cleanup Level screening level
Bold: Detected result
J: Estimated value
U: Compound analyzed for, but not detected above detection limit
UJ: Compound analyzed for, but not detected above estimated detection limit

Table 2
2020 Groundwater Analytical Data

Chemical	Location ID Sample Date Sample Type Matrix Cleanup Level	BG-90 09/28/21 8:40 N WG	BG-90 11/22/21 8:20 N WG	MW-12 03/16/21 13:45 N WG	MW-12 06/15/21 9:50 N WG	MW-12 09/28/21 9:40 N WG	MW-12 11/22/21 9:15 N WG	MW-6 03/16/21 18:15 N WG	MW-6 06/15/21 17:00 N WG	MW-6 09/28/21 16:30 N WG
Metals, Dissolved (µg/L)										
Arsenic	5	**0.97**	**0.99**	**1**	**1.4**	**0.86**	**0.95**	0.50 U	0.50 U	0.50 U
Volatile Organics (µg/L)										
Benzene	5	--	--	--	--	--	--	--	--	--
Tetrachloroethene (PCE)	22.67	**3.55**	**3.6**	**4.09**	**3**	**15**	**6**	**1.04**	1.0 U	**1.35**
Pesticides (µg/L)										
4,4'-DDT (p,p'-DDT)	0.3	--	--	--	--	--	--	--	--	--
Aldrin		--	--	--	--	--	--	--	--	--
Dieldrin		--	--	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), beta-		--	--	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)		--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)										
Gasoline range organics	0.8	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (µg/L)										
Diesel range hydrocarbons	500	400 U	400 U	420 U	400 U	400 U	480 U	420 U	400 U	400 U
Diesel range hydrocarbons - silica gel treated		400 U	400 U	420 U	400 U	400 U	480 U	420 U	400 U	400 U
Oil range organics		400 U	400 U	420 U	400 U	400 U	480 U	420 U	400 U	400 U
Oil range organics - silica gel treated		400 U	400 U	420 UJ	400 U	400 U	480 U	420 UJ	400 U	400 U

Notes:
Detected concentration is greater than Cleanup Level screening level
Bold: Detected result
J: Estimated value
U: Compound analyzed for, but not detected above detection limit
UJ: Compound analyzed for, but not detected above estimated detection limit

Table 2
2020 Groundwater Analytical Data

Chemical	Location ID / Sample Date / Sample Type / Matrix / Cleanup Level	MW-6 11/22/21 15:40 N WG	YS-1 03/16/21 15:00 N WG	YS-1 06/15/21 14:15 N WG	YS-1 09/28/21 13:30 N WG	YS-1 11/22/21 13:00 N WG	YVS-1b 03/16/21 10:30 N WG	YVS-1b 06/15/21 11:10 N WG	YVS-1b 09/28/21 10:55 N WG	YVS-1b 11/22/21 10:30 N WG
Metals, Dissolved (µg/L)										
Arsenic	5	0.50 U	**1.8**	**1.6**	**0.8**	0.50 U	**0.99**	**0.6**	**1.2**	0.50 U
Volatile Organics (µg/L)										
Benzene	5	--	--	--	--	--	--	--	--	--
Tetrachloroethene (PCE)	22.67	1.0 U	--	--	--	--	1.00 U	1.0 U	**8.26**	**2.1**
Pesticides (µg/L)										
4,4'-DDT (p,p'-DDT)	0.3	--	--	--	--	--	--	--	--	--
Aldrin		--	--	--	--	--	--	--	--	--
Dieldrin		--	--	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), beta-		--	--	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)		--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)										
Gasoline range organics	0.8	--	--	--	--	--	**0.12**	0.1 U	0.1 U	**0.111**
Total Petroleum Hydrocarbons (µg/L)										
Diesel range hydrocarbons	500	430 U	410 U	400 U	400 U	400 U	**480**	**510**	400 U	450 UJ
Diesel range hydrocarbons - silica gel treated		430 U	410 U	400 U	400 U	400 U	420 U	400 U	400 U	450 U
Oil range organics		430 U	410 U	400 U	400 U	400 U	420 U	**550**	400 U	450 UJ
Oil range organics - silica gel treated		430 U	410 UJ	400 U	400 U	400 U	420 UJ	400 U	400 U	450 U

Notes:
Detected concentration is greater than Cleanup Level screening level
Bold: Detected result
J: Estimated value
U: Compound analyzed for, but not detected above detection limit
UJ: Compound analyzed for, but not detected above estimated detection limit

Table 2
2020 Groundwater Analytical Data

Chemical	Location ID Sample Date Sample Type Matrix Cleanup Level	YVS-2 03/16/21 11:40 N WG	YVS-2 06/15/21 12:20 N WG	YVS-2 06/15/21 12:25 FD WG	YVS-2 09/28/21 11:50 N WG	YVS-2 11/22/21 11:25 N WG	YVS-3 03/16/21 15:50 N WG	YVS-3 06/15/21 15:00 N WG	YVS-3 09/28/21 14:15 N WG	YVS-3 11/22/21 13:35 N WG
Metals, Dissolved (µg/L)										
Arsenic	5	**2**	**1.3**	--	**0.6**	**0.73**	--	--	--	--
Volatile Organics (µg/L)										
Benzene	5	--	--	--	--	--	1.00 U	1.0 U	1.00 U	1.0 U
Tetrachloroethene (PCE)	22.67	1.00 U	1.0 U	--	**5.13**	**4.5**	**1.14**	1.0 U	**1.35**	**1.6**
Pesticides (µg/L)										
4,4'-DDT (p,p'-DDT)	0.3	0.097 U	0.096 U	--	0.095 UJ	0.10 U	--	--	--	--
Aldrin		0.048 U	0.048 U	--	0.048 UJ	0.050 U	--	--	--	--
Dieldrin		0.097 U	0.096 U	--	0.095 UJ	0.10 U	--	--	--	--
Hexachlorocyclohexane (BHC), beta-		0.048 U	0.048 U	--	0.048 UJ	0.050 U	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)		0.048 U	0.048 U	--	0.048 UJ	**0.11**	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)										
Gasoline range organics	0.8	**2.3 J**	**0.88**	**0.898**	0.1 U	0.1 U	--	--	--	--
Total Petroleum Hydrocarbons (µg/L)										
Diesel range hydrocarbons	500	--	**650**	--	**800**	**1200**	420 U	400 U	**560**	400 UJ
Diesel range hydrocarbons - silica gel treated		--	**410 J**	--	400 U	400 U	420 U	400 U	400 U	400 U
Oil range organics		--	390 U	--	400 U	**480**	420 U	400 U	400 U	400 UJ
Oil range organics - silica gel treated		--	**480 J**	--	400 U	400 U	420 UJ	400 U	400 U	400 U

Notes:
Detected concentration is greater than Cleanup Level screening level
Bold: Detected result
J: Estimated value
U: Compound analyzed for, but not detected above detection limit
UJ: Compound analyzed for, but not detected above estimated detection limit

Table 2
2020 Groundwater Analytical Data

Chemical	Location ID Sample Date Sample Type Matrix Cleanup Level	YVS-3-60 03/16/21 16:35 N WG	YVS-3-60 06/15/21 15:35 N WG	YVS-3-60 09/28/21 15:00 N WG	YVS-3-60 11/22/21 14:15 N WG	YVS-3-90 03/16/21 17:25 N WG	YVS-3-90 06/15/21 16:15 N WG	YVS-3-90 09/28/21 15:40 N WG	YVS-3-90 11/22/21 15:00 N WG
Metals, Dissolved (µg/L)									
Arsenic	5	**0.61**	**0.63**	**0.7**	**0.76**	**0.84**	**1**	**0.92**	**1**
Volatile Organics (µg/L)									
Benzene	5	--	--	--	--	--	--	--	--
Tetrachloroethene (PCE)	22.67	**9.53**	**6.3**	**15.1**	**10.9**	**1.2**	1.0 U	**1.51**	**1**
Pesticides (µg/L)									
4,4'-DDT (p,p'-DDT)	0.3	--	--	--	--	--	--	--	--
Aldrin		--	--	--	--	--	--	--	--
Dieldrin		--	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), beta-		--	--	--	--	--	--	--	--
Hexachlorocyclohexane (BHC), gamma- (Lindane)		--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)									
Gasoline range organics	0.8	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (µg/L)									
Diesel range hydrocarbons	500	410 U	400 U	400 U	420 U	420 U	400 U	400 U	530 U
Diesel range hydrocarbons - silica gel treated		410 U	400 U	400 U	420 U	420 U	400 U	400 U	530 U
Oil range organics		410 U	400 U	400 U	420 U	420 U	400 U	400 U	530 U
Oil range organics - silica gel treated		410 UJ	400 U	400 U	420 U	420 UJ	400 U	400 U	530 U

Notes:
Detected concentration is greater than Cleanup Level screening level
Bold: Detected result
J: Estimated value
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	09/01/04	**29.8**
BG-60	BG-60-1204	12/07/04	**26.1**
BG-60	BG-60-0305	03/24/05	**22.7**
BG-60	BG-60-0605	06/15/05	**24.4**
BG-60	BG-60-0905	09/27/05	**20.1**
BG-60	BG-60-1205	12/12/05	*12.5*
BG-60	BG-60-0306	03/15/06	**20**
BG-60	BG-60-0606	06/15/06	**20.7**
BG-60	BG-60-0906	09/13/06	**21.3**
BG-60	BG-60-1206	12/29/06	**21**
BG-60	BG-60-0507	05/11/07	**19.7**
BG-60	BG-60-0408	04/10/08	**18.8**
BG-60	BG-60-0608	06/09/08	**17.7**
BG-60	BG-60-0908	09/16/08	**23.3**
BG-60	BG-60-0109	01/07/09	**24.5**
BG-60	BG-60-0309	03/18/09	**20.3**
BG-60	BG-60-0609	06/16/09	**9.5**
BG-60	BG-60-0909	09/09/09	**15**
BG-60	BG-60-1209	12/01/09	**22.6**
BG-60	BG-60-0310	03/01/10	**13.1**
BG-60	BG-60-0610	06/01/10	**17.2**
BG-60	BG-60-0910	09/01/10	**17.9**
BG-60	BG-60-0313	03/20/13	**19**
BG-60	BG-60-0913	09/10/13	**16.4**
BG-60	BG-60-0314	03/26/14	**17.8**
BG-60	BG-60-0914	09/16/14	**21.4**
BG-60	BG-60-0315	03/24/15	**19.5**
BG-60	BG-60-1015	10/27/15	**19**
BG-60	BG-60-0316	03/22/16	**16.1**
BG-60	BG-60-0917	09/26/17	**16.7**
BG-60	BG-60-0318	03/27/18	**15.8**
BG-60	BG-60-0120	01/08/20	**14.1**
BG-60	BG-60-0420	04/07/20	**11.1**
BG-60	BG-60-0720	07/28/20	**14.6**
BG-60	BG-60-1020	10/13/20	**13.9**
BG-60	BG-60-0321	03/16/21	**14**
BG-60	BG-60-0621	06/15/21	**11.8**
BG-60	BG-60-0821	09/28/21	**12.8**
BG-60	BG-60-1021	11/22/21	**12.3**
BG-90	BG-90-0904	09/01/04	*0.5*
BG-90	BG-90-1204	12/07/04	*2.5*
BG-90	BG-90-0305	03/24/05	*2.5*
BG-90	BG-90-0605	06/15/05	*2.5*
BG-90	BG-90-0905	09/27/05	*2.5*
BG-90	BG-90-1205	12/12/05	*12.5*
BG-90	BG-90-0306	03/15/06	*0.5*
BG-90	BG-90-0606	06/15/06	**0.83**
BG-90	BG-90-0906	09/13/06	**0.81**
BG-90	BG-90-1206	12/29/06	**0.95**
BG-90	BG-90-0507	05/11/07	*2.5*
BG-90	BG-90-0408	04/10/08	**1.37**
BG-90	BG-90-0608	06/09/08	**1.17**
BG-90	BG-90-0908	09/16/08	**1.41**
BG-90	BG-90-0109	01/07/09	**1.46**
BG-90	BG-90-0309	03/18/09	**1.41**
BG-90	BG-90-0609	06/16/09	*0.5*
BG-90	BG-90-0909	09/09/09	**1.2**
BG-90	BG-90-1209	12/01/09	**2**
BG-90	BG-90-0310	03/01/10	**2.1**
BG-90	BG-90-0610	06/01/10	**1.8**
BG-90	BG-90-0910	09/01/10	**1.8**
BG-90	BG-90-0313	03/20/13	**3.5**
BG-90	BG-90-0913	09/10/13	**2.8**
BG-90	BG-90-0314	03/26/14	**3.5**
BG-90	BG-90-0914	09/16/14	**3.6**
BG-90	BG-90-0315	03/24/15	**3.8**
BG-90	BG-90-1015	10/27/15	**3.8**
BG-90	BG-90-0316	03/22/16	**3.6**
BG-90	BG-90-0917	09/26/17	**4.45**
BG-90	BG-90-0318	03/27/18	**5.0**
BG-90	BG-90-0120	01/08/20	**3.7**
BG-90	BG-90-0420	04/07/20	**3.55**
BG-90	BG-90-0720	07/28/20	**4.9**
BG-90	BG-90-1020	10/13/20	**4.58**
BG-90	BG-90-0321	03/16/21	**4.18**
BG-90	BG-90-0621	06/15/21	**3.7**
BG-90	BG-90-0821	09/28/21	**3.55**
BG-90	BG-90-1021	11/22/21	**3.6**

Location ID	Sample ID	Sample Date	PCE Concentration (µg/L)
MW-12	MW-12-0904	09/01/04	**23**
MW-12	MW-12-1204	12/08/04	**13.7**
MW-12	MW-12-0305	03/24/05	**6.76**
MW-12	MW-12-0605	06/16/05	**17.8**
MW-12	MW-12-0905	09/27/05	**25.2**
MW-12	MW12-1205	12/13/05	*12.5*
MW-12	MW-12-0306	03/14/06	**6.22**
MW-12	MW-12-0606	06/14/06	**11.9**
MW-12	MW-12-0906	09/12/06	**15.2**
MW-12	MW-12-1206	12/29/06	**9.06**
MW-12	MW-12-0507	05/10/07	**5.66**
MW-12	MW-12-0408	04/10/08	**10.5**
MW-12	MW-12-0608	06/09/08	**8.72**
MW-12	MW-12-0908	09/15/08	**26.4**
MW-12	MW-12-0109	01/06/09	**7.69**
MW-12	MW-12-0309	03/17/09	**7.25**
MW-12	MW-12-0609	06/16/09	**3.8**
MW-12	MW-12-0909	09/09/09	**20**
MW-12	MW-12-1209	12/01/09	**7.5**
MW-12	MW-12-0310	03/01/10	**5.7**
MW-12	MW-12-0610	06/01/10	**6.3**
MW-12	MW-12-0910	09/01/10	**23.2**
MW-12	MW-12-0313	03/20/13	**6.9**
MW-12	MW-12-0913	09/10/13	**17.9**
MW-12	MW-12-0314	03/26/14	**4**
MW-12	MW-12-0914	09/16/14	**36.9**
MW-12	MW-12-0315	03/24/15	**3.1**
MW-12	MW-12-1015	10/27/15	**19.4**
MW-12	MW-12-0316	03/22/16	**4.3**
MW-12	MW-12-0917	09/26/17	**15.3**
MW-12	MW-12-0318	03/27/18	**3.8**
MW-12	MW-12-0120	01/08/20	**8.1**
MW-12	MW-12-0420	04/08/20	**3.2**
MW-12	MW-12-0720	07/28/20	**6.1**
MW-12	MW-12-1020	10/13/20	**19.1**
MW-12	MW-12-0321	03/16/21	**4.09**
MW-12	MW-12-0621	06/15/21	**3**
MW-12	MW-12-0821	09/28/21	**15**
MW-12	MW-12-1021	11/22/21	**6**
YS-3	YS-3-1103	11/19/03	**15.4**
YS-3	YS-3-0904	09/01/04	**26.8**
YS-3	YS-3-1204	12/08/04	**14.4**
YS-3	YS-3-0305	03/24/05	**6.65**
YS-3	YS-3-0605	06/16/05	**12.4**
YS-3	YS-3-0905	09/28/05	**25.7**
YS-3	YS-3-1205	12/13/05	**12.7**
YS-3	YS-3-0306	03/14/06	**7.38**
YS-3	YS-3-0606	06/15/06	**8.44**
YS-3	YS-3-0906	09/13/06	**21.7**
YS-3	YS-3-1206	12/28/06	**14.0**
YS-4	YS-3-0507	05/10/07	**6.6**
YS-5	YS-3-0907	09/05/07	**12.7**
YS-6	YS-3-1207	12/17/07	**16**
YS-7	YS-3-0308	03/11/08	**6.7**
YS-8	YS-3-0608	06/09/08	**6.33**
YS-9	YS-3-0908	09/15/08	**27.3**
YS-10	YVS-3-0321	03/16/21	**1.14**
YS-11	YVS-3-0621	06/15/21	*1*
YS-12	YVS-3-0821	09/28/21	**1.35**
YS-13	YVS-3-1021	11/22/21	**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 Proposed				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 Proposed				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	C*	C*	C*	Additional consecutive sampling event below cleanup screening level required to reach confirmational monitoring criteria.
	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	C*	C*	C*	Additional consecutive sampling event below cleanup screening level required to reach confirmational monitoring criteria.
	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	C*	C*	C*	Additional consecutive sampling event below cleanup screening level required to reach confirmational monitoring criteria.
	TPH-Dx	NA	P	**P**	**P**	**C**	**C**	C	C	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.TPH-Dx exceeded Cleanup screening level in Q2 of 2021 monitoring
	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	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 will continue for YVS-2 in 2022
	Arsenic	NA	**C**	**C**	**C**	**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	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 2021 monitoring.
	TPH-Dx	NA	P	**P**	**P**	NA	**P**	**P**	**P**	P	P	P/C*	P/C*	TPH-Dx exceeded Cleanup screening level in Q2, Q3, and Q4 of 2021.
	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 Proposed				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	C	Met criteria for Performance monitoring in 2020 (2 consecutive sampling events below screening level), moved to compliance monitoring for 2021. TPH-Dx exceeded Cleanup screening level in Q3 of 2021 monitoring
	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 Proposed				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.
C or P	Proposed Performance or Confirmational Monitoring in 2022
*	Proposed Performance or Confirmational Monitoring Pending Analytical Results
TPH-Dx	Total Petroleum Hydrocarbons - Deisel 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: YS-1 not sampled due to well being dry
Q1 of 2021: YVS-2 not sampled due to COC error

Table 5
2022 Groundwater Sampling Program

Well ID	Type of Well	Analyte	Proposed 2022 Monitoring			
			Q1	Q2	Q3	Q4
YVS-1b	Sentry	PCE	C	C*	C*	C*
		Arsenic	C	C*	C*	C*
		TPH-Gx	C	C*	C*	C*
		TPH-Dx	C	C	C	C
YVS-2	Sentry	PCE	C	C*	C*	C*
		Arsenic	C	C*	C*	C*
		Pesticides	C	C*	C*	C*
		Benzene	C	C	C	C
		TPH-Gx	C	C	C	C
		TPH-Dx	P	P	P/C*	P/C*
YVS-3	Compliance	TPH-Dx	C	C	C	C

Notes:
*: Confirmational or Performance Monitoring Pending Analytical Results
C: Confirmational Monitoring
P: Performance Monitoring
PCE: tetrachloroethene
TPH-Dx: diesel-range petroleum hydrocarbons
TPH-Gx: gasoline-range petroleum hydrocarbons

Figures

Publish Date: 2021/12/22, 1:54 PM | User: cgardner
Filepath: Q:\Jobs\YakimaValleySpraySite_2024\Maps\2021_GW_PotentiometricMaps\AQ_Fig01_SiteLocation.mxd

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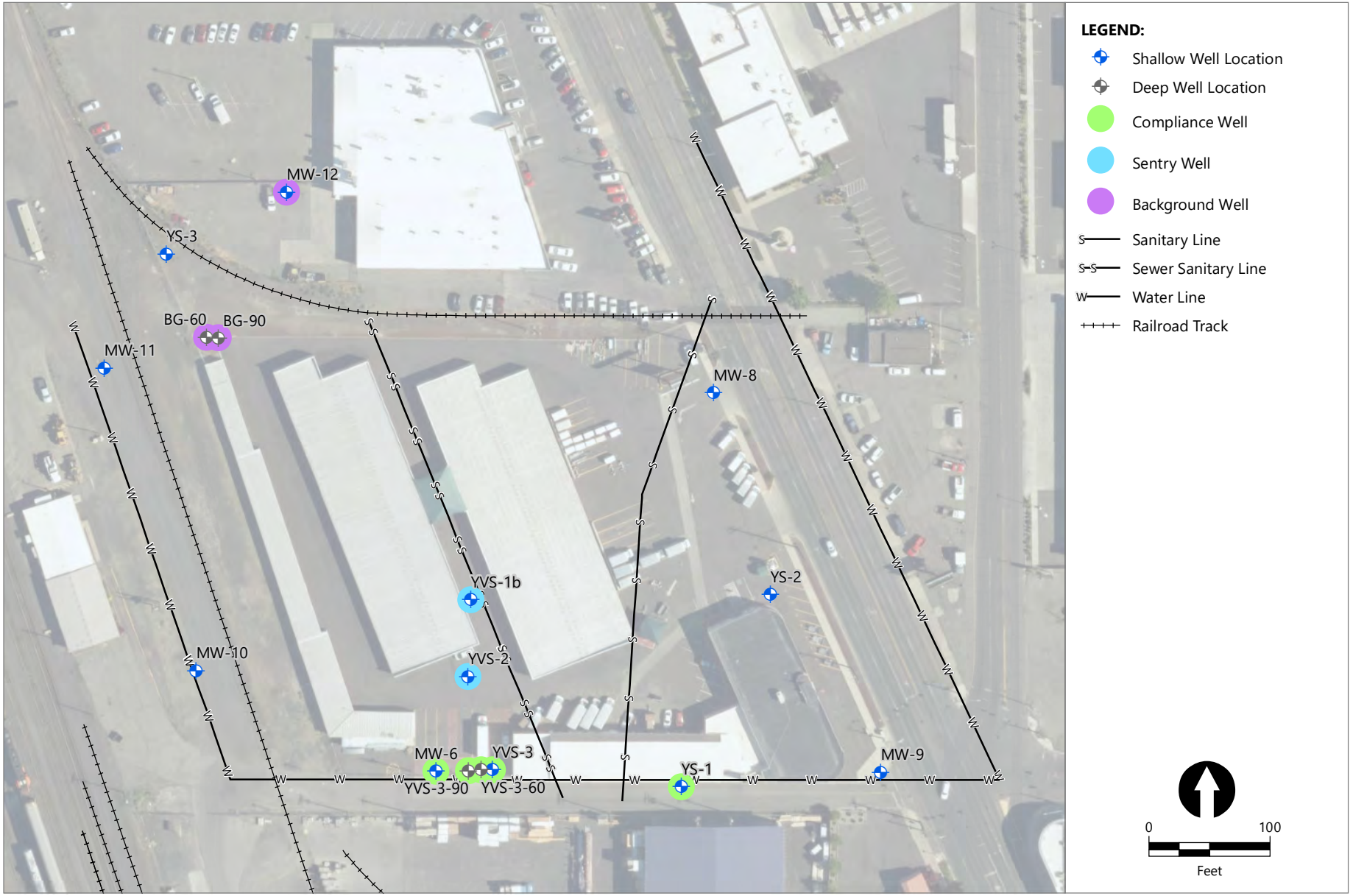
Figure 1
Site Location
2021 Groundwater Monitoring Report
Yakima Valley Spray/U-Haul Site Facility



Publish Date: 2021/12/22, 2:00 PM | User: cgardner
Filepath: Q:\Jobs\YakimaValleySpraySite_2024\Maps\2020_GW_PotentiometricMaps\AQ_YVSS_Fig02_GW_Monitoring_Network.mxd

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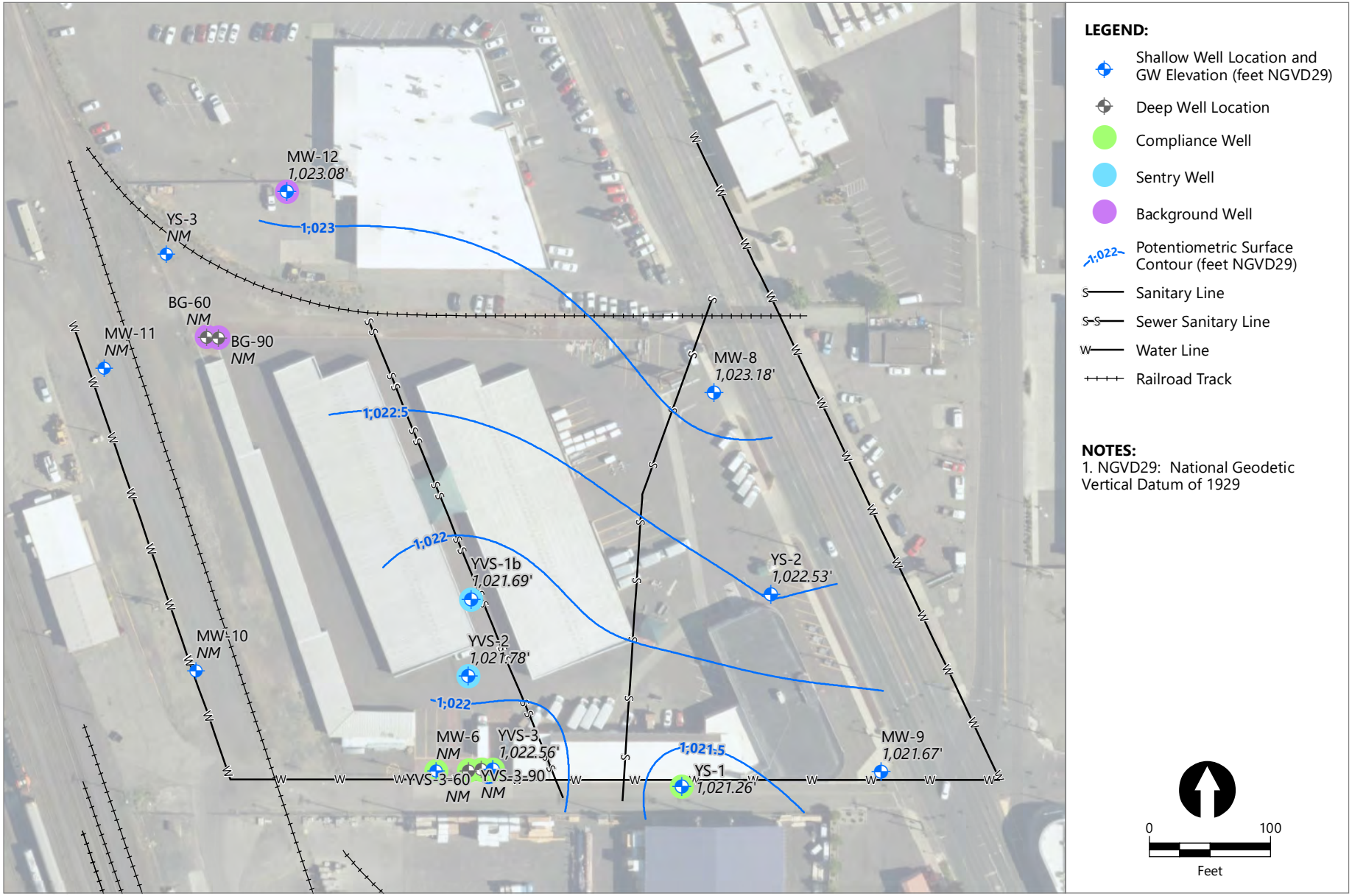
Figure 2
Groundwater Monitoring Network
2021 Groundwater Monitoring Report
Yakima Valley Spray/U-Haul Site Facility



Publish Date: 2021/12/22, 12:57 PM | User: cgardner
Filepath: Q:\Jobs\YakimaValleySpraySite_2024\Maps\2021_GW_PotentiometricMaps\AQ_YVSS_GWInterpolations_DDP.mxd

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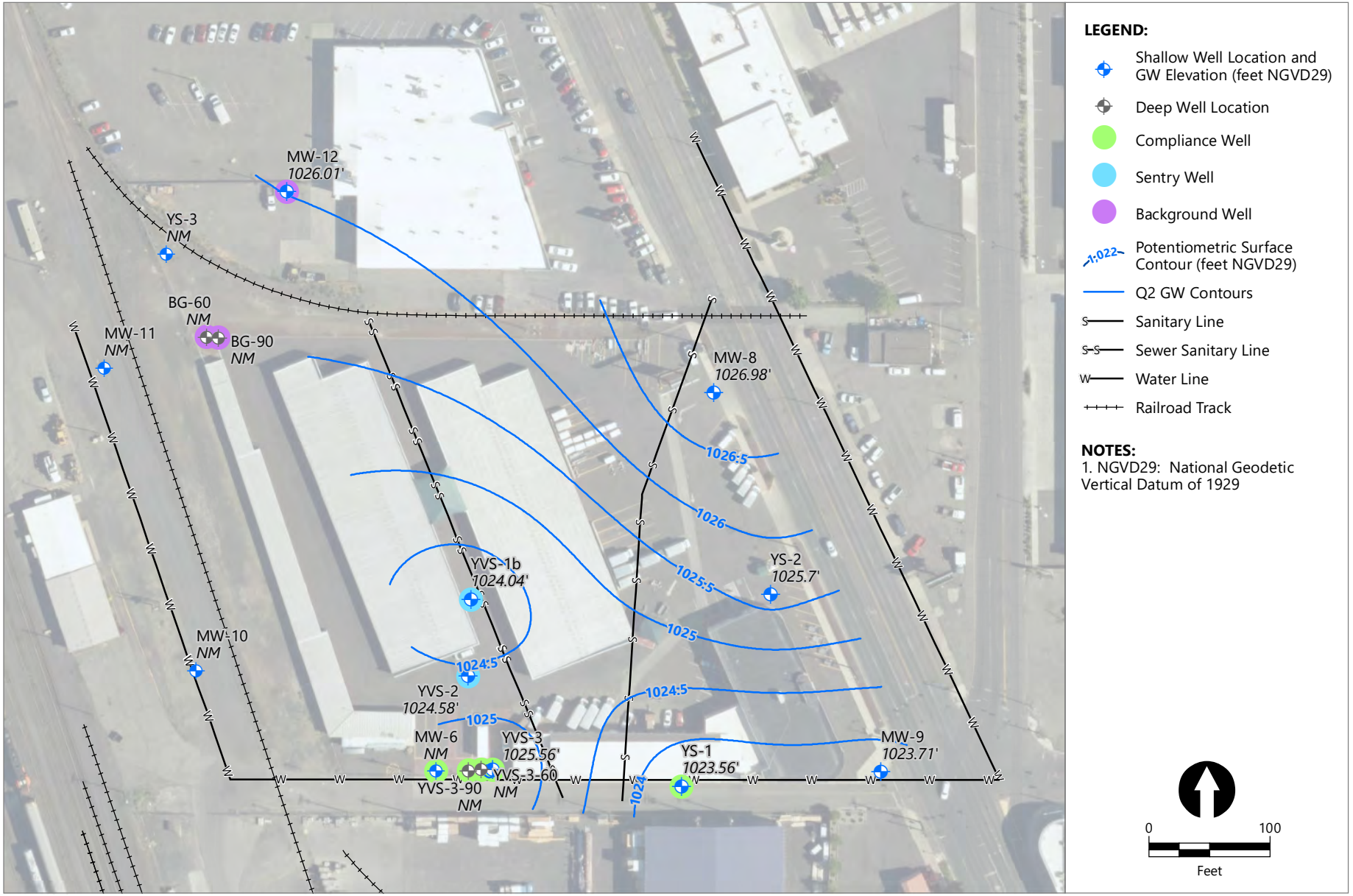
Figure 3
Potentiometric Surface Map Quarter 1: March 2021
2021 Groundwater Monitoring Report
Yakima Valley Spray/U-Haul Site Facility



Publish Date: 2021/12/22, 1:20 PM | User: cgardner
Filepath: Q:\Jobs\YakimaValleySpraySite_2024\Maps\2021_GW_PotentiometricMaps\AQ_YVSS_GWInterpolations_DDP.mxd

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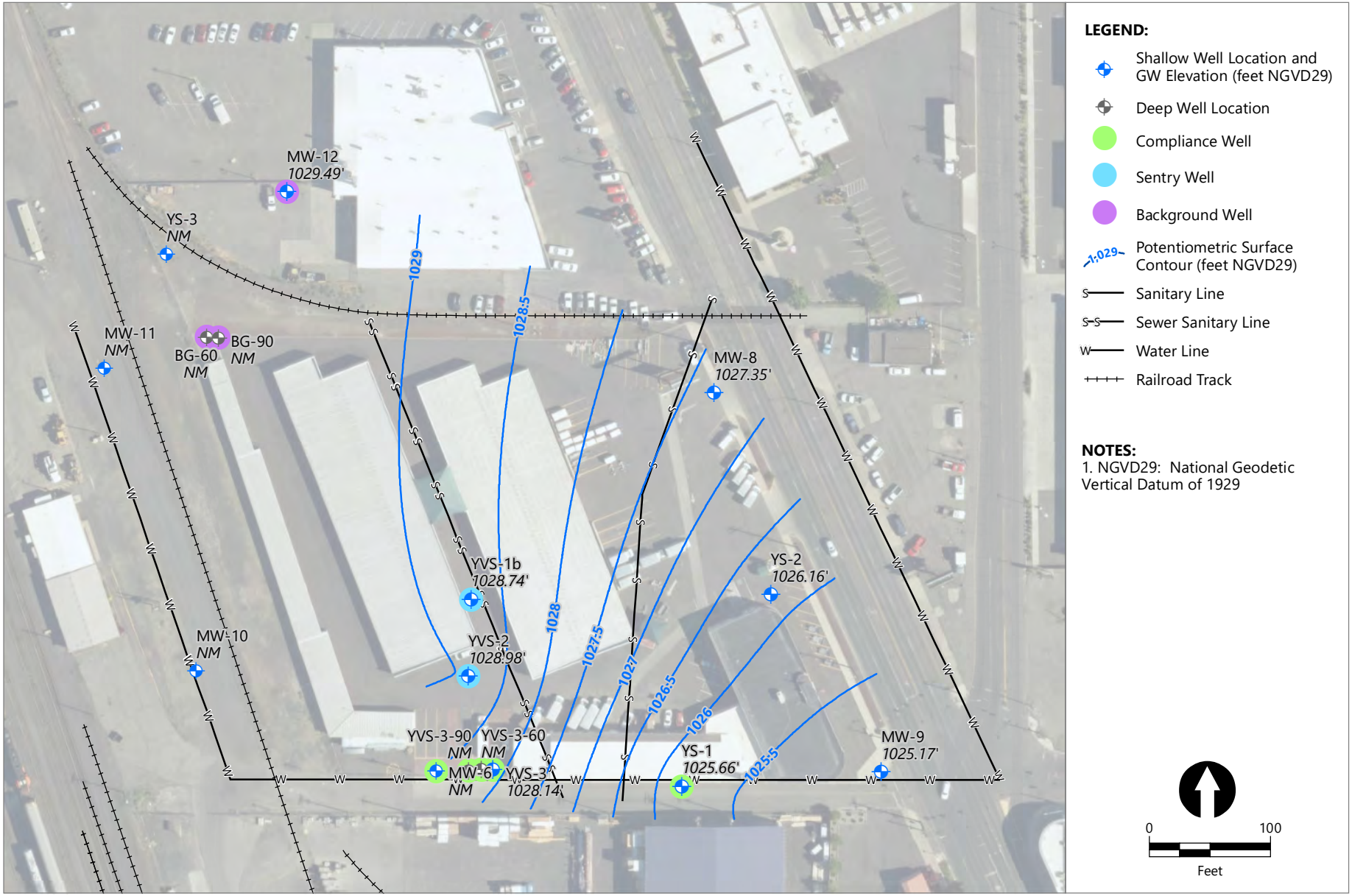
Figure 4
Potentiometric Surface Map Quarter 2: June 2021
2021 Groundwater Monitoring Report
Yakima Valley Spray/U-Haul Site Facility



Publish Date: 2021/12/22, 1:39 PM | User: cgardner
Filepath: Q:\Jobs\YakimaValleySpraySite_2024\Maps\2021_GW_PotentiometricMaps\AQ_YVSS_GWInterpolations_DDP.mxd

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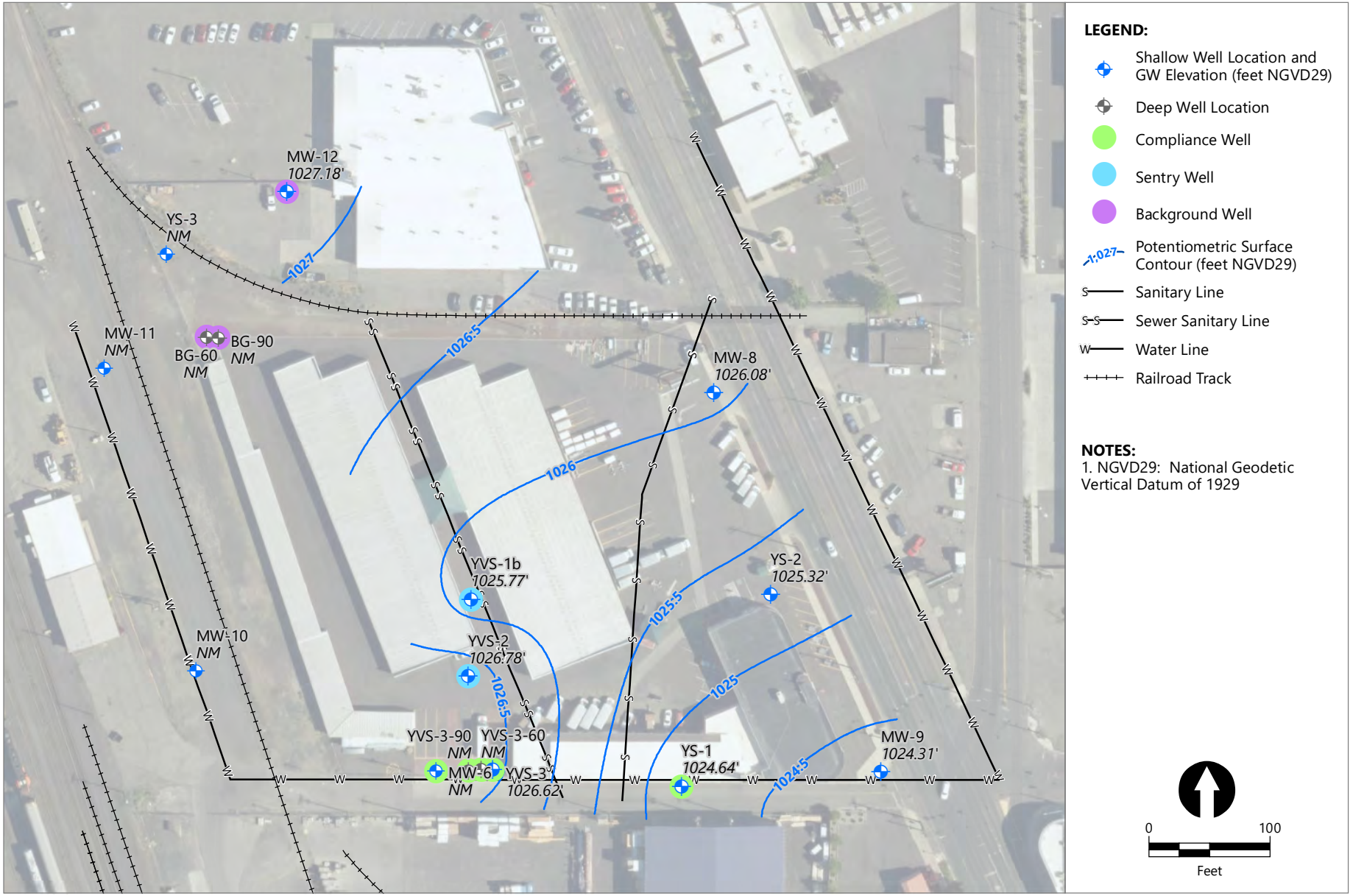
Figure 5
Potentiometric Surface Map Quarter 3: September 2021
2021 Groundwater Monitoring Report
Yakima Valley Spray/U-Haul Site Facility



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Filepath: Q:\Jobs\YakimaValleySpraySite_2024\Maps\2021_GW_PotentiometricMaps\AQ_YVSS_GWInterpolations_DDP.mxd

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Figure 6
Potentiometric Surface Map Quarter 4: November 2021
2021 Groundwater Monitoring Report
Yakima Valley Spray/U-Haul Site Facility

Appendix A
Field Forms

Quarter 1

Daily Log

ANCHOR QEA

Anchor QEA, L.L.C.
1201 3rd Ave, #2600
Seattle, WA 98101
Phone 206.287.9130

PROJECT NAME: YAKIMA VALLEY SPRAY SITE **DATE:** 3-16-2021

SITE ADDRESS: YAKIMA U-HAUL **PERSONNEL:** S. Strehl

WEATHER: **WIND FROM:** N | ~~NE~~ | E | SE | (S) | SW | W | NW | None

~~SUNNY~~ | CLOUDY | Prtly Cldy | RAIN

LIGHT | MEDIUM | HEAVY

TEMPERATURE: 52s °F

TIME	COMMENTS
0600	PREP / MOBE / ICE PICKUP / EQ CHECK
0700	ON SITE / CHECK IN / H+S
0730	SETUP AT BG-90 (SEE GW MONITORING FORMS)
1815	FINISH SAMPLING FINAL WELL (MW-6)
	DUMP PURGE WATER IN NEW 55 GAL / LABELED
1845	OFF SITE, PICKUP ICE / SHIPPING SUPPLIES
2000	BACK AT HOTEL

SS 3-16-2021

Comments:

Signature: [signature]

Yakima Groundwater Gauging Log

Date: 3/16 - [illegible] 2021			Project Number: 192024-01.01	
Personel On the Site			Weather	
Name		Affiliation AQ	Conditions: Sunny / windy	
Stephen Stuehr			Temperature: [illegible] 50's Precipitation: no Other: /	
Well Number	**Time**	**Depth to Water (ft)**	**Total well Depth (ft)**	**Comments**
BG-60	0840	24.15	—	
BG-90	[illegible] 0945	24.90	—	
MW-12	1250	20.05	—	
YVS-1B	0950	19.25	—	
YVS-2	1100	19.00	—	
YS-1	1400	19.30	—	
YS-2	[illegible] 1830	17.80	—	not sampled — LAYER OF THICK ORANGE / RUST MUD
MW-8	1800	18.17	—	not sampled
MW-6	1740	NA	—	
YVS-3	[illegible] 1515	18.45	—	
YVS-3-60	1600	21.50	—	
YVS-3-90	1645	25.38	—	
MW-9	1705	18.40	—	not sampled

Additional Comments:

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: BG-90	**Date:** 3-16-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 24.90	Total Depth to Well: —	
Weather Observations: 35°F / SUNNY / 5 MPH		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0800	25.16	200	3000	- CONNECTED YSI					CLEAR, NO ODORS
0805	25.18	200	4000	14.9	6.78	0.369	264.4	14.0	" "
0810	25.20	200	5000	15.0	6.88	0.367	253.4	7.0	" "
0815	25.20	200	6000	14.9	6.95	0.368	252.6	6.7	" "
0820	25.20	200	7000	14.9	6.96	0.369	250.8	6.6	" "
0825	25.20	200	8000	14.9	6.96	0.369	249.9	6.5	" "
0830	BYPASS	YSI	/ SAMPLES						

Notes: BEGIN 0745 @ 200 mL/m FOR 15 MIN / PURGED 3000 mL

Controller Setting: SAP (SAME AS PREVIOUS)

Total Volume Purged: 8000 mL

Sample ID: BG-90 - 20210316 @ 0830

Duplicate ID: X

Other: X

As, PCE, DA

1 3 2

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: BG-60	**Date:** 3-16-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	

Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)

Initial Depth to Water	24.15	Total Depth to Well	—

Weather Observations: 35°F / Sunny

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0855	24.25	150	2250	Connect	YSI	/			Clear, No odors
0900	24.25	150	3000	14.4	6.69	0.370	201.5	10.5	" "
0905	24.25	150	3750	14.3	6.63	0.370	199.1	10.5	" "
0910	24.25	150	4500	14.4	6.63	0.370	199.0	10.5	" "
0915	24.25	150	5250	14.3	6.63	0.370	199.2	10.4	" "
0920	Bypass YSI / Samples								

Notes: 0840 Begin purge / 150 mL/m for 15 min (2250 purge)

Controller Setting: Sat

Total Volume Purged: 5250 mL

Sample ID: BG-60-20210306 @ 0920

Duplicate ID: BG-601-20210306 @ 0925

Other:

As, PCE, Dx + As, PCE, Dx

1 3 2 1 3 2 (12)

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS - 1B	**Date:** 3-16-2021	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 19.25	Total Depth to Well: —	
Weather Observations: Sunny / 40f		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1000	19.45	150	1500	BEGIN		YSI	CONNECTION		CLEAR, NO ODORS
1005	19.46	150	2250	15.7	6.10	1.972	14.0	15.0	" , "
1010	19.47	150	3000	15.9	6.06	2.049	5.0	8.9	" , "
1015	19.48	150	3750	15.9	6.06	2.067	4.0	9.0	" , "
1020	19.48	150	4500	16.0	6.06	2.075	3.7	8.9	" , "
1025	19.48	150	5250	16.1	6.07	2.078	3.6	8.9	" , "
1030	BYPASS YSI / SAMPLES								

Notes: 0950 BEGIN PURGE, RUST-COLORED FLAKES, HC-LIKE ODOR, 150 mL/m FOR 10 MIN

Controller Setting: PERISTALTIC 45%

Total Volume Purged: 5250 mL

Sample ID: YVS-1B-20210316 @ 1030

Duplicate ID: X

Other: X

As, PCE, Gx, Dx
1 3 3 2

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-2	**Date:** 3-16-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 19.00	Total Depth to Well: —	
Weather Observations: 45F, SUNNY		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1115	19.47	150	2250	— BEGIN	YSI CONNECTION				CLEAR, SLIGHT HC ODOR
1120	19.47	150	3000	16.6	6.42	0.624	-27.5	16.0	CLEAR, NO ODORS
1125	19.47	150	3750	16.5	6.35	0.612	-29.9	15.8	" "
1130	19.47	150	4500	16.6	6.34	0.612	-30.3	15.9	" "
1135	19.47	150	5250	16.6	6.33	0.612	-30.4	15.8	" "
1140	BYPASS YSI / SAMPLES								

Notes: 1100 BEGIN PURGE @ 150mL/m, RUST FLAKES, HYDROCARBON-LIKE ODOR (SLIGHT) PURGED FOR 15 MIN

Controller Setting: PERISTALTIC 40%

Total Volume Purged: 5250 mL's

Sample ID: YVS-2-20210316 @ 1140

~~Duplicate~~ ID: MS/MSD FOR PESTICIDES / TPH-GX

Other: X

AS, PCE, PEST, GX +MS/MSD PEST x4, GX x6

1 3 4 6

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: MW-12	**Date:** 3-16-2021	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 20.05	Total Depth to Well: ✓	
Weather Observations: 45°F, Sunny		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1300	20.07	150	~~1500~~	— BEGIN		YSI CONNECTION			"CLEAR, NO ODORS"
1305	20.07	150	2250	15.6	6.78	0.297	64.8	3.7	" "
1310	20.07	150	3000	15.1	6.69	0.306	121.9	3.1	" "
1315	20.07	150	3750	15.1	6.63	0.307	123.6	3.1	" "
1320	20.07	150	4500	15.1	6.63	0.307	125.9	3.1	" "
1325	DTW	YSI	SAMPLED						

Notes: 1250 BEGIN PURGE @ 150 mL/m FOR ~~15~~ MINUTES

Controller Setting: SAP

Total Volume Purged: 4500 mL

Sample ID: MW-12-20210316 @ 1325

Duplicate ID: N

Other: N

As, PCE, DO
1 3 2

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YS-1	**Date:** 3-16-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	

Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)

Initial Depth to Water	~~19.30~~ 19.30	Total Depth to Well	20.72

Weather Observations: 50F / SUNNY

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1430	19.30	150	4500	– BEGIN		YSI	CONNECTION		MOSTLY CLEAR, NO ODORS
1435	19.30	150	5250	16.3	6.11	0.669	4.2	54.4	" "
1440	19.30	150	6000	15.4	5.97	0.667	9.6	18.8	CLEAR "
1445	19.30	150	6750	15.4	5.96	0.668	11.3	18.6	" "
1450	19.30	150	7500	15.4	5.93	0.670	11.3	18.5	" "
1455	19.30	150	8250	15.4	5.93	0.670	11.4	18.5	" "
1500	BYPASS YSI / SAMPLED								

Notes: 1400 BEGIN PURGE @ 150 mL/m → INITIALLY YELLOW/TURBID
WATER LEVEL TOO LOW FOR BLADDER PUMP · USING PERISTALTIC

Controller Setting: 50'/, ON PERISTALTIC

Total Volume Purged: 8250 mL

Sample ID: YS-1-20210316@1500

Duplicate ID: N

Other: N

As, TPH-Dx

1 2

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-3	**Date:** 3-16-2021	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 18.45	Total Depth to Well:	
Weather Observations: 60F / SUNNY		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1525	18.45	150	1500	– BEGIN	YSI	CONNECTION			CLEAR, NO ODORS
1530	18.45	150	2250	15.6	5.80	0.484	174.0	4.2	" "
1535	18.45	150	3000	15.7	5.80	0.484	187.5	4.2	" "
1540	18.45	150	3750	15.6	5.80	0.484	188.3	4.1	" "
1545	18.45	150	4500	15.6	5.80	0.484	189.9	4.1	" "
1550	BYPASS YSI / SAMPLES								

Notes: 1515 BEGIN PURGE @ 150 mL/m FOR 10 MIN

Controller Setting: CPM 4 10/5 @ 15 PSI

Total Volume Purged: 4500 mL

Sample ID: YVS-3-20210316 @ 1550

Duplicate ID: N

Other: N

PCE x3, DX x2, BENZENE x3

3 2 3

1700

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-3-60	**Date:** 3-16-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 21.50	Total Depth to Well: —	
Weather Observations: 60F / sunny		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1610	22.12	150	~~1500~~ 1500	— CONNECT		YSI	—		CLEAR, NO ODORS
1615	22.15	150	2250	16.2	6.40	0.417	221.8	15.6	" "
1620	22.15	150	3000	16.2	6.28	0.415	228.9	6.5	" "
1625	22.15	150	37500	16.3	6.29	0.416	229.1	6.4	" "
1630	22.15	150	4500	16.3	6.29	0.416	230.2	6.4	" "
1635	BYPASS	YSI	/ SAMPLES						

Notes: 1600 BEGIN PURGE @ 150 mL/m

Controller Setting: SAP

Total Volume Purged: 4500mL

Sample ID: YVS-3-60-20210316 @ 1635

Duplicate ID: NO

Other: NO

As, PCE, DX
1 1 3 2

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-3-90	**Date:** 3-16-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 25.38	Total Depth to Well: —	
Weather Observations: 55F/PARTLY CLOUDY		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1700	25.40	150	2250	—	BEGIN	YSI	CONNECTION		CLEAR, NO ODOR
1705	25.40	150	3000	16.1	6.88	0.293	240.8	25.1	" "
1710	25.40	150	3750	16.1	7.01	0.292	236.0	12.2	" "
1715	25.40	150	4500	16.0	7.02	0.292	236.1	12.2	" "
1720	25.40	150	5250	16.0	7.02	0.292	236.3	12.1	" "
1725	BYPASS YSI / SAMPLES								

Notes: 1645 BEGIN PURGE @ 150 mL/m

Controller Setting: SAP

Total Volume Purged: 5250 mL

Sample ID: YVS-3-90@1725

Duplicate ID: MS/MSD FOR As, PCE, Dx

Other: X

As, PCE, Dx + MS/MSD

BOTTLES = 2 6 4

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: MW-6	**Date:** 3-16-2021	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	

Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)

Initial Depth to Water	NA	Total Depth to Well	NA

Weather Observations: 55 F / PARTLY CLOUDY

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1750	NA	150	1500	— BEGIN	YSI	CONNECTION			CLEAR, NO ODOR
1755	NA	150	2250	15.2	5.88	0.682	261.0	2.9	" "
1800	NA	150	3000	15.1	5.84	0.682	260.9	2.9	" "
1805	NA	150	3750	15.1	5.84	0.682	260.6	2.8	" "
1810	NA	150	4500	15.1	5.83	0.682	260.5	2.9	" "
1815	BYPASS: YSI / SAMPLES								

Notes: 1740 BEGIN PURGE @ FOR 10 MIN @ 150 mL/m
WELL BROKEN, NO DTW

Controller Setting: CAP

Total Volume Purged: 4500

Sample ID: MW-6-20210316 @ 1815

Duplicate ID: NO

Other: NO

As, PCE, DX
1 3 2

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
MW-12	20210306			1315	3-16-21	
BG-60		BG-601-20210306		0920 / 0925		
BG-90				0830		
YVS-1B				1030		
YVS-2			X	1140		
YS-1				1500		
MW-6				1815		
YVS-3			X	1550		
YVS-3-60				1635		
YVS-3-90				1725		
TB	20210306			0800	3-16-21	

Sampling Information

Analysis	Method	Container	No. of Bottl	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
N-ammonia	EPA 350.1	---	1**	H2SO4	pace	
Nitrogen (No2 + No3)	EPA 300.1	250 mL HDPE	1**	H2SO4	Pace	
Pesticides*	EPA 8081	1 L AG	2	Unpreserved	Pace	
Total Arsenic	200.8 ICPMS	250 mL HDPE	1	HNO3	Pace	Field Filtered
TDS	SM 2540C	500 mL HDPE	1	Unpreserved	Pace	
Fecal Coliform	SM 9222D	120 mL Sod. Thio	1	Sod. Thio	Valley Labs	30-hour hold

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

**ammonia/nitrogen may be extracted from same bottle

Daily Safety Briefing Form

ANCHOR QEA

Date: 3/16/2021
Project No: 192024-01.01
Project Name: U-Haul/Yakima Spray Valley Site

Person Conducting Meeting: S. Stuehr
Health & Safety Officer: Timothy Shaner
Project Manager: Halah Voges

TOPICS COVERED:

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

Weather Conditions: Sunny 50s

Daily Work Scope: Well monitoring + sampling

Site-specific Hazards: Traffic, COC's

Safety Comments:

Attendees		End of Day Wellness Check Initials
Printed Name	**Signature**	
Stephen Stuehr	SS	

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PACKING SLIP

DATE	SALE ORDER#
3/15/2021	98705

BILL TO
Anchor QEA 1201 3rd Ave STE 2600 Seattle, WA 98101 ATTN: Accounts Payable EMAIL

SHIP TO
Anchor QEA W/C Attn: Stephen Strehl

P.O. NUMBER	TERMS	SHIP DATE	SHIP VIA	PROJECT	TASK NO.
192024-01.01	Net 30	3/15/2021	Will Call		

ITEM I.D.	DESCRIPTION	QUANTITY
QF045	0.45 Micron High Capacity Groundwater Filter, 609 cm2 Sales Tax .	8

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Date	Transaction no
11-Mar-21	01-51762-3

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

Customer no	2879130	Representative	Jason Miller	
Customer P.O.	192024-01.01	SHIP VIA	Will Call	
Quotation no	0-0	Shipping	15-Mar-21	03/16/2021
Reservation no		Close Contract	17-Mar-21	
Contract no	0-0			

Qty	Registration Code	Ret. Qty	Description
MULTIP : MULTIPARAMETER INSTRUMENTS			
1	YSIPRODSS.20	_____	YSI ProDSS
1	PRODSSCBL4.20	_____	YSI ProDSS Cable
1	PRODSSCOND.20	_____	YSI ProDSS Cond/Temp Probe
1	PRODSSODO.20	_____	YSI ProDSS ODO Probe
1	PRODSSPH.20	_____	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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Date	Transaction no
11-Mar-21	01-51762-3

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

Customer no	2879130		Representative	Jason Miller	
Customer P.O.	192024-01.01		SHIP VIA	Will Call	
Quotation no	0-0		Shipping	15-Mar-21	03/16/2021
Reservation no			Close Contract	17-Mar-21	
Contract no	0-0				

Qty	Registration Code	Ret. Qty	Description
1	PRODSSTURB.20	_____	YSI ProDSS Turbidity Probe
QEDSAM : QED SAMPLING SYSTEMS			
1	MP-15.05	_____	QED MP-15 Controller
1		_____	5LB CO2 Cylinder, Aluminum
WLM : WATER LEVEL METERS			
1	WLM100P6.57	_____	Solinst Water Level Meter, 100' P6
1		_____	Solinst Tape Guide

Shipping Notes
W/C

Quarter 2

Daily Safety Briefing Form

Date: 6-15-2021
Project No: 192024-01.01
Project Name: U-Haul/Yakima Spray Valley Site

Person Conducting Meeting: Stephen Smith
Health & Safety Officer: Timothy Shaner
Project Manager: Halah Voges

TOPICS COVERED:

- [x] Emergency Procedures and Evacuation Route
- [x] Directions to Hospital
- [x] HASP Review and Location
- [x] Safety Equipment Location
- [x] Proper Safety Equipment Use
- [ ] Employee Right-to-Know/ SDS Location
- [x] Fire Extinguisher Location
- [x] Eye Wash Station Location
- [ ] Buddy System
- [x] Self and Coworker Monitoring
- [x] Lines of Authority
- [x] Communication
- [ ] Site Security
- [ ] Vessel Safety Protocols
- [ ] Work Zones
- [x] Vehicle Safety and Driving/ Road Conditions
- [ ] Equipment Safety and Operation
- [x] Proper Use of PPE
- [x] Decontamination Procedures
- [ ] Near Miss Reporting Procedures
- [x] Lifting Techniques
- [x] Slips, Trips, and Falls
- [x] Hazard Exposure Routes
- [x] Heat and Cold Stress
- [x] Overhead and Underfoot Hazards
- [x] Chemical Hazards
- [x] Flammable Hazards
- [x] Biological Hazards
- [x] Eating/Drinking/Smoking
- [x] Reviewed Prior Lessons Learned
- [ ] Field Team Medical Conditions for Emergency Purposes (Confidential):
- [x] Other: COVID 19

Weather Conditions:

Daily Work Scope: well monitoring/ sampling

Site-specific Hazards: slips / trips / traffic

Safety Comments:

Attendees		End of Day Wellness Check Initials
Printed Name	Signature	
Stephen Smith	SBS	SS

PLAYING IT SAFE

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
MW-12	20210615			0950	6-15-21	
BG-60		BG-601-20210615 (As, PCE, Dx)		0755/0800		
BG-90				0850		
YVS-1B				1110		
YVS-2		MS-201-20210615 (Gx)		1220/1225		
YS-1				1415		
MW-6			PCE, Dx	1700		
YVS-3				1500		
YVS-3-60				1535		
YVS-3-90				1615		
TB	20210615			0800	6-15-21	

Sampling Information

Analysis	Method	Container	No. of Bottl	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
N-ammonia	EPA 350.1	---	1**	H2SO4	pace	
Nitrogen (No2 + No3)	EPA 300.1	250 mL HDPE	1**	H2SO4	Pace	
Pesticides*	EPA 8081 ✓	1 L AG	2	Unpreserved	Pace	
Total Arsenic	200.8 ICPMS ✓	250 mL HDPE	1	HNO3	Pace	Field Filtered
TDS	SM 2540C	500 mL HDPE	1	Unpreserved	Pace	
Fecal Caliform	SM 9222D	120 mL Sod. Thio	1	Sod. Thio	Valley Labs	30-hour hold

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

**ammonia/nitrogen may be extracted from same bottle

→ NO BOTTLES FOR PESTICIDES DUP OR MS/MSD

→ NO BOTTLES FOR BENZENE DUP OR MS/MSD

→ NO BOTTLES FOR ARSENIC MS/MSD

+ MS/MSD FOR PCE, Dx ONLY

– As, PCE, Dx, Gx DUPS

Yakima Groundwater Gauging Log

Date: 6-15-21			Project Number: 192024-01.01	
Personel On the Site			Weather	
Name		Affiliation	Conditions: PARTLY CLOUDY 70°F	
STEPHEN SMIETZ		AQ	Temperature: 70F - 60F	
			Precipitation: PREVIOUS DAY, LIGHT RAIN	
			Other: NA	
Well Number	**Time**	**Depth to Water (ft)**	**Total well Depth (ft)**	**Comments**
BG-60	0715	20.70	-	
BG-90	0810	21.50	-	
MW-12	0915	17.12	-	
YVS-1B	1030	16.90	-	
YVS-2	1140	16.20	-	
YS-1	1315	17.00	-	
YS-2	1440	14.63	-	not sampled
MW-8	1715	14.37	-	not sampled
MW-6	1620	NA	-	WELL BROKEN
YVS-3	1420	15.45	-	
YVS-3-60	1500	19.70	-	
YVS-3-90	1540	21.94	-	
MW-9	1435	16.36	-	not sampled

Additional Comments:

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: BG-60	**Date:** 6-15-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 20.70	Total Depth to Well: –	
Weather Observations: Sunny 65F		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0730	20.81	200	3000	→ CONNECT YSI					
0735	20.81	200	4000	16.8	6.77	0.451	224.2	9.23	CLEAR, NO ODOR
0740	20.81	200	5000	16.8	6.60	0.451	193.0	4.84	" "
0745	20.81	200	6000	16.8	6.60	0.451	192.0	4.82	" "
0750	20.81	200	7000	16.8	6.59	0.451	191.7	4.80	" "
0755	BYPASS YSI / SAMPLING								
0800	SAMPLING DUPLICATE								

Notes: 0715 BEGIN PURGE FOR 15 MIN / @ 200 mL/m

Controller Setting: 3AP

Total Volume Purged: 7,000

Sample ID: BG-60-20210615 @ 0755

Duplicate ID: BG-601-20210615 (As, PCE, Dx) @ 0800

Other: X

As, PCE, Dx

1 3 2

0.73
133.9

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: BG-90	**Date:** 6.15.21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 21.50	Total Depth to Well: —	

Weather Observations: Partly cloudy 65F°

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0820	21.76	150	1500	—	Connect YSI				Clear, no odors
0825	21.80	150	2250	16.9	6.21	0.461	173.7	16.84	" "
0830	21.80	150	3000	16.8	6.38	0.461	155.3	10.94	" "
0835	21.80	150	3750	16.8	6.81	0.461	128.0	4.34	" "
0840	21.80	150	4500	16.8	6.82	0.461	127.7	4.32	" "
0845	21.80	150	5250	16.9	6.82	0.461	127.5	4.30	" "
0850	Bypass YSI / Samples								

Notes: Pump on 0810 Begin purge @ 150 mL/m for 40 min

Controller Setting: cmp 3 11/9 sec @ 40 psi

Total Volume Purged: 5250

Sample ID: BG-90-20210615 @ 0850

Duplicate ID: X

Other: X

As, PCE, DX

1 3 2

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: MW-12	**Date:** 6.15.21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: ~~Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow,~~ (or Peristaltic Pump/Low Flow)		
Initial Depth to Water 17.12 ~~Static Water~~	Total Depth to Well	—
Weather Observations: SUNNY 70F		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0925	17.12	200	2,000	→	CONNECT		YSI	—	CLEAR, NO ODORS
0930	17.12	200	3,000	15.9	7.05	0.357	153.3	2.46	" "
0935	17.12	200	4,000	15.8	6.90	0.356	160.9	2.15	" "
0940	17.12	200	5,000	15.7	6.89	0.356	161.2	2.15	" "
0945	17.12	200	6,000	15.7	6.89	0.356	161.7	2.13	" "
0950	BYPASS YSI / SAMPLED								

Notes: 0915 BEGIN PURGE @ 200 mL/m FOR 10 MIN

Controller Setting: @ 20 PSI

Total Volume Purged: 6,000

Sample ID: MW-12-20210615 @ 0950

Duplicate ID: X

Other: X

As, DCE, DO
1 / 3 2

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS - 1B	**Date:** 6-15-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	

Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)

Initial Depth to Water	16.90	Total Depth to Well	—

Weather Observations: 70°F / PARTLY CLOUDY

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1040	16.85	150	1500	— CONNECT YSI —					MOSTLY CLEAR, NO ODORS
1045	16.90	150	2250	18.2	6.32	1.750	29.7	85.11	" "
1050	16.90	150	3000	18.4	6.15	1.654	17.0	15.40	" " CLEAR, NO ODORS
1055	16.90	150	3750	18.4	6.16	1.657	16.0	9.88	" "
1100	16.90	150	4500	18.3	6.16	1.654	15.7	9.86	" "
1105	16.90	150	5250	18.3	6.15	1.658	13.9	9.84	" "
1110	BYPASS YSI / SAMPLED								

Notes: 1030 START PURGE @150ML/M FOR LO FLOW / SOME SAND/GRAVEL/RUST-LIKE COLOR AT FIRST

Controller Setting: PERISTALTIC USED (NO BLADDER PUMPS)

Total Volume Purged: 5250

Sample ID: YVS-1B-20210615 @ 1110

Duplicate ID: X

Other: X

As, PCE, Gx, Dx
1 | 3 | 3 | 2

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-2	**Date:** 6-15-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	

Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow (or Peristaltic Pump/Low Flow)

Initial Depth to Water	16.20	Total Depth to Well	–

Weather Observations: PARTLY CLOUDY 75°F

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1140	16.51	150	1500	→	CONNECT YSI		—	—	CLEAR, HC ODOR
1155	16.51	150	2250	19.1	6.32	0.628	13.0	7.87	" , SLIGHT HC ODOR
1200	16.51	150	3000	18.7	6.25	0.645	-2.9	7.99	" , "
1205	16.51	150	3750	19.0	6.22	0.[illegible]	-18.9	7.94	" , "
1210	16.51	150	4500	19.0	6.22	0.750	-24.7	7.45	" , "
1215	16.51	150	5250	19.0	6.22	0.755	-25.2	7.43	" , "
1220	BYPASS YSI / SAMPLED								
1225	SAMPLED	GX	DUPLICATE						

0.732

Notes: 1140 BEGIN PURGE @ 150 mL/m FOR 10 MIN – INITIALLY BLACK FLAKES + MODERATE HYDROCARBON ODOR

Controller Setting: PERISTALTIC (24?)

Total Volume Purged: 5250

Sample ID: YVS-2-20210615 @ 1220

Duplicate ID: YVS-201-20210615 (GX) @ 1225

Other: HC = HYDROCARBON-LIKE

As	PCE	PEST	GX	+GX DUP	DX
1	3	2	3	3 (DUP ?)	2

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YS-1	**Date:** 6-15-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	

Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow (or Peristaltic Pump/Low Flow)

Initial Depth to Water	17.00	Total Depth to Well	—

Weather Observations: Cloudy, 70F

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1345	17.00	200	6000	—	connect	YSI	—	—	CLEAR, NO ODORS
1350	17.00	200	7000	16.6	5.89	0.765	155.0	34.64	" "
1355	17.00	200	8000	16.3	5.77	0.770	90.0	20.36	" "
1400	17.00	200	9000	16.3	5.77	0.766	78.8	9.71	" "
1405	17.00	200	10000	16.3	5.78	0.767	78.8	9.68	" "
1410	17.00	200	11,000	16.2	5.78	0.767	78.6	9.65	" "
1415	BYPASS YSI / SAMPLES								

Notes: 1315 BEGIN PURGE @ 200 mL/M, INITIALLY RUST-COLORED + CLOUDY, NO ODORS, PURGED UNTIL CLEAR.

Controller Setting: PERISTALTIC 40%

Total Volume Purged: 11,000

Sample ID: YS-1-20210615 @ 1415

Duplicate ID: X

Other: X

As, Dy
1 2

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-3	**Date:** 6-15-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 15.45	Total Depth to Well: —	

Weather Observations: cloudy, 65 F

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1430	15.60	~~150~~	1500	—	CONNECT	YSI	—		CLEAR, NO ODOR
1435	15.60	150	2250	16.2	5.80	0.302	135.7	2.93	" "
1440	15.60	150	3000	16.2	5.71	0.300	159.1	2.59	" "
1445	15.60	150	3750	16.2	5.70	0.300	161.4	2.49	" "
1450	15.60	150	4500	16.2	5.70	0.300	162.0	2.50	" "
1500	Bypass YSI / Sampled								

Notes: 1420 BEGIN PURGE @ 150 mL/m FOR 10 MIN

Controller Setting: @ 15 PSI

Total Volume Purged: 4500

Sample ID: YVS-3-20210615 @ 1500

Duplicate ID: X

Other: X

PCE, DCE, BENZENE
3 2 3

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-3-60	**Date:** 6-15-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 18.70	~~Total Depth to Well~~: —	

Weather Observations: Partly Cloudy, 70F

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1510	18.80	150	1500	—	CONNECT	YSI	—		Clear no odors
1515	18.80	150	2250	17.9	6.49	0.474	187.3	21.82	" "
1520	18.80	150	3000	17.9	6.48	0.475	186.5	8.64	" "
1525	18.80	150	3750	17.9	6.45	0.475	186.2	8.60	" "
1530	18.80	150	4500	17.8	6.45	0.475	185.9	8.65	" "
1535	BYPASS YSI / SAMPLED								

Notes: 1500 BEGIN PURGE @ 150 mL/m FOR 30 MIN

Controller Setting: @ 30 PSI

Total Volume Purged: 4500

Sample ID: YVS-3-60-20210615 @ 1535

Duplicate ID: X

Other: X

As, PCE, Dx

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-3-90	**Date:** 6-14-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: ~~Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow,~~ (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 21.94	Total Depth to Well: —	
Weather Observations: Partly cloudy, 70F		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1540	21.98	150	1500	—	connect		YSI	—	Clear, no odors
1555	21.98	150	2250	18.6	7.16	0.390	160.1	17.01	" "
1600	21.98	150	3000	17.9	7.05	0.389	146.0	9.84	" "
1605	21.98	150	4500	18.0	7.05	0.389	143.4	9.80	" "
1610	21.98	150	5250	18.0	7.05	0.389	142.6	9.82	" "
1615	Bypass YSI / Sample collected								

Notes: 1540 BEGIN PURGE @ 150 mL/m FOR 10 MIN

Controller Setting: 10/5 @ 40 PSI

Total Volume Purged: 5250

Sample ID: YVS-3-90-20210615 @ 1615

Duplicate ID: Y

Other: As, PCE, Dx

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: MW-6	**Date:** 6-15-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: ~~Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow~~ (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: NA	Total Depth to Well: —	

Weather Observations: Sunny 75°F

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1630	NA	150	1500	—	BEGIN YSI		—	—	CLEAR, NO ODORS
1635	NA	150	2250	17.1	5.62	0.598	234.6	2.26	" "
1640	NA	150	3000	17.0	5.60	0.597	238.1	2.13	" "
1645	NA	150	3750	17.0	5.60	0.597	239.2	2.12	" "
1650	NA	150	4500	17.0	5.60	0.597	239.9	2.11	" "
1700	Bypass YSI / Samples								

Notes: 1620 BEGIN PURGE @ 150 mL/m FOR 10 MIN

Controller Setting: @ 15 PSI

Total Volume Purged: 4500

Sample ID: MW-6-20210615 @ 1700

~~Duplicate ID:~~ MS/MSD FOR Dx/PCE

Other: NO DTW - BROKEN WELL

As, PCE, Dx	Dx and PCE MS/MSD
1 3 2	2 3

Quarter 3

Daily Safety Briefing Form

ANCHOR QEA

Date: 9-28-21

Project No: 192024-01.01

Project Name: U-Haul/Yakima Spray Valley Site

Person Conducting Meeting: STEVE STRELH

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
- ☑ Field Team Medical Conditions for Emergency Purposes (Confidential):
- ☑ 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: 50-60F, PARTLY CLOUDY, OVERNIGHT RAIN

Daily Work Scope: WELL SAMPLING

Site-specific Hazards: SLIPS, TRIPS, TRAFFIC

Safety Comments:

Attendees		End of Day Wellness Check Initials
Printed Name	Signature	
STEPHEN STRELH	SBS	SS

PLAYING IT SAFE

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
MW-12	-20210928	—	—	SEE GW	9-28-21	
BG-60	↓	BG-601-20210928	—	FORMS	↓	As, PCE, DX, DUP
BG-90		—	—	↓		
YVS-1B		—	—			
YVS-2		—	X			
YS-1		—	—			
MW-6		—	—			
YVS-3		—	X			BENZENE MS/MSD
YVS-3-60		—	—			
YVS-3-90	↓	—	—	↓	↓	
TB	-20210928	—	—		9-28-21	PCE, BENZENE

Sampling Information

Analysis	Method	Container	No. of Bottl	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
N-ammonia	EPA 350.1	---	1**	H2SO4	pace	
Nitrogen (No2 + No3)	EPA 300.1	250 mL HDPE	1**	H2SO4	Pace	
Pesticides*	EPA 8081	1 L AG	2	Unpreserved	Pace	
Total Arsenic	200.8 ICPMS	250 mL HDPE	1	HNO3	Pace	Field Filtered
TDS	SM 2540C	500 mL HDPE	1	Unpreserved	Pace	
Fecal Coliform	SM 9222D	120 mL Sod. Thio	1	Sod. Thio	Valley Labs	30-hour hold

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

**ammonia/nitrogen may be extracted from same bottle

Yakima Groundwater Gauging Log

Date: 9-28-21		Project Number: 192024-01.01	
Personel On the Site		Weather	
Name STEPHEN STREETER	Affiliation AQ	Conditions: PARTLY CLOUDY Temperature: 50-60 Precipitation: OVERNIGHT RAIN Other:	

Well Number	Time	Depth to Water (ft)	Total well Depth (ft)	Comments
BG-60	0702	17.31	—	
BG-90	0800	18.82	—	
MW-12	0905	13.64	—	
YVS-1B	1015	12.20	—	
YVS-2	1115	11.80	—	
YS-1	1240	14.90	—	
YS-2	1434	14.17	—	not sampled
MW-8	1655	14.00	—	not sampled
MW-6	NOT ABLE TO MEASURE		—	
YVS-3	1340	12.87	—	
YVS-3-60	1420	15.95	—	
YVS-3-90	1505	19.98	—	
MW-9	1432	14.90	—	not sampled

Additional Comments: MW-6 BROKEN WELL ITEM

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: BG-60	**Date:** 7-28-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	

Method: (Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow) or Peristaltic Pump/Low Flow)

Initial Depth to Water	17.31	Total Depth to Well	—

Weather Observations: 46°F, PARTLY CLOUDY, RECENT RAIN

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0720	17.40	150	2250	—	CONNECT	YSI	—	—	CLEAR, NO ODORS
0725	17.40	150	3000	16.6	6.59	0.355	-120.5	7.05	" "
0730	17.40	150	3750	16.4	6.78	0.353	-117.6	5.00	" " ✓
0735	17.40	150	4500	16.5	6.72	0.352	-120.1	4.95	" " ✓
0740	17.40	145	5250	16.5	6.73	0.352	-121.6	4.92	" " ✓
0745	- BYPASS & SI / SAMPLING								

Notes: BEGAN PURGE @ 705 @ 150 mL/m FOR 15 MIN

Controller Setting: CPM 4 10/5 SEC @ 30 PSI

Total Volume Purged: ~5300

Sample ID: BG-60 - 20210928 @ 0745

Duplicate ID: BG-601 - 20210928 @ 0750

Other:

As, PCE, VOC
1 3 2 = 6

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: MW-90	**Date:** 7-28-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	

Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)

Initial Depth to Water	18.82	Total Depth to Well	—

Weather Observations: 48°F, PARTLY CLOUDY, OVERNIGHT RAIN

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0810	18.95	200	2,000	—	CONNECT	YSI	—		CLEAR, NO ODORS
0815	18.95	200	3,000	16.8	6.55	0.363	-117.1	14.20	" "
0820	18.95	200	4,000	17.1	6.67	0.363	-130.6	10.10	" "
0825	18.95	200	5,000	17.1	6.69	0.363	-138.9	9.88	" " ✓
0830	18.95	200	6,000	17.1	6.75	0.364	-145.8	9.80	" " ✓
0835	18.95	200	7000	17.0	6.77	0.364	-147.1	9.76	✓
0840	- NYDATS YSI / SAMPLED								

Notes: BEGIN PURGE @ 800 @ 200 mL/m FOR 10 MIN

Controller Setting: CPM 3 4 l/q sec @ 40 psi

Total Volume Purged:

Sample ID: MW-90-20210728 @ 0840

Duplicate ID: Y

Other: As, PCE, DO

=b

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: MW-12	**Date:** 9-28-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 13.64	Total Depth to Well: —	
Weather Observations: 55°F, MOSTLY CLOUDY OVERNIGHT RAIN		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0915	13.64	200	2000	—	CONNECT		YSI	—	CLEAR, NO ODORS
0920	13.64	200	3000	17.8	6.62	0.368	-88.6	3.30	" "
0925	13.64	200	4000	17.8	6.63	0.369	-95.6	2.93	" "
0930	13.64	200	5000	17.8	6.63	0.369	-96.0	2.92	" "
0935	13.64	200	6000	17.8	6.63	0.369	97.1	2.92	" "
0940	BYPASS YSI / SAMPLES								

Notes: BEGIN PURGE 905 @ 200 mL/m FOR 10 MIN

Controller Setting: CPM4 10/5 SEC @ 10 PSI

Total Volume Purged:

Sample ID: MW-12-20210928 @ 0940

Duplicate ID: X

Other: X

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-1B	**Date:** 9-28-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	

Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)

Initial Depth to Water	12.20	Total Depth to Well	—

Weather Observations: 54°F, MOSTLY CLEAR, OVERNIGHT RAIN

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1030	12.20	150	2250	—	CONNECT	YSI	—	CLEAR, NO ODORS
1035	12.20	150	3000	18.3	6.62	0.552	-122.4	13.54	" "
1040	12.20	150	3750	18.3	6.62	0.549	-119.3	12.19	" "
1045	12.20	150	4500	18.2	6.62	0.546	-118.2	12.10	" "
1050	12.20	150	5250	18.3	6.62	0.547	-118.0	12.07	" "
1055	BYPASS YSI / SAMPLES								

Notes: BEGIN PURGE 1015 @ 150 mL/m FOR 15 MIN. INITIAL WATER W/ ORANGE FLAKES AND TURBID

Controller Setting: 50% - TUBING AT 22' BELOW TOC

Total Volume Purged: ~5300 mL

Sample ID: YVS-1B-20210928 @ 1055

Duplicate ID: X

Other: [redacted]

TPH-Dx, As, PCE, [redacted], TPH-Gx

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-2	**Date:** 9-28-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 11.80	Total Depth to Well: —	
Weather Observations: 55°F, PARTLY CLOUDY, OVERNIGHT RAIN		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1125	11.85	150	1500	—	CONNECT	YSI	—		CLEAR, NO ODORS
1130	11.85	150	2250	19.6	5.86	0.588	-482.6	30.74	" "
1135	11.85	150	3000	19.4	5.82	0.599	-199.4	20.98	" "
1140	11.85	150	3750	19.3	5.80	0.602	-200.1	20.61	" "
1145	11.85	150	4500	19.3	5.79	0.603	-201.6	20.59	" "
1150	BYPASS	YSI / SAMPLED							

Notes: BEGIN PURGE 1115 @ 150 mL/m FOR LC MSD

Controller Setting: 50 L

Total Volume Purged: 4500 mL

Sample ID: YVS-2-20210928 @ 1150

Duplicate ID: X

Other: MS/MSD

Dx, Gx, PEST, PCE, As

4 6 4 6 2 = 22 BOTTLES

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YS-1	**Date:**	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: ~~Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow~~ (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 14.90	Total Depth to Well: —	

Weather Observations: 60°F, SUNNY, OCCASIONAL WIND

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1305	15.00	150	2250	—	CONNECT		YSI	—	CLEAR, NO ODOR
1310	15.00	150	4500	18.8	6.	0.324	-100.1	29.41	" "
1315	15.00	150	5250	18.8	6.30	0.324	-106.4	22.10	" "
1320	15.00	150	6000	18.7	6.30	0.325	-108.2	22.06	" "
1325	15.00	150	6750	18.7	6.30	0.325	-109.1	21.74	" "
1330	BYPASS YSI / SAMPLED								

Notes: BEGIN PURGE 1240 @ 150 mL/m FOR 25 MIN, FAINTLY ORANGE / TURBID WATER, PURGED CLEAR

Controller Setting: CPM4 10/5 sec 15 PSI

Total Volume Purged: ~6900 mL

Sample ID: YS-1-20210928@1330

Duplicate ID: X

Other: X

AS, DX

1 2

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-3		**Date:** 9-28-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site		**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)			
Initial Depth to Water	12.87	Total Depth to Well	—

Weather Observations: 60F, SUNNY, OVERNIGHT RAIN

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1350	12.88	150	1500	—	CONNECT		YSI	—	CLEAR, NO ODORS
1355	12.88	150	2250	19.6	5.22	0.538	-174.8	5.50	4 L
1400	12.88	150	3000	19.6	5.22	0.545	-182.8	5.40	4 L ✓
1405	12.88	150	3750	19.5	5.22	0.551	-188.2	5.37	4 L ✓
1410	12.88	150	4500	19.5	5.23	0.552	-190.3	5.38	4 L ✓
1415	BYPASS YSI / SAMPLES								

Notes: BEGIN PURGE 1340 @ 150 mL/m FOR 10 min

Controller Setting: CPM 10/6 SEC 15 PSI

Total Volume Purged: ~4500 mL

Sample ID: YVS-3-20210928@1415

Duplicate ID: X

Other: BENZENE MS/MSD

BENZ, PCE, DX

6 3 2 = 11

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-3-60	**Date:** 9-2	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	
Method: ~~Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow,~~ (or Peristaltic Pump/Low Flow)		
Initial Depth to Water: 15.95	Total Depth to Well: —	

Weather Observations: CLOUDY, 55°F, OVERNIGHT RAIN

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1435	16.01	150	2250	19.0	6.50	0.369	-75.0	18.85	CLEAR, NO ODORS
1440	16.01	150	3000	19.0	6.50	0.369	-97.2	7.51	" " ✓
1445	16.01	150	3750	18.9	6.52	0.369	-98.7	7.49	" " ✓
1450	16.01	150	4500	18.9	6.52	0.369	-99.2	7.48	" " ✓
1500	BYPASS YSI / SAMPLES								

Notes: BEGIN PURGE 1420 @ 150 mL/m FOR 10 MIN / CONNECT YSI @ 1430

Controller Setting: CPUM4 10/5 sec 30 psi

Total Volume Purged: 5250 mL

Sample ID: YVS-3-60-20210928 @ 1500

Duplicate ID: X

Other:

As, PCE, Dx
1, 3, 2

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: YVS-3-90		**Date:** 9-28-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site		**Project Number:** 192024-01.01 T2	
Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)			
Initial Depth to Water	19.98	Total Depth to Well	—

Weather Observations: 55°F, CLOUDY, OVERNIGHT RAIN

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1515	20.00	200	2000	—	CONNECT	YSI	—		CLEAR, NO ODORS
1520	20.00	200	3000	17.8	7.11	0.281	-146.9	10.50	" "
1525	20.00	200	4000	17.7	7.35	0.281	-155.9	10.44	" "
1530	20.00	200	5000	17.7	7.37	0.281	-157.0	10.42	" "
1535	20.00	200	6000	17.6	7.38	0.281	-155.0	10.42	" "
1540	BYPASS YSI / SAMPLES								

Notes: BEGIN PURGE: 1505 @ 200 mL/m FOR 10 MIN

Controller Setting: 40 PSI 10/5 SEC

Total Volume Purged:

Sample ID: YVS-3-90-20210928@1540

Duplicate ID: X

Other: X

As, PCE, ND X

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Groundwater Collection Form: Water Quality Monitoring, Yakima WA

Well ID: MW-6	**Date:** 9-28-21	**Sampler:** S. Strehl
Project Name: Yakima Valley Spray Site	**Project Number:** 192024-01.01 T2	

Method: Dedicated QED Well Pump, MP-15 QED Controller with CO2 Tank, Low Flow, (or Peristaltic Pump/Low Flow)

Initial Depth to Water	NA (BROKEN WELL HEAD)	Total Depth to Well	—

Weather Observations: 55°F, PARTLY CLOUDY, OVERNIGHT RAIN

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1605	NA	200	2000	—	CONNECT		485	—	CLEAR, NO ODORS
1610	NA	200	3000	19.7	6.19	0.927	-103.6	2.41	" "
1615	NA	200	4000	19.6	6.19	0.928	-104.1	2.40	" "
1620	NA	200	5000	19.6	6.19	0.928	-103.9	2.40	" "
1625	NA	200	6000	19.6	6.19	0.928	103.6	2.41	" "
1630	BYPASS	YSI	/ SAMPLED						

Notes: 1555 BEGIN PURGE @ 200mL/m FOR 10 min

Controller Setting: CPM4 10/5 sec 15 PSI

Total Volume Purged:

Sample ID: MW-6-20210928 @ 1630

Duplicate ID: X

Other: X

As, PCE, Dx

EQUIPCO RENTALS

YSI ProDSS RENTAL
CALIBRATION CERTIFICATE

SERVICE TECHNICIAN: CM DATE: 9/24/21

RENTAL CUSTOMER: Archer GSP

INSTRUMENT INFORMATION

RENTAL I.D. NUMBER: YSIPRODSS.01

SERIAL NUMBER: 16F102612

CALIBRATION INFORMATION

PARAMETER:	STANDARD:	PASS ( )	LOT #
1. CONDUCTIVITY	1,000 µMhos	X	051142
2. pH ZERO	pH 7	X	054276
pH SLOPE	pH 4	X	051137
pH SLOPE	pH 10	X	051140
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)	Y	040621

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DELIVERY SLIP

Date	Transaction no
24-Sep-21	01-53276-4

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	Will Call
Quotation no	0-0	Shipping	24-Sep-21 09/28/2021 -JM
Reservation no		Close Contract	29-Sep-21
Contract no	0-0		

Qty	Registration Code	Ret. Qty	Description
MULTIP : MULTIPARAMETER INSTRUMENTS			
1	YSIPRODSS.01	_____	YSI ProDSS
1	PRODSSCBL4.01	_____	YSI ProDSS Cable
1	PRODSSCOND.01	_____	YSI ProDSS Cond/Temp Probe
1	PRODSSODO.01	_____	YSI ProDSS ODO Probe
1	PRODSSPH.01	_____	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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Date	Transaction no
24-Sep-21	01-53276-4

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Stephen Strehl

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Quotation no	0-0	Shipping	24-Sep-21 09/28/2021 -JM
Reservation no		Close Contract	29-Sep-21
Contract no	0-0		

Qty	Registration Code	Ret. Qty	Description
1	PRODSSTURB.01		YSI ProDSS Turbidity Probe
QEDSAM : QED SAMPLING SYSTEMS			
1	MP-15.05		QED MP-15 Controller
1			5LB CO2 Cylinder, Aluminum
WLM : WATER LEVEL METERS			
1	WLM100P6.57		Solinst Water Level Meter, 100' P6
1			Solinst Tape Guide

Shipping Notes
W/C

Quarter 4

Yakima Groundwater Gauging Log

Date: 11-22-21			Project Number: 192024-01.01	
Personel On the Site			Weather	
Name		Affiliation	Conditions: FREEZING FOG	
S. STUEHL		AQ	Temperature: 30°F Precipitation: NONE Other:	
Well Number	**Time**	**Depth to Water (ft)**	**Total well Depth (ft)**	**Comments**
BG-60		19.90	—	
BG-90		21.00	—	
MW-12		15.95	—	
YVS-1B		15.17	—	HYDROCARBON ODORS
YVS-2		14.08	—	
YS-1		15.92	—	
YS-2		15.01	—	not sampled — PROPANE
MW-8		15.27	—	not sampled — ENTRANCE
MW-6	—	BROKEN WELL	—	—
YVS-3		14.39	—	
YVS-3-60		18.22	—	
YVS-3-90		22.10	—	
MW-9		15.76	—	not sampled — CORNER

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
MW-12	-20211122	—	—	0915	11-22-21	
BG-60	-20211122	BG-601 (740)	—	730		
BG-90	-20211122	—	—	820		
YVS-1B	-20211122	—	—	1030		
YVS-2	-20211122	—	X	1125		
YS-1	-20211122	—	—	1300		
MW-6	-20211122	—	—	1540		BROKEN WELL
YVS-3	-20211122	—	X	1335		
YVS-3-60	-20211122	—	—	1415		
YVS-3-90	-20211122	—	—	1500		
TB	-20211122	—	—	0700	11-22-21	

Sampling Information

Analysis	Method	Container	No. of Bottl	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
~~N-ammonia~~	EPA 350.1	---	1**	H2SO4	pace	
~~Nitrogen (No2 + No3)~~	EPA 300.1	250 mL HDPE	1**	H2SO4	Pace	
Pesticides*	EPA 8081	1 L AG	2	Unpreserved	Pace	
Total Arsenic	200.8 ICPMS	250 mL HDPE	1	HNO3	Pace	Field Filtered
~~TDS~~	SM 2540C	500 mL HDPE	1	Unpreserved	Pace	
~~Fecal Coliform~~	SM 9222D	120 mL Sod. Thio	1	Sod. Thio	Valley Labs	30-hour hold

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

**ammonia/nitrogen may be extracted from same bottle

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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: BG-60	**Date:** 11-22-2021	**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: 19.90	Total Depth to Well: —	

Weather Observations: 30°F, FREEZING FOG

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0705	19.95	150	1500	—	CONNECT	YSI	—		CLEAR, NO ODORS
0710	19.95	150	2250	15.2	6.40	0.349	215.9	22.5	" "
0715	19.95	150	3000	15.1	6.67	0.350	220.9	12.9	" " ✓
0720	19.95	150	3750	15.1	6.68	0.351	221.0	13.0	" " ✓
0725	19.95	150	4500	15.0	6.68	0.351	221.8	12.8	" " ✓
0730	- BYPASS YSI / SAMPLED								

Notes: BEGIN PURGE: 0655 @ 150 mL/m FOR 10 MIN

Controller/Pump Setting: CPM4 10/5 SET @ 30 PSI

Total Volume Purged: ~4500

Sample ID: BG-60-20211122 @ 730

Duplicate ID: BG-601-20211122 @ 740

MS/MSD: X

As, PCE, Dx
1 3 2 = 6 / Dup: As, PCE, Dx
1 3 2 = 6

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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: MW-90	**Date:** 11-22-2021	**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: 21.00	Total Depth to Well: —	
Weather Observations: 30°F, FREEZING FOG		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0755	21.15	150	1500	—	CONNECT	YSI	—		CLEAR, NO ODORS
0800	21.15	150	2250	15.5	7.02	0.361	196.5	5.8	" "
0805	21.16	150	3000	15.6	7.39	0.365	191.7	4.8	" " ✓
0810	21.16	150	3750	15.6	7.40	0.365	192.0	4.9	" " ✓
0815	21.16	150	4500	15.6	7.41	0.364	192.1	4.9	" " ✓
0820	Bypass YSI / Samples								

Notes: BEGIN PURGE: 0745 @ 150 mL/m FOR 10 MIN

Controller/Pump Setting: CPM 3 11/9 SCC @ 40 PSI

Total Volume Purged: ~4500

Sample ID: MW-90-20211122@0820

Duplicate ID: X

MS/MSD: X

As, PCB, DX

1 3 2 = 6

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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: MW-12	**Date:** 11-22-2021	**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: 15.95	Total Depth to Well: —	

Weather Observations: 31°F, FOG

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
0850	15.90	150	1500	—	BEGIN YSI CONNECTION				CLEAR, NO ODORS
0855	15.90	150	2250	14.9	6.48	0.322	203.9	4.2	" "
0900	15.90	150	3000	16.3	6.68	0.306	191.1	3.9	" "
0905	15.90	150	3750	16.3	6.69	0.307	188.9	3.9	" "
0910	15.90	150	4500	16.2	6.70	0.305	190.0	3.8	" "
0915	Bypass	YSI	/ SAMPLED						

Notes: BEGIN PURGE: 0850 @ 150 mL/m FOR 10 MIN

Controller/Pump Setting: Cpm4 10/5 sec @ 10psi
Total Volume Purged: ~4500

Sample ID: MW-12-20210928 @ 0915

Duplicate ID: X

MS/MSD: X

As / PCB / VOA
1 / 3 / 2 + b

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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: YVS-1B	**Date:** 11-22-2021	**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	15.17	Total Depth to Well	—

Weather Observations: 32°F, FOG

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1005	15.18	150	2250	—	CONNECT	YSI	—	—	CLEAR, NO ODORS
1010	15.18	150	3000	15.9	6.04	1.199	79.0	40.1	" "
1015	15.18	150	3750	16.4	6.11	1.559	63.4	20.0	" "
1020	15.18	150	4500	16.4	6.10	1.611	64.5	19.8	" "
1025	15.18	150	5250	16.3	6.10	1.615	64.6	19.6	" "
1030	BYPASS YSI / SAMPLED								

Notes: BEGIN PURGE: 0950 @ 150 ML/M FOR 15 MIN UNTIL NO ORANGE MATERIAL
*THICK ORANGE OXIDIZED SEDIMENT IN INITIAL PURGE, SLIGHT PETROLEUM-LIKE ODOR

Controller/Pump Setting: 50% – TUBING AT 22' BELOW TOC

Total Volume Purged: ~5250

Sample ID: YVS-1B-20211122 @ 1030

Duplicate ID: X

MS/MSD: X

As, PCE, TPH-Dx, TPH-Gx

1 3 2 3 = 9

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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: YVS-2	**Date:** 11-22-2021	**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: 14.00	Total Depth to Well: ———	

Weather Observations: 32°F, FOG

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1100	14.10	150	1500	—	CONNECT		YSI	———	CLEAR, NO ODORS
1105	14.10	150	2250	17.3	4.65	0.510	199.8	20.9	" "
1110	14.10	150	3000	17.3	4.63	0.515	184.4	19.8	" "
1115	14.10	150	3750	17.4	4.62	0.517	184.2	19.6	" "
1120	14.10	150	4500	17.4	4.62	0.516	184.2	19.5	" "
1125	DISC	YSI	SAMPLES						

Notes: BEGIN PURGE: 1050 @ 150 mL/m
* TRACE ORANGE OXIDIZED SEDIMENT/MATERIAL ON INITIAL PURGE

Controller/Pump Setting: 50 %
Total Volume Purged: ~4500

Sample ID: YVS-2-20211122@1125

Duplicate ID: X

MS/MSD: MS/MSD: PEST (2), Dx (2), Gx (3), As (1), PCE (3) @ 1125

Dx, Gx, PEST, PCE, As
4 6 4 6 1 = 22 BOTTLES — ONLY 1 As BOTTLE

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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: YS-1		**Date:** 11-22-2021	**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	15.92	Total Depth to Well	—

Weather Observations: 32 °F, FOG

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1230	16.00	200	4,000	YSI		CONNECTED	—		CLEAR, NO ODOR
1235	16.00	200	5,000	16.0	6.08	0.321	110.4	10.1	" "
1240	16.00	200	6,000	15.9	6.08	0.320	109.1	8.2	" "
1245	16.00	200	7,000	15.9	6.08	0.321	109.0	7.9	" "
1250	16.00	200	8,000	15.8	6.08	0.322	109.0	7.8	" "
1300	BYPASS YSI / SAMPLES								

Notes: BEGIN PURGE: 1210 @ 200 mL/m FOR 20 MIN
* INITIAL PURGE W/ ORANGE COLOR TINT, PURGED CLEAR

Controller/Pump Setting: cpm4 10/5 SEC 15 PSI

Total Volume Purged: ~8,000

Sample ID: YS-1-2021 11 22 @ 1300

Duplicate ID: X

MS/MSD: Y

AS / DX
1 / 2

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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: YVS-3		**Date:** 11-22-2021	**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	14.39	Total Depth to Well	—
Weather Observations:	33°F, FOG		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1310	14.40	150	1500	—	CONNECT YSI	—	—	—	CLEAR, NO ODORS
1315	14.40	150	2250	16.9	5.02	0.385	289.9	5.5	" "
1320	14.40	150	3000	17.6	5.15	0.366	296.8	3.6	" "
1325	14.40	150	3750	17.5	5.15	0.365	297.0	3.4	" "
1330	14.40	150	4500	17.5	5.15	0.364	297.2	3.4	" "
1335	BYPASS YSI / SAMPLED								

Notes: BEGIN PURGE: 1300 @ 150ML/M FOR 10 MIN

Controller/Pump Setting: CPM 4 10/4 SEC 15 PSI

Total Volume Purged: ~4500

Sample ID: YVS-3-20211122 @ 1335

Duplicate ID: X

MS/MSD: BENZENE (MS/MSD)

BENZ, PCE, DX

6 3 2 = 11

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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: YVS-3-60	**Date:** 11-22-2021	**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: 18.22	Total Depth to Well: —	

Weather Observations: 33°F / FOG

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1350	18.30	150	1500	—	CONNECT		YSI	—	CLEAR, NO ODORS
1355	18.30	150	2250	15.8	6.53	0.369	220.6	17.7	" "
1400	18.30	150	3000	15.7	6.54	0.369	222.0	14.3	" "
1405	18.31	150	3750	15.7	6.54	0.370	222.4	14.2	" "
1410	18.31	150	4500	15.6	6.54	0.370	223.1	14.2	" "
1415	BYPASS YSI / SAMPLE								

Notes: BEGAN PURGE: 1340 @ 150 mL/m FOR 10 MIN

Controller/Pump Setting: CPM 4 10/5 SEC 30 PSI

Total Volume Purged: ~4500

Sample ID: YVS-3-60-2021 1122 @ 1415

Duplicate ID: X

MS/MSD: X

As, PCE, DX
1 / 3 2

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Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: YVS-3-90	**Date:** 11-22-2021	**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: 22.10	Total Depth to Well: —	

Weather Observations: 30°F, FOG

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1435	22.15	150	1500	—	CONNECT	YSI	—	CLEAR, NO ODORS	
1440	22.15	150	2250	15.6	6.95	0.285	147.8	19.8	" "
1445	22.15	150	3000	15.8	7.16	0.282	176.0	17.4	" "
1450	22.15	150	3750	15.8	7.17	0.282	176.2	17.2	" "
1455	22.15	150	4500	15.7	7.17	0.282	176.2	17.2	" "
1500	BYPASS YSI / SAMPLES								

Notes: BEGIN PURGE: 1425 @ 150 mL/m FOR 10 MIN

Controller/Pump Setting: CPM4 10/5 SEC 40 PSI

Total Volume Purged: ~4,500 mL

Sample ID: YVS-3-90-20211122 @ 1500

Duplicate ID: X

MS/MSD: X

As, PCE, VX

1 3 2 : 6

ANCHOR QEA

1201 3rd Avenue, Suite 2600
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131
www.anchorqea.com

Groundwater Collection Form: Water Quality Monitoring – Yakima, WA

Well ID: MW-6	**Date:** 11-22-2021	**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: NA (WELL HEAD BROKEN)	Total Depth to Well: —	
Weather Observations: 30°F, FOGGY		

Time	Depth to Water (feet)	Rate (mL/m)	Cum. Vol (mL)	Temp (°C)	pH	Spec. Cond. (mS/cm)	ORP (mV)	Turbidity (NTU)	Comments
1515	NA*	150	1500	—	CONNECT	YSI	—	—	CLEAR, NO ODORS
1520	NA	150	3750	16.5	6.15	0.770	219.0	3.9	" "
1525	NA	150	3000	16.6	6.17	0.779	220.0	3.7	" "
1530	NA	150	3750	16.6	6.17	0.779	220.8	3.7	" "
1535	NA	150	4500	16.7	6.18	0.778	221.2	3.6	" "
1540	BYPASS YSI / SAMPLING								

Notes: BEGIN PURGE: 1505 @ 150 mL/m FOR 10 MIN

*RAISED WELL HEAD

Controller/Pump Setting: CPM4 10/5 SEC 15 PSI

Total Volume Purged: ~4500

Sample ID: MW-6-20211122@1540

Duplicate ID: X

MS/MSD: X

AF, BCE, DX

1 | 3 2 = 6

EQUIPCO

1-888-234-5678
www.equipcoservices.com

DELIVERY SLIP

Date	Transaction no
03-Nov-21	01-53638-3

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	19-Nov-21	11/22/2021
Reservation no		Close Contract	23-Nov-21	
Contract no	0-0			

Qty	Registration Code	Ret. Qty	Description
1	PRODSSTURB.02		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	WLM100P6.05		Solinst Water Level Meter, 100' P6
1			Solinst Tape Guide

Shipping Notes
Courier at 10 30

EQUIPCO RENTALS

YSI ProDSS RENTAL
CALIBRATION CERTIFICATE

SERVICE TECHNICIAN: JM DATE: 11/19/21

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	051142
2 pH ZERO	pH 7	X	054276
pH SLOPE	pH 4	X	051137
pH SLOPE	pH 10	X	051140
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	046621

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

EQUIPCO SALES & SERVICE

P.O. Box 5606
Concord, CA 94524
Phone 1-888-234-5678
Fax (925) 305-1300

www.equipcoservices.com

PACKING SLIP

DATE	SALE ORDER#
11/3/2021	100010

BILL TO
Anchor QEA 1201 3rd Ave STE 2600 Seattle, WA 98101 ATTN: Accounts Payable EMAIL

SHIP TO
Anchor QEA 1201 3rd Ave STE 2600 Seattle, WA 98101 Attn: Stephen Strehl

P.O. NUMBER	TERMS	SHIP DATE	SHIP VIA	PROJECT	TASK NO.
192024-01.01 T02	Net 30	11/19/2021	*see below		

ITEM I.D.	DESCRIPTION	QUANTITY
POLY-.170x1/4-100	Poly LDPE Tubing, 0.170" ID x 1/4" OD, 100 foot roll	1
QF045	0.45 Micron High Capacity Groundwater Filter, 609 cm2	8
	Deliver with rental from Redmond	
	Sales Tax	

Thank you for your business!

EQUIPCO

1-888-234-5678
www.equipcoservices.com

DELIVERY SLIP

Date	Transaction no
03-Nov-21	01-53638-3

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	19-Nov-21 11/22/2021
Reservation no		Close Contract	23-Nov-21
Contract no	0-0		

Qty	Registration Code	Ret. Qty	Description
MULTIP : MULTIPARAMETER INSTRUMENTS			
1	YSIPRODSS.02	_____	YSI ProDSS
1	PRODSSCBL4.02	_____	YSI ProDSS Cable
1	PRODSSCOND.02	_____	YSI ProDSS Cond/Temp Probe
1	PRODSSODO.02	_____	YSI ProDSS ODO Probe
1	PRODSSPH.02	_____	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

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA
BG-60	BG-60-0313	Mar 2013		**19**	NA	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	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	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	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	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	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	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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA
BG-90	BG-90-0313	Mar 2013		**3.5**	NA	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	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	< 5	< 0.3	< 0.08	< 0.2	< 0.08	< 0.2	**766**	< 250	NA	< 250	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 14, 2021

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

RE: Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Dear Nik Bacher:

Enclosed are the analytical results for sample(s) received by the laboratory on March 18, 2021. 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

This report was revised on April 14, 2021, to report method NWTPH-Dx with silica gel cleanup on Pace samples 10551531001, -002, -003, -004, -006, -007, -008, -009, -010 and -011.

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

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

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 #: 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 Valley Spr-Revised Report
Pace Project No.: 10551531

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
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
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
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10551531001	**BG-90-20210316**	Water	03/16/21 08:30	03/18/21 08:45
10551531002	**BG-60-20210316**	Water	03/16/21 09:20	03/18/21 08:45
10551531003	**BG-601-20210316**	Water	03/16/21 09:25	03/18/21 08:45
10551531004	**YVS-1B-20210316**	Water	03/16/21 10:30	03/18/21 08:45
10551531005	**YVS-2-20210316**	Water	03/16/21 11:40	03/18/21 08:45
10551531006	**MW-12-20210316**	Water	03/16/21 13:25	03/18/21 08:45
10551531007	**YS-1-20210316**	Water	03/16/21 15:00	03/18/21 08:45
10551531008	**YVS-3-20210316**	Water	03/16/21 15:50	03/18/21 08:45
10551531009	**YVS-3-60-20210316**	Water	03/16/21 16:35	03/18/21 08:45
10551531010	**YVS-3-90-20210316**	Water	03/16/21 17:25	03/18/21 08:45
10551531011	**MW-6-20210316**	Water	03/16/21 18:15	03/18/21 08:45
10551531012	**TRIP BLANK-20210316**	Water	03/16/21 08:00	03/18/21 08:45

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

SAMPLE ANALYTE COUNT

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10551531001	**BG-90-20210316**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	PW1	1	PASI-M
		EPA 8260D	BMB	4	PAN
10551531002	**BG-60-20210316**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	PW1	1	PASI-M
		EPA 8260D	BMB	4	PAN
10551531003	**BG-601-20210316**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	PW1	1	PASI-M
		EPA 8260D	BMB	4	PAN
10551531004	**YVS-1B-20210316**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	NS1	2	PASI-M
		EPA 200.8	PW1	1	PASI-M
		EPA 8260D	BMB	4	PAN
10551531005	**YVS-2-20210316**	EPA 8081B	RAG	7	PASI-M
		NWTPH-Gx	NS1	2	PASI-M
		EPA 200.8	PW1	1	PASI-M
		EPA 8260D	BMB	4	PAN
10551531006	**MW-12-20210316**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	PW1	1	PASI-M
		EPA 8260D	ACG	4	PAN
10551531007	**YS-1-20210316**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	PW1	1	PASI-M
10551531008	**YVS-3-20210316**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 8260D	ACG	5	PAN
10551531009	**YVS-3-60-20210316**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	PW1	1	PASI-M
		EPA 8260D	ACG	4	PAN
10551531010	**YVS-3-90-20210316**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
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SAMPLE ANALYTE COUNT

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 200.8	PW1	1	PASI-M
		EPA 8260D	ACG	4	PAN
10551531011	**MW-6-20210316**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	PW1	1	PASI-M
		EPA 8260D	ACG	4	PAN
10551531012	**TRIP BLANK-20210316**	EPA 8260D	ACG	5	PAN

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

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

PROJECT NARRATIVE

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Method: **EPA 8081B**
Description: 8081B GCS Pesticides
Client: Anchor QEA, LLC
Date: April 14, 2021

General Information:
1 sample was 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.

QC Batch: 730372

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

Additional Comments:

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

PROJECT NARRATIVE

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS LV
Client: Anchor QEA, LLC
Date: April 14, 2021

General Information:
10 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.

QC Batch: 730693

R1: RPD value was outside control limits.
- LCSD (Lab ID: 3894082)
  - Diesel Fuel Range
  - Motor Oil Range

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: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS Silica Gel LV
Client: Anchor QEA, LLC
Date: April 14, 2021

General Information:
10 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: 733818

S0: Surrogate recovery outside laboratory control limits.

- BG-60-20210316 (Lab ID: 10551531002)
  - n-Triacontane (S)
  - o-Terphenyl (S)
- BG-90-20210316 (Lab ID: 10551531001)
  - n-Triacontane (S)
  - o-Terphenyl (S)
- LCSD (Lab ID: 3911659)
  - 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.

QC Batch: 733818

R1: RPD value was outside control limits.

- LCSD (Lab ID: 3911659)
  - Motor Oil Range SG

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

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PROJECT NARRATIVE

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS Silica Gel LV
Client: Anchor QEA, LLC
Date: April 14, 2021

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

Additional Comments:

Analyte Comments:

QC Batch: 733818

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

- BG-60-20210316 (Lab ID: 10551531002)
  - Motor Oil Range SG
- BG-601-20210316 (Lab ID: 10551531003)
  - Motor Oil Range SG
- BG-90-20210316 (Lab ID: 10551531001)
  - Motor Oil Range SG
- DUP (Lab ID: 3911660)
  - Motor Oil Range SG
- MW-12-20210316 (Lab ID: 10551531006)
  - Motor Oil Range SG
- MW-6-20210316 (Lab ID: 10551531011)
  - Motor Oil Range SG
- YS-1-20210316 (Lab ID: 10551531007)
  - Motor Oil Range SG
- YVS-1B-20210316 (Lab ID: 10551531004)
  - Motor Oil Range SG
- YVS-3-20210316 (Lab ID: 10551531008)
  - Motor Oil Range SG
- YVS-3-60-20210316 (Lab ID: 10551531009)
  - Motor Oil Range SG
- YVS-3-90-20210316 (Lab ID: 10551531010)
  - Motor Oil Range SG

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PROJECT NARRATIVE

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Method: **NWTPH-Gx**
Description: NWTPH-Gx GCV
Client: Anchor QEA, LLC
Date: April 14, 2021

General Information:
2 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: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Method: **EPA 200.8**
Description: 200.8 MET ICPMS, Dissolved
Client: Anchor QEA, LLC
Date: April 14, 2021

General Information:
10 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: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Method: **EPA 8260D**
Description: VOA (GC/MS) 8260D
Client: Anchor QEA, LLC
Date: April 14, 2021

General Information:
11 samples were analyzed for EPA 8260D 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.

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.

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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Sample: BG-90-20210316 **Lab ID: 10551531001** Collected: 03/16/21 08:30 Received: 03/18/21 08:45 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	0.41	1	03/18/21 16:46	03/19/21 17:33	68334-30-5	
Motor Oil Range	ND	mg/L	0.41	1	03/18/21 16:46	03/19/21 17:33		
Surrogates								
o-Terphenyl (S)	55	%.	50-150	1	03/18/21 16:46	03/19/21 17:33	84-15-1	
n-Triacontane (S)	55	%.	50-150	1	03/18/21 16:46	03/19/21 17:33		
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	0.41	1	03/18/21 16:46	04/14/21 09:59	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.41	1	03/18/21 16:46	04/14/21 09:59	64742-65-0	P2
Surrogates								
o-Terphenyl (S)	48	%.	50-150	1	03/18/21 16:46	04/14/21 09:59	84-15-1	S0
n-Triacontane (S)	48	%.	50-150	1	03/18/21 16:46	04/14/21 09:59		S0
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.97**	ug/L	0.50	1	03/23/21 05:06	03/29/21 21:07	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**4.18**	ug/L	1.00	1	03/25/21 04:39	03/25/21 04:39	127-18-4	
Surrogates								
Toluene-d8 (S)	104	%	80.0-120	1	03/25/21 04:39	03/25/21 04:39	2037-26-5	
4-Bromofluorobenzene (S)	99.2	%	77.0-126	1	03/25/21 04:39	03/25/21 04:39	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70.0-130	1	03/25/21 04:39	03/25/21 04:39	17060-07-0	

Sample: BG-60-20210316 **Lab ID: 10551531002** Collected: 03/16/21 09:20 Received: 03/18/21 08:45 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	0.41	1	03/18/21 16:46	03/22/21 18:04	68334-30-5	
Motor Oil Range	ND	mg/L	0.41	1	03/18/21 16:46	03/22/21 18:04		
Surrogates								
o-Terphenyl (S)	56	%.	50-150	1	03/18/21 16:46	03/22/21 18:04	84-15-1	
n-Triacontane (S)	58	%.	50-150	1	03/18/21 16:46	03/22/21 18:04		
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	0.41	1	03/18/21 16:46	04/14/21 10:21	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.41	1	03/18/21 16:46	04/14/21 10:21	64742-65-0	P2
Surrogates								
o-Terphenyl (S)	46	%.	50-150	1	03/18/21 16:46	04/14/21 10:21	84-15-1	S0
n-Triacontane (S)	48	%.	50-150	1	03/18/21 16:46	04/14/21 10:21		S0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Sample: BG-60-20210316 **Lab ID: 10551531002** Collected: 03/16/21 09:20 Received: 03/18/21 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.56**	ug/L	0.50	1	03/23/21 05:06	03/29/21 21:11	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**14.0**	ug/L	1.00	1	03/25/21 04:59	03/25/21 04:59	127-18-4	
Surrogates								
Toluene-d8 (S)	105	%	80.0-120	1	03/25/21 04:59	03/25/21 04:59	2037-26-5	
4-Bromofluorobenzene (S)	97.8	%	77.0-126	1	03/25/21 04:59	03/25/21 04:59	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70.0-130	1	03/25/21 04:59	03/25/21 04:59	17060-07-0	

Sample: BG-601-20210316 **Lab ID: 10551531003** Collected: 03/16/21 09:25 Received: 03/18/21 08:45 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	0.42	1	03/18/21 16:46	03/19/21 18:08	68334-30-5	
Motor Oil Range	ND	mg/L	0.42	1	03/18/21 16:46	03/19/21 18:08		
Surrogates								
o-Terphenyl (S)	68	%.	50-150	1	03/18/21 16:46	03/19/21 18:08	84-15-1	
n-Triacontane (S)	70	%.	50-150	1	03/18/21 16:46	03/19/21 18:08		
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	0.42	1	03/18/21 16:46	04/14/21 10:33	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.42	1	03/18/21 16:46	04/14/21 10:33	64742-65-0	P2
Surrogates								
o-Terphenyl (S)	63	%.	50-150	1	03/18/21 16:46	04/14/21 10:33	84-15-1	
n-Triacontane (S)	64	%.	50-150	1	03/18/21 16:46	04/14/21 10:33		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.54**	ug/L	0.50	1	03/23/21 05:06	03/29/21 21:23	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**13.6**	ug/L	1.00	1	03/25/21 05:20	03/25/21 05:20	127-18-4	
Surrogates								
Toluene-d8 (S)	103	%	80.0-120	1	03/25/21 05:20	03/25/21 05:20	2037-26-5	
4-Bromofluorobenzene (S)	99.9	%	77.0-126	1	03/25/21 05:20	03/25/21 05:20	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70.0-130	1	03/25/21 05:20	03/25/21 05:20	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Sample: YVS-1B-20210316 **Lab ID: 10551531004** Collected: 03/16/21 10:30 Received: 03/18/21 08:45 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	**0.48**	mg/L	0.42	1	03/18/21 16:46	03/19/21 18:19	68334-30-5	
Motor Oil Range	ND	mg/L	0.42	1	03/18/21 16:46	03/19/21 18:19		
Surrogates								
o-Terphenyl (S)	66	%.	50-150	1	03/18/21 16:46	03/19/21 18:19	84-15-1	
n-Triacontane (S)	64	%.	50-150	1	03/18/21 16:46	03/19/21 18:19		
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	0.42	1	03/18/21 16:46	04/14/21 10:44	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.42	1	03/18/21 16:46	04/14/21 10:44	64742-65-0	P2
Surrogates								
o-Terphenyl (S)	60	%.	50-150	1	03/18/21 16:46	04/14/21 10:44	84-15-1	
n-Triacontane (S)	57	%.	50-150	1	03/18/21 16:46	04/14/21 10:44		
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis							
TPH as Gas	**120**	ug/L	100	1		03/23/21 21:45		G-
Surrogates								
a,a,a-Trifluorotoluene (S)	84	%.	50-150	1		03/23/21 21:45	98-08-8	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.99**	ug/L	0.50	1	03/23/21 05:06	03/29/21 21:27	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	ND	ug/L	1.00	1	03/25/21 05:40	03/25/21 05:40	127-18-4	
Surrogates								
Toluene-d8 (S)	102	%	80.0-120	1	03/25/21 05:40	03/25/21 05:40	2037-26-5	
4-Bromofluorobenzene (S)	102	%	77.0-126	1	03/25/21 05:40	03/25/21 05:40	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70.0-130	1	03/25/21 05:40	03/25/21 05:40	17060-07-0	

Sample: YVS-2-20210316 **Lab ID: 10551531005** Collected: 03/16/21 11:40 Received: 03/18/21 08:45 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							
4,4'-DDT	ND	ug/L	0.097	1	03/19/21 13:50	03/22/21 12:27	50-29-3	
Aldrin	ND	ug/L	0.048	1	03/19/21 13:50	03/22/21 12:27	309-00-2	
Dieldrin	ND	ug/L	0.097	1	03/19/21 13:50	03/22/21 12:27	60-57-1	
beta-BHC	ND	ug/L	0.048	1	03/19/21 13:50	03/22/21 12:27	319-85-7	
gamma-BHC (Lindane)	ND	ug/L	0.048	1	03/19/21 13:50	03/22/21 12:27	58-89-9	
Surrogates								
Tetrachloro-m-xylene (S)	75	%.	34-129	1	03/19/21 13:50	03/22/21 12:27	877-09-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Sample: YVS-2-20210316 **Lab ID: 10551531005** Collected: 03/16/21 11:40 Received: 03/18/21 08:45 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)	69	%.	30-135	1	03/19/21 13:50	03/22/21 12:27	2051-24-3	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis							
TPH as Gas	**2300**	ug/L	200	2		03/24/21 18:59		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	78	%.	50-150	2		03/24/21 18:59	98-08-8	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**2.0**	ug/L	0.50	1	03/23/21 05:06	03/29/21 21:30	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	ND	ug/L	1.00	1	03/25/21 06:01	03/25/21 06:01	127-18-4	
Surrogates								
Toluene-d8 (S)	98.1	%	80.0-120	1	03/25/21 06:01	03/25/21 06:01	2037-26-5	
4-Bromofluorobenzene (S)	103	%	77.0-126	1	03/25/21 06:01	03/25/21 06:01	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70.0-130	1	03/25/21 06:01	03/25/21 06:01	17060-07-0	

Sample: MW-12-20210316 **Lab ID: 10551531006** Collected: 03/16/21 13:25 Received: 03/18/21 08:45 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	0.42	1	03/18/21 16:46	03/19/21 18:31	68334-30-5	
Motor Oil Range	ND	mg/L	0.42	1	03/18/21 16:46	03/19/21 18:31		
Surrogates								
o-Terphenyl (S)	77	%.	50-150	1	03/18/21 16:46	03/19/21 18:31	84-15-1	
n-Triacontane (S)	80	%.	50-150	1	03/18/21 16:46	03/19/21 18:31		
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	0.42	1	03/18/21 16:46	04/14/21 10:55	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.42	1	03/18/21 16:46	04/14/21 10:55	64742-65-0	P2
Surrogates								
o-Terphenyl (S)	68	%.	50-150	1	03/18/21 16:46	04/14/21 10:55	84-15-1	
n-Triacontane (S)	70	%.	50-150	1	03/18/21 16:46	04/14/21 10:55		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**1.0**	ug/L	0.50	1	03/23/21 05:06	03/29/21 21:33	7440-38-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Sample: MW-12-20210316 **Lab ID: 10551531006** Collected: 03/16/21 13:25 Received: 03/18/21 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**4.09**	ug/L	1.00	1	03/26/21 01:52	03/26/21 01:52	127-18-4	
Surrogates								
Toluene-d8 (S)	105	%	80.0-120	1	03/26/21 01:52	03/26/21 01:52	2037-26-5	
4-Bromofluorobenzene (S)	105	%	77.0-126	1	03/26/21 01:52	03/26/21 01:52	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70.0-130	1	03/26/21 01:52	03/26/21 01:52	17060-07-0	

Sample: YS-1-20210316 **Lab ID: 10551531007** Collected: 03/16/21 15:00 Received: 03/18/21 08:45 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	0.41	1	03/18/21 16:46	03/19/21 18:43	68334-30-5	
Motor Oil Range	ND	mg/L	0.41	1	03/18/21 16:46	03/19/21 18:43		
Surrogates								
o-Terphenyl (S)	73	%.	50-150	1	03/18/21 16:46	03/19/21 18:43	84-15-1	
n-Triacontane (S)	75	%.	50-150	1	03/18/21 16:46	03/19/21 18:43		
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	0.41	1	03/18/21 16:46	04/14/21 11:07	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.41	1	03/18/21 16:46	04/14/21 11:07	64742-65-0	P2
Surrogates								
o-Terphenyl (S)	68	%.	50-150	1	03/18/21 16:46	04/14/21 11:07	84-15-1	
n-Triacontane (S)	70	%.	50-150	1	03/18/21 16:46	04/14/21 11:07		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**1.8**	ug/L	0.50	1	03/23/21 05:06	03/29/21 21:36	7440-38-2	

Sample: YVS-3-20210316 **Lab ID: 10551531008** Collected: 03/16/21 15:50 Received: 03/18/21 08:45 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	0.42	1	03/18/21 16:46	03/19/21 18:54	68334-30-5	
Motor Oil Range	ND	mg/L	0.42	1	03/18/21 16:46	03/19/21 18:54		
Surrogates								
o-Terphenyl (S)	78	%.	50-150	1	03/18/21 16:46	03/19/21 18:54	84-15-1	
n-Triacontane (S)	81	%.	50-150	1	03/18/21 16:46	03/19/21 18:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Sample: YVS-3-20210316 **Lab ID: 10551531008** Collected: 03/16/21 15:50 Received: 03/18/21 08:45 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							
Diesel Fuel Range SG	ND	mg/L	0.42	1	03/18/21 16:46	04/14/21 11:18	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.42	1	03/18/21 16:46	04/14/21 11:18	64742-65-0	P2
Surrogates								
o-Terphenyl (S)	71	%.	50-150	1	03/18/21 16:46	04/14/21 11:18	84-15-1	
n-Triacontane (S)	74	%.	50-150	1	03/18/21 16:46	04/14/21 11:18		
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Benzene	ND	ug/L	1.00	1	03/26/21 02:11	03/26/21 02:11	71-43-2	
Tetrachloroethene	**1.14**	ug/L	1.00	1	03/26/21 02:11	03/26/21 02:11	127-18-4	
Surrogates								
Toluene-d8 (S)	105	%	80.0-120	1	03/26/21 02:11	03/26/21 02:11	2037-26-5	
4-Bromofluorobenzene (S)	103	%	77.0-126	1	03/26/21 02:11	03/26/21 02:11	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70.0-130	1	03/26/21 02:11	03/26/21 02:11	17060-07-0	

Sample: YVS-3-60-20210316 **Lab ID: 10551531009** Collected: 03/16/21 16:35 Received: 03/18/21 08:45 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	0.41	1	03/18/21 16:46	03/19/21 19:05	68334-30-5	
Motor Oil Range	ND	mg/L	0.41	1	03/18/21 16:46	03/19/21 19:05		
Surrogates								
o-Terphenyl (S)	70	%.	50-150	1	03/18/21 16:46	03/19/21 19:05	84-15-1	
n-Triacontane (S)	74	%.	50-150	1	03/18/21 16:46	03/19/21 19:05		
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	0.41	1	03/18/21 16:46	04/14/21 11:29	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.41	1	03/18/21 16:46	04/14/21 11:29	64742-65-0	P2
Surrogates								
o-Terphenyl (S)	66	%.	50-150	1	03/18/21 16:46	04/14/21 11:29	84-15-1	
n-Triacontane (S)	70	%.	50-150	1	03/18/21 16:46	04/14/21 11:29		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.61**	ug/L	0.50	1	03/23/21 05:06	03/29/21 21:39	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**9.53**	ug/L	1.00	1	03/26/21 02:30	03/26/21 02:30	127-18-4	
Surrogates								
Toluene-d8 (S)	104	%	80.0-120	1	03/26/21 02:30	03/26/21 02:30	2037-26-5	
4-Bromofluorobenzene (S)	104	%	77.0-126	1	03/26/21 02:30	03/26/21 02:30	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Sample: YVS-3-60-20210316 **Lab ID: 10551531009** Collected: 03/16/21 16:35 Received: 03/18/21 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	70.0-130	1	03/26/21 02:30	03/26/21 02:30	17060-07-0	

Sample: YVS-3-90-20210316 **Lab ID: 10551531010** Collected: 03/16/21 17:25 Received: 03/18/21 08:45 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	0.42	1	03/18/21 16:46	03/19/21 19:17	68334-30-5	
Motor Oil Range	ND	mg/L	0.42	1	03/18/21 16:46	03/19/21 19:17		
Surrogates								
o-Terphenyl (S)	63	%.	50-150	1	03/18/21 16:46	03/19/21 19:17	84-15-1	
n-Triacontane (S)	67	%.	50-150	1	03/18/21 16:46	03/19/21 19:17		
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	0.42	1	03/18/21 16:46	04/14/21 11:41	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.42	1	03/18/21 16:46	04/14/21 11:41	64742-65-0	P2
Surrogates								
o-Terphenyl (S)	58	%.	50-150	1	03/18/21 16:46	04/14/21 11:41	84-15-1	
n-Triacontane (S)	61	%.	50-150	1	03/18/21 16:46	04/14/21 11:41		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.84**	ug/L	0.50	1	03/23/21 05:06	03/29/21 21:42	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**1.20**	ug/L	1.00	1	03/26/21 02:49	03/26/21 02:49	127-18-4	
Surrogates								
Toluene-d8 (S)	105	%	80.0-120	1	03/26/21 02:49	03/26/21 02:49	2037-26-5	
4-Bromofluorobenzene (S)	105	%	77.0-126	1	03/26/21 02:49	03/26/21 02:49	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70.0-130	1	03/26/21 02:49	03/26/21 02:49	17060-07-0	

Sample: MW-6-20210316 **Lab ID: 10551531011** Collected: 03/16/21 18:15 Received: 03/18/21 08:45 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	0.42	1	03/18/21 16:46	03/19/21 19:29	68334-30-5	
Motor Oil Range	ND	mg/L	0.42	1	03/18/21 16:46	03/19/21 19:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Sample: MW-6-20210316 **Lab ID: 10551531011** Collected: 03/16/21 18:15 Received: 03/18/21 08:45 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							
Surrogates								
o-Terphenyl (S)	69	%.	50-150	1	03/18/21 16:46	03/19/21 19:29	84-15-1	
n-Triacontane (S)	66	%.	50-150	1	03/18/21 16:46	03/19/21 19:29		
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	0.42	1	03/18/21 16:46	04/14/21 11:52	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.42	1	03/18/21 16:46	04/14/21 11:52	64742-65-0	P2
Surrogates								
o-Terphenyl (S)	63	%.	50-150	1	03/18/21 16:46	04/14/21 11:52	84-15-1	
n-Triacontane (S)	61	%.	50-150	1	03/18/21 16:46	04/14/21 11:52		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	ND	ug/L	0.50	1	03/23/21 05:06	03/29/21 21:46	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**1.04**	ug/L	1.00	1	03/26/21 03:09	03/26/21 03:09	127-18-4	
Surrogates								
Toluene-d8 (S)	106	%	80.0-120	1	03/26/21 03:09	03/26/21 03:09	2037-26-5	
4-Bromofluorobenzene (S)	104	%	77.0-126	1	03/26/21 03:09	03/26/21 03:09	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70.0-130	1	03/26/21 03:09	03/26/21 03:09	17060-07-0	

Sample: TRIP BLANK-20210316 **Lab ID: 10551531012** Collected: 03/16/21 08:00 Received: 03/18/21 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Benzene	ND	ug/L	1.00	1	03/26/21 00:55	03/26/21 00:55	71-43-2	
Tetrachloroethene	ND	ug/L	1.00	1	03/26/21 00:55	03/26/21 00:55	127-18-4	
Surrogates								
Toluene-d8 (S)	105	%	80.0-120	1	03/26/21 00:55	03/26/21 00:55	2037-26-5	
4-Bromofluorobenzene (S)	104	%	77.0-126	1	03/26/21 00:55	03/26/21 00:55	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70.0-130	1	03/26/21 00:55	03/26/21 00:55	17060-07-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

QC Batch: 730659
QC Batch Method: NWTPH-Gx
Analysis Method: NWTPH-Gx
Analysis Description: NWTPH-Gx Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10551531004

METHOD BLANK: 3893952 Matrix: Water
Associated Lab Samples: 10551531004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	03/23/21 13:52	
a,a,a-Trifluorotoluene (S)	%.	91	50-150	03/23/21 13:52	

METHOD BLANK: 3893953 Matrix: Water
Associated Lab Samples: 10551531004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	03/23/21 18:18	
a,a,a-Trifluorotoluene (S)	%.	77	50-150	03/23/21 18:18	

METHOD BLANK: 3894023 Matrix: Water
Associated Lab Samples: 10551531004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	03/23/21 21:28	
a,a,a-Trifluorotoluene (S)	%.	74	50-150	03/23/21 21:28	

LABORATORY CONTROL SAMPLE & LCSD: 3893954 3893955

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	910	846	91	85	75-127	7	20	
a,a,a-Trifluorotoluene (S)	%.				87	85	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3894317 3894318

Parameter	Units	10552041001 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	<1070	25000	25000	20000	20800	80	83	71-139	4	30	
a,a,a-Trifluorotoluene (S)	%.						88	92	50-150			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

SAMPLE DUPLICATE: 3894315

Parameter	Units	10550707002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	12000	12400	3	30	G-
a,a,a-Trifluorotoluene (S)	%.	80	76			

SAMPLE DUPLICATE: 3894316

Parameter	Units	10551683001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<42.8	ND		30	
a,a,a-Trifluorotoluene (S)	%.	86	72			

SAMPLE DUPLICATE: 3894319

Parameter	Units	10552043001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	9850	10500	6	30	G-
a,a,a-Trifluorotoluene (S)	%.	74	73			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

QC Batch: 731056
QC Batch Method: NWTPH-Gx
Analysis Method: NWTPH-Gx
Analysis Description: NWTPH-Gx Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10551531005

METHOD BLANK: 3895854 Matrix: Water
Associated Lab Samples: 10551531005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	03/24/21 16:41	
a,a,a-Trifluorotoluene (S)	%.	90	50-150	03/24/21 16:41	

METHOD BLANK: 3895855 Matrix: Water
Associated Lab Samples: 10551531005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	03/24/21 20:29	
a,a,a-Trifluorotoluene (S)	%.	81	50-150	03/24/21 20:29	

METHOD BLANK: 3896375 Matrix: Water
Associated Lab Samples: 10551531005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	03/24/21 23:04	
a,a,a-Trifluorotoluene (S)	%.	70	50-150	03/24/21 23:04	

LABORATORY CONTROL SAMPLE & LCSD: 3895856 3895857

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1050	1030	105	103	75-127	2	20	
a,a,a-Trifluorotoluene (S)	%.				102	94	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3896380 3896381

Parameter	Units	10551683009 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	9640	10000	10000	18900	18100	93	84	71-139	5	30	G-
a,a,a-Trifluorotoluene (S)	%.						90	87	50-150			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

SAMPLE DUPLICATE: 3896378

Parameter	Units	10550707001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	79500	82500	4	30	G+,G-
a,a,a-Trifluorotoluene (S)	%.	74	76			

SAMPLE DUPLICATE: 3896379

Parameter	Units	10551683002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	12100	11900	1	30	G+,G-
a,a,a-Trifluorotoluene (S)	%.	80	72			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

QC Batch: 730312
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: 10551531001, 10551531002, 10551531003, 10551531004, 10551531005, 10551531006, 10551531007, 10551531009, 10551531010, 10551531011

METHOD BLANK: 3892275 Matrix: Water
Associated Lab Samples: 10551531001, 10551531002, 10551531003, 10551531004, 10551531005, 10551531006, 10551531007, 10551531009, 10551531010, 10551531011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	0.50	03/29/21 19:37	

LABORATORY CONTROL SAMPLE: 3892276

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	100	94.6	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3892277 3892278

Parameter	Units	10551528001 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	1.3	100	100	97.2	97.0	96	96	70-130	0	20	

MATRIX SPIKE SAMPLE: 3892279

Parameter	Units	10551531002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	0.56	100	95.6	95	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

QC Batch: 1640106 | Analysis Method: EPA 8260D
QC Batch Method: 8260D | Analysis Description: VOA (GC/MS) 8260D
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10551531001, 10551531002, 10551531003, 10551531004, 10551531005

METHOD BLANK: R3635150-3 Matrix: Water
Associated Lab Samples: 10551531001, 10551531002, 10551531003, 10551531004, 10551531005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.00	03/24/21 23:14	
Toluene-d8 (S)	%	104	80.0-120	03/24/21 23:14	
4-Bromofluorobenzene (S)	%	100	77.0-126	03/24/21 23:14	
1,2-Dichloroethane-d4 (S)	%	110	70.0-130	03/24/21 23:14	

LABORATORY CONTROL SAMPLE & LCSD: R3635150-1 R3635150-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Tetrachloroethene	ug/L	5.00	4.97	5.11	99.4	102	72.0-132	2.78	20	
Toluene-d8 (S)	%				101	100	80.0-120			
4-Bromofluorobenzene (S)	%				104	103	77.0-126			
1,2-Dichloroethane-d4 (S)	%				113	113	70.0-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

QC Batch: 1640800
QC Batch Method: 8260D
Analysis Method: EPA 8260D
Analysis Description: VOA (GC/MS) 8260D
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10551531006, 10551531008, 10551531009, 10551531010, 10551531011, 10551531012

METHOD BLANK: R3635245-3 Matrix: Water
Associated Lab Samples: 10551531006, 10551531008, 10551531009, 10551531010, 10551531011, 10551531012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.00	03/25/21 20:05	
Tetrachloroethene	ug/L	ND	1.00	03/25/21 20:05	
Toluene-d8 (S)	%	105	80.0-120	03/25/21 20:05	
4-Bromofluorobenzene (S)	%	104	77.0-126	03/25/21 20:05	
1,2-Dichloroethane-d4 (S)	%	104	70.0-130	03/25/21 20:05	

LABORATORY CONTROL SAMPLE & LCSD: R3635245-1 R3635245-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	5.00	4.94	4.98	98.8	99.6	70.0-123	0.806	20	
Tetrachloroethene	ug/L	5.00	5.18	4.95	104	99.0	72.0-132	4.54	20	
Toluene-d8 (S)	%				105	103	80.0-120			
4-Bromofluorobenzene (S)	%				104	103	77.0-126			
1,2-Dichloroethane-d4 (S)	%				105	107	70.0-130			

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 Valley Spr-Revised Report
Pace Project No.: 10551531

QC Batch: 730372
QC Batch Method: EPA Mod. 3510C
Analysis Method: EPA 8081B
Analysis Description: 8081B GCS Pesticides
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10551531005

METHOD BLANK: 3892481 Matrix: Water
Associated Lab Samples: 10551531005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDT	ug/L	ND	0.10	03/22/21 11:34	
Aldrin	ug/L	ND	0.050	03/22/21 11:34	
beta-BHC	ug/L	ND	0.050	03/22/21 11:34	
Dieldrin	ug/L	ND	0.10	03/22/21 11:34	
gamma-BHC (Lindane)	ug/L	ND	0.050	03/22/21 11:34	
Decachlorobiphenyl (S)	%.	86	30-135	03/22/21 11:34	
Tetrachloro-m-xylene (S)	%.	78	34-129	03/22/21 11:34	

LABORATORY CONTROL SAMPLE & LCSD: 3892482 3892485

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
4,4'-DDT	ug/L	1	0.98	1.0	98	101	64-133	3	20	
Aldrin	ug/L	0.5	0.43	0.44	86	87	36-132	1	20	
beta-BHC	ug/L	0.5	0.46	0.47	93	93	63-125	0	20	
Dieldrin	ug/L	1	0.92	0.93	92	93	63-129	2	20	
gamma-BHC (Lindane)	ug/L	0.5	0.47	0.47	94	95	62-126	1	20	
Decachlorobiphenyl (S)	%.				86	93	30-135			
Tetrachloro-m-xylene (S)	%.				81	85	34-129			

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 Valley Spr-Revised Report
Pace Project No.: 10551531

QC Batch: 730693
QC Batch Method: EPA Mod. 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10551531001, 10551531002, 10551531003, 10551531004, 10551531006, 10551531007, 10551531008, 10551531009, 10551531010, 10551531011

METHOD BLANK: 3894080 Matrix: Water
Associated Lab Samples: 10551531001, 10551531002, 10551531003, 10551531004, 10551531006, 10551531007, 10551531008, 10551531009, 10551531010, 10551531011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	ND	0.40	03/19/21 16:47	
Motor Oil Range	mg/L	ND	0.40	03/19/21 16:47	
n-Triacontane (S)	%.	69	50-150	03/19/21 16:47	
o-Terphenyl (S)	%.	68	50-150	03/19/21 16:47	

LABORATORY CONTROL SAMPLE & LCSD: 3894081 3894082

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	2	1.4	1.1	70	55	50-150	24	20	R1
Motor Oil Range	mg/L	2	1.6	1.2	78	58	50-150	29	20	R1
n-Triacontane (S)	%.				68	51	50-150			
o-Terphenyl (S)	%.				75	56	50-150			

SAMPLE DUPLICATE: 3894083

Parameter	Units	10551531001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	ND	ND		30	
Motor Oil Range	mg/L	ND	ND		30	
n-Triacontane (S)	%.	55	72			
o-Terphenyl (S)	%.	55	67			

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 Valley Spr-Revised Report
Pace Project No.: 10551531

QC Batch: 733818
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: 10551531001, 10551531002, 10551531003, 10551531004, 10551531006, 10551531007, 10551531008, 10551531009, 10551531010, 10551531011

METHOD BLANK: 3911657 Matrix: Water
Associated Lab Samples: 10551531001, 10551531002, 10551531003, 10551531004, 10551531006, 10551531007, 10551531008, 10551531009, 10551531010, 10551531011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	04/14/21 09:25	
Motor Oil Range SG	mg/L	ND	0.40	04/14/21 09:25	
n-Triacontane (S)	%.	60	50-150	04/14/21 09:25	
o-Terphenyl (S)	%.	58	50-150	04/14/21 09:25	

LABORATORY CONTROL SAMPLE & LCSD: 3911658 3911659

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	mg/L	2	1.3	1.1	65	55	50-150	16	20	
Motor Oil Range SG	mg/L	2	1.5	1.2	75	61	50-150	21	20	R1
n-Triacontane (S)	%.				60	49	50-150			S0
o-Terphenyl (S)	%.				65	52	50-150			

SAMPLE DUPLICATE: 3911660

Parameter	Units	10551531001 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	mg/L	ND	ND		30	
Motor Oil Range SG	mg/L	ND	ND		30	P2
n-Triacontane (S)	%.	48	67			
o-Terphenyl (S)	%.	48	62			

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 Valley Spr-Revised Report
Pace Project No.: 10551531

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.

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 730598

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

ANALYTE QUALIFIERS

G+	Late peaks present outside the GRO window.
G-	Early peaks present outside the GRO window.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10551531

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10551531005	**YVS-2-20210316**	EPA Mod. 3510C	730372	EPA 8081B	730598
10551531001	**BG-90-20210316**	EPA Mod. 3510C	730693	NWTPH-Dx	730706
10551531002	**BG-60-20210316**	EPA Mod. 3510C	730693	NWTPH-Dx	730706
10551531003	**BG-601-20210316**	EPA Mod. 3510C	730693	NWTPH-Dx	730706
10551531004	**YVS-1B-20210316**	EPA Mod. 3510C	730693	NWTPH-Dx	730706
10551531006	**MW-12-20210316**	EPA Mod. 3510C	730693	NWTPH-Dx	730706
10551531007	**YS-1-20210316**	EPA Mod. 3510C	730693	NWTPH-Dx	730706
10551531008	**YVS-3-20210316**	EPA Mod. 3510C	730693	NWTPH-Dx	730706
10551531009	**YVS-3-60-20210316**	EPA Mod. 3510C	730693	NWTPH-Dx	730706
10551531010	**YVS-3-90-20210316**	EPA Mod. 3510C	730693	NWTPH-Dx	730706
10551531011	**MW-6-20210316**	EPA Mod. 3510C	730693	NWTPH-Dx	730706
10551531001	**BG-90-20210316**	EPA Mod. 3510C	733818	NWTPH-Dx	734731
10551531002	**BG-60-20210316**	EPA Mod. 3510C	733818	NWTPH-Dx	734731
10551531003	**BG-601-20210316**	EPA Mod. 3510C	733818	NWTPH-Dx	734731
10551531004	**YVS-1B-20210316**	EPA Mod. 3510C	733818	NWTPH-Dx	734731
10551531006	**MW-12-20210316**	EPA Mod. 3510C	733818	NWTPH-Dx	734731
10551531007	**YS-1-20210316**	EPA Mod. 3510C	733818	NWTPH-Dx	734731
10551531008	**YVS-3-20210316**	EPA Mod. 3510C	733818	NWTPH-Dx	734731
10551531009	**YVS-3-60-20210316**	EPA Mod. 3510C	733818	NWTPH-Dx	734731
10551531010	**YVS-3-90-20210316**	EPA Mod. 3510C	733818	NWTPH-Dx	734731
10551531011	**MW-6-20210316**	EPA Mod. 3510C	733818	NWTPH-Dx	734731
10551531004	**YVS-1B-20210316**	NWTPH-Gx	730659		
10551531005	**YVS-2-20210316**	NWTPH-Gx	731056		
10551531001	**BG-90-20210316**	EPA 200.8	730312	EPA 200.8	730908
10551531002	**BG-60-20210316**	EPA 200.8	730312	EPA 200.8	730908
10551531003	**BG-601-20210316**	EPA 200.8	730312	EPA 200.8	730908
10551531004	**YVS-1B-20210316**	EPA 200.8	730312	EPA 200.8	730908
10551531005	**YVS-2-20210316**	EPA 200.8	730312	EPA 200.8	730908
10551531006	**MW-12-20210316**	EPA 200.8	730312	EPA 200.8	730908
10551531007	**YS-1-20210316**	EPA 200.8	730312	EPA 200.8	730908
10551531009	**YVS-3-60-20210316**	EPA 200.8	730312	EPA 200.8	730908
10551531010	**YVS-3-90-20210316**	EPA 200.8	730312	EPA 200.8	730908
10551531011	**MW-6-20210316**	EPA 200.8	730312	EPA 200.8	730908
10551531001	**BG-90-20210316**	8260D	1640106	EPA 8260D	1640106
10551531002	**BG-60-20210316**	8260D	1640106	EPA 8260D	1640106
10551531003	**BG-601-20210316**	8260D	1640106	EPA 8260D	1640106
10551531004	**YVS-1B-20210316**	8260D	1640106	EPA 8260D	1640106
10551531005	**YVS-2-20210316**	8260D	1640106	EPA 8260D	1640106
10551531006	**MW-12-20210316**	8260D	1640800	EPA 8260D	1640800
10551531008	**YVS-3-20210316**	8260D	1640800	EPA 8260D	1640800
10551531009	**YVS-3-60-20210316**	8260D	1640800	EPA 8260D	1640800
10551531010	**YVS-3-90-20210316**	8260D	1640800	EPA 8260D	1640800
10551531011	**MW-6-20210316**	8260D	1640800	EPA 8260D	1640800
10551531012	**TRIP BLANK-20210316**	8260D	1640800	EPA 8260D	1640800

REPORT OF LABORATORY ANALYSIS

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:		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.	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

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	Requested Analysis Filtered (Y/N): 8260 Benzene	8260 PCE	NWTPHGx	200.8 Dissolved Arsenic (Field Filtered)	NWTPHDx	8081 Pesticides*	Residual Chlorine (Y/N)	
1	BG-90-20210316	WT	G	3-16-21	830				6			X	X							X		X	X			CC1
2	BG-60-20210316				0920				6			X	X							X		X	X			CC2
3	BG-601-20210316				0925				6			X	X							X			X	X		CC3
4	YVS-1B-20210316				1030				9			X	X							X	X	X	X			CC4
5	YVS-2-20210316				1140				14	X		X	X							X	X	X		X	MS/MSD	CC5
6	MW-12-20210316				1325				6			X	X							X		X	X			CC6
7	YS-1-20210316				1500				3			X	X										X	X		CC7
8	YVS-3-20210316				1550				8			X	X							X	X			X		CC8
9	YVS-3-60-20210316				1635				6			X	X								X		X	X		CC9
10	YVS-3-90-20210316	↓	↓	↓	1725				10			X	X								X		X	X		CC10
11	MW-6-20210316	WT	G	3-16-21	1815				6			X	X								X		X	X		CC11
12	~~TRIP BLANK-20210316~~	WT	G	3-16-21	0800				6				X							X	X					CC12

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)
*8081: 4,4-DDT, Aldrin, Dieldrin, beta-BHC, gamma-BHC (Lindane)	STEPHEN STREIN / AQ	3-17-21	1400	Mill K Pace	3/18/21	545	0.7, 5.5, 1.4	Y	Y	Y
INCLUDE TRIP BLANK										

(ACCIDENTAL CROSS THROUGH)

WO# : 10551531

10551531

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: STEPHEN STREIN

SIGNATURE of SAMPLER: Stephen Strein

DATE Signed: 3-17-21

Pace Analytical®	Document Name: Sample Condition Upon Receipt (SCUR) - MN	Document Revised: 12Aug2020 Page 1 of 1
	Document No.: ENV-FRM-MIN4-0150 Rev.01	Pace Analytical Services - Minneapolis

Sample Condition Upon Receipt

Client Name: Anchor QEA, LLC. **Project #:** WO#: 10551531

PM: JMG Due Date: 04/01/21
CLIENT: ANCHOR QEA

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Pace [ ] SpeeDee [ ] Commercial

Tracking Number: 1456 7?. 461892, etc. See Exceptions [X] ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? [X] Yes [ ] No **Seals Intact?** [X] Yes [ ] No **Biological Tissue Frozen?** [ ] Yes [ ] No [X] N/A

Packing Material: [X] Bubble Wrap [X] Bubble Bags [ ] None [ ] Other:_____ **Temp Blank?** [X] Yes [ ] No

Thermometer: [ ] T1(0461) [ ] T2(1336) [X] T3(0459) [ ] T4(0254) [ ] T5(0489) **Type of Ice:** [X] Wet [ ] Blue [ ] None [ ] Dry [ ] Melted

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

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** 0.7, 5.5, 1.4 °C

Correction Factor: TNE **Cooler Temp Corrected w/temp blank:** 0.7, 5.5, 1.4 °C

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

USDA Regulated Soil: [X] N/A, water sample/Other:_____) **Date/Initials of Person Examining Contents:** MK2 3.18.21

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 (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	[X] Yes	[ ] No		1.
Chain of Custody Relinquished?	[X] Yes	[ ] No		2.
Sampler Name and/or Signature on COC?	[X] Yes	[ ] No	[ ] N/A	3.
Samples Arrived within Hold Time?	[X] Yes	[ ] No		4.
Short Hold Time Analysis (<72 hr)?	[ ] Yes	[X] No		5. [ ] Fecal Coliform [ ] HPC [ ] Total Coliform/E coli [ ] BOD/cBOD [ ] Hex Chrome [ ] Turbidity [ ] Nitrate [ ] Nitrite [ ] Orthophos [ ] Other_____
Rush Turn Around Time Requested?	[ ] Yes	[X] No		6.
Sufficient Volume?	[X] Yes	[ ] No		7.
Correct Containers Used?	[X] Yes	[ ] No		8.
-Pace Containers Used?	[X] Yes	[ ] No		MK2 3.18.21
Containers Intact?	[X] Yes	[ ] No		9.
Field Filtered Volume Received for Dissolved Tests?	[X] Yes	[ ] No	[X] N/A	10. Is sediment visible in the dissolved container? [ ] Yes [X] No
Is sufficient information available to reconcile the samples to the COC?	[X] Yes	[ ] No		11. **If no, write ID/ Date/Time on Container Below:** See Exception [ ] ENV-FRM-MIN4-0142
Matrix: [X] Water [ ] Soil [ ] Oil [ ] Other_____				
All containers needing acid/base preservation have been checked?	[X] 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)	[X] Yes	[ ] No	[ ] N/A	[ ] NaOH [X] HNO_3 [ ] H_2SO_4 [ ] Zinc Acetate 1-8, 9-2, 10,
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	[X] Yes	[ ] No	[ ] N/A	Positive for Res. Chlorine? [ ] Yes [ ] No pH Paper Lot# See Exception [ ] ENV-FRM-MIN4-0142
				Res. Chlorine: 0-6 Roll 221419; 0-6 Strip; 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	[ ] Yes	[ ] No	[X] N/A	13. See Exception [ ] ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	[ ] Yes	[X] No	[ ] N/A	
Trip Blank Present?	[X] Yes	[ ] No	[ ] N/A	14. 6 Water trip blanks
Trip Blank Custody Seals Present?	[X] Yes	[ ] No	[ ] N/A	Pace Trip Blank Lot # (if purchased): 29 5176 (6)

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** [ ] Yes [ ] No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: JENNI GROSS **Date:** 03/22/21

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: IJ/MK2 (2)

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	
1456 2246 1929	0.7
1456 2246 1892	5.5
1456 2246 1918	1.4

Issue Type: Sample ID	Container Type	# of Containers

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:

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [X] Yes ☐ No

Workorder: 10551531 **Workorder Name:** 192024-01.01 Yakima Valley Spr
Owner Received Date: 3/18/2021 **Results Requested By:** 4/1/2021

Report To	Subcontract To
Jennifer Gross Pace Analytical Minnesota 1700 Elm Street Suite 200 Minneapolis, MN 55414 Phone (612)607-1700	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCl VG9H						Requested Analysis: 8260 PCE & Benzene	8260 PCE											LAB USE ONLY
1	BG-90-20210316	PS	3/16/2021 08:30	10551531001	Water	3							X											-01
2	BG-60-20210316	PS	3/16/2021 09:20	10551531002	Water	3							X											-02
3	BG-601-20210316	PS	3/16/2021 09:25	10551531003	Water	3							X											-03
4	YVS-1B-20210316	PS	3/16/2021 10:30	10551531004	Water	3							X											-04
5	YVS-2-20210316	PS	3/16/2021 11:40	10551531005	Water	3							X											-05
6	MW-12-20210316	PS	3/16/2021 13:25	10551531006	Water	3							X											-06
7	YVS-3-20210316	PS	3/16/2021 15:50	10551531008	Water	3						X												-07
8	YVS-3-60-20210316	PS	3/16/2021 16:35	10551531009	Water	3							X											-08
9	YVS-3-90-20210316	PS	3/16/2021 17:25	10551531010	Water	3							X											-09
10	MW-6-20210316	PS	3/16/2021 18:15	10551531011	Water	3							X											-10
11	TRIP BLANK-20210316	PS	3/16/2021 08:00	10551531012	Water	3						X												-11

L1329784

Transfers	Released By	Date/Time	Received By	Date/Time
1	TK Pace	3/22/21 1700	Ellen Eide	3/23/21 9am
2				
3				

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		
RAD Screen <0.5 mR/hr:	Y N		

Cooler Temperature on Receipt 4.1 °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. FED-EX: 9371 9292 2336

NPAB
3.9+2=4.1

Quarter 2

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

July 28, 2021

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

RE: Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Dear Nik Bacher:

Enclosed are the analytical results for sample(s) received by the laboratory on June 18, 2021. 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

This report was revised on July 28, 2021, to report method NWTPH-Dx SGC on Pace samples 10566081002 through -007 and -009 through -013.

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 Valley Spr-Revised Report
Pace Project No.: 10566081

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 #: 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: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10566081001	**TB-20210615**	Water	06/15/21 08:00	06/18/21 08:50
10566081002	**BG-60-20210615**	Water	06/15/21 07:55	06/18/21 08:50
10566081003	**BG-601-20210615**	Water	06/15/21 08:00	06/18/21 08:50
10566081004	**BG-90-20210615**	Water	06/15/21 08:50	06/18/21 08:50
10566081005	**MW-12-20210615**	Water	06/15/21 09:50	06/18/21 08:50
10566081006	**YVS-1B-20210615**	Water	06/15/21 11:10	06/18/21 08:50
10566081007	**YVS-2-20210615**	Water	06/15/21 12:20	06/18/21 08:50
10566081008	**YVS-201-20210615**	Water	06/15/21 12:25	06/18/21 08:50
10566081009	**YS-1-20210615**	Water	06/15/21 14:15	06/18/21 08:50
10566081010	**YVS-3-20210615**	Water	06/15/21 15:00	06/18/21 08:50
10566081011	**YVS-3-60-20210615**	Water	06/15/21 15:35	06/18/21 08:50
10566081012	**YVS-3-90-20210615**	Water	06/15/21 16:15	06/18/21 08:50
10566081013	**MW-6-20210615**	Water	06/15/21 17:00	06/18/21 08:50

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

SAMPLE ANALYTE COUNT

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10566081001	**TB-20210615**	EPA 8260D	NMB	5	PASI-M
10566081002	**BG-60-20210615**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	BWB	1	PASI-M
		EPA 8260D	NMB	4	PASI-M
10566081003	**BG-601-20210615**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	BWB	1	PASI-M
		EPA 8260D	NMB	4	PASI-M
10566081004	**BG-90-20210615**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	BWB	1	PASI-M
		EPA 8260D	NMB	4	PASI-M
10566081005	**MW-12-20210615**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	BWB	1	PASI-M
		EPA 8260D	NMB	4	PASI-M
10566081006	**YVS-1B-20210615**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	TKL	2	PASI-M
		EPA 200.8	BWB	1	PASI-M
		EPA 8260D	NMB	4	PASI-M
10566081007	**YVS-2-20210615**	EPA 8081B	RAG	7	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	TKL	2	PASI-M
		EPA 200.8	BWB	1	PASI-M
		EPA 8260D	NMB	4	PASI-M
10566081008	**YVS-201-20210615**	NWTPH-Gx	TKL	2	PASI-M
10566081009	**YS-1-20210615**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	BWB	1	PASI-M
10566081010	**YVS-3-20210615**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 8260D	NMB	5	PASI-M
10566081011	**YVS-3-60-20210615**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 200.8	BWB	1	PASI-M
		EPA 8260D	NMB	4	PASI-M
10566081012	**YVS-3-90-20210615**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	BWB	1	PASI-M
		EPA 8260D	NMB	4	PASI-M
10566081013	**MW-6-20210615**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Dx	JVM	4	PASI-M
		EPA 200.8	BWB	1	PASI-M
		EPA 8260D	NMB	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: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Method: **EPA 8081B**
Description: 8081B GCS Pesticides
Client: Anchor QEA, LLC
Date: July 28, 2021

General Information:
1 sample was 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.

QC Batch: 750763

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

Additional Comments:

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

PROJECT NARRATIVE

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS LV
Client: Anchor QEA, LLC
Date: July 28, 2021

General Information:
11 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.

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: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS Silica Gel LV
Client: Anchor QEA, LLC
Date: July 28, 2021

General Information:
11 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: 757918

S0: Surrogate recovery outside laboratory control limits.

- YVS-2-20210615 (Lab ID: 10566081007)
  - n-Triacontane (S)
  - o-Terphenyl (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.

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: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS Silica Gel LV
Client: Anchor QEA, LLC
Date: July 28, 2021

Analyte Comments:

QC Batch: 757918

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

- YVS-2-20210615 (Lab ID: 10566081007)
  - Motor Oil Range SG

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

PROJECT NARRATIVE

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Method: **NWTPH-Gx**
Description: NWTPH-Gx GCV
Client: Anchor QEA, LLC
Date: July 28, 2021

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.

QC Batch: 752625

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
- DUP (Lab ID: 4022759)
  - TPH as Gas

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:

Analyte Comments:

QC Batch: 752625

C0: Result confirmed by second analysis.
- DUP (Lab ID: 4022759)
  - TPH as Gas

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Method: **EPA 200.8**
Description: 200.8 MET ICPMS, Dissolved
Client: Anchor QEA, LLC
Date: July 28, 2021

General Information:
10 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:

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

PROJECT NARRATIVE

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Method: **EPA 8260D**
Description: 8260D VOC
Client: Anchor QEA, LLC
Date: July 28, 2021

General Information:
11 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: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Sample: TB-20210615 **Lab ID: 10566081001** Collected: 06/15/21 08:00 Received: 06/18/21 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		06/29/21 02:15	71-43-2	
Tetrachloroethene	ND	ug/L	1.0	1		06/29/21 02:15	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	106	%.	70-130	1		06/29/21 02:15	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		06/29/21 02:15	460-00-4	
Toluene-d8 (S)	105	%.	75-125	1		06/29/21 02:15	2037-26-5	

Sample: BG-60-20210615 **Lab ID: 10566081002** Collected: 06/15/21 07:55 Received: 06/18/21 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	06/21/21 17:54	06/29/21 17:37	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	06/21/21 17:54	06/29/21 17:37		
Surrogates								
o-Terphenyl (S)	68	%.	50-150	1	06/21/21 17:54	06/29/21 17:37	84-15-1	
n-Triacontane (S)	72	%.	50-150	1	06/21/21 17:54	06/29/21 17:37		
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	06/21/21 17:54	07/25/21 13:46	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	06/21/21 17:54	07/25/21 13:46	64742-65-0	
Surrogates								
o-Terphenyl (S)	61	%.	50-150	1	06/21/21 17:54	07/25/21 13:46	84-15-1	
n-Triacontane (S)	68	%.	50-150	1	06/21/21 17:54	07/25/21 13:46		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.65**	ug/L	0.50	1	06/25/21 06:29	06/29/21 02:03	7440-38-2	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Tetrachloroethene	**11.8**	ug/L	1.0	1		06/29/21 05:08	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	106	%.	70-130	1		06/29/21 05:08	2199-69-1	
4-Bromofluorobenzene (S)	101	%.	75-125	1		06/29/21 05:08	460-00-4	
Toluene-d8 (S)	111	%.	75-125	1		06/29/21 05:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Sample: BG-601-20210615 **Lab ID: 10566081003** Collected: 06/15/21 08:00 Received: 06/18/21 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	0.39	1	06/21/21 17:54	06/29/21 17:58	68334-30-5	
Motor Oil Range	ND	mg/L	0.39	1	06/21/21 17:54	06/29/21 17:58		
Surrogates								
o-Terphenyl (S)	74	%.	50-150	1	06/21/21 17:54	06/29/21 17:58	84-15-1	
n-Triacontane (S)	78	%.	50-150	1	06/21/21 17:54	06/29/21 17:58		
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	0.39	1	06/21/21 17:54	07/25/21 14:09	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	06/21/21 17:54	07/25/21 14:09	64742-65-0	
Surrogates								
o-Terphenyl (S)	64	%.	50-150	1	06/21/21 17:54	07/25/21 14:09	84-15-1	
n-Triacontane (S)	71	%.	50-150	1	06/21/21 17:54	07/25/21 14:09		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.65**	ug/L	0.50	1	06/25/21 06:29	06/29/21 02:06	7440-38-2	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Tetrachloroethene	**11.7**	ug/L	1.0	1		06/29/21 05:33	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	105	%.	70-130	1		06/29/21 05:33	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		06/29/21 05:33	460-00-4	
Toluene-d8 (S)	110	%.	75-125	1		06/29/21 05:33	2037-26-5	

Sample: BG-90-20210615 **Lab ID: 10566081004** Collected: 06/15/21 08:50 Received: 06/18/21 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	0.39	1	06/21/21 17:54	06/29/21 18:09	68334-30-5	
Motor Oil Range	ND	mg/L	0.39	1	06/21/21 17:54	06/29/21 18:09		
Surrogates								
o-Terphenyl (S)	76	%.	50-150	1	06/21/21 17:54	06/29/21 18:09	84-15-1	
n-Triacontane (S)	80	%.	50-150	1	06/21/21 17:54	06/29/21 18:09		
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	0.39	1	06/21/21 17:54	07/25/21 14:20	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.39	1	06/21/21 17:54	07/25/21 14:20	64742-65-0	
Surrogates								
o-Terphenyl (S)	70	%.	50-150	1	06/21/21 17:54	07/25/21 14:20	84-15-1	
n-Triacontane (S)	76	%.	50-150	1	06/21/21 17:54	07/25/21 14:20		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Sample: BG-90-20210615 **Lab ID: 10566081004** Collected: 06/15/21 08:50 Received: 06/18/21 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**1.1**	ug/L	0.50	1	06/25/21 06:29	06/29/21 02:17	7440-38-2	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Tetrachloroethene	**3.7**	ug/L	1.0	1		06/29/21 05:57	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	105	%.	70-130	1		06/29/21 05:57	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		06/29/21 05:57	460-00-4	
Toluene-d8 (S)	111	%.	75-125	1		06/29/21 05:57	2037-26-5	

Sample: MW-12-20210615 **Lab ID: 10566081005** Collected: 06/15/21 09:50 Received: 06/18/21 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	06/21/21 17:54	06/29/21 18:20	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	06/21/21 17:54	06/29/21 18:20		
Surrogates								
o-Terphenyl (S)	77	%.	50-150	1	06/21/21 17:54	06/29/21 18:20	84-15-1	
n-Triacontane (S)	79	%.	50-150	1	06/21/21 17:54	06/29/21 18:20		
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	06/21/21 17:54	07/25/21 14:31	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	06/21/21 17:54	07/25/21 14:31	64742-65-0	
Surrogates								
o-Terphenyl (S)	65	%.	50-150	1	06/21/21 17:54	07/25/21 14:31	84-15-1	
n-Triacontane (S)	70	%.	50-150	1	06/21/21 17:54	07/25/21 14:31		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**1.4**	ug/L	0.50	1	06/25/21 06:29	06/29/21 02:21	7440-38-2	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Tetrachloroethene	**3.0**	ug/L	1.0	1		06/29/21 06:22	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	106	%.	70-130	1		06/29/21 06:22	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		06/29/21 06:22	460-00-4	
Toluene-d8 (S)	109	%.	75-125	1		06/29/21 06:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Sample: YVS-1B-20210615 **Lab ID: 10566081006** Collected: 06/15/21 11:10 Received: 06/18/21 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	**0.51**	mg/L	0.40	1	06/21/21 17:54	06/29/21 18:31	68334-30-5	
Motor Oil Range	**0.55**	mg/L	0.40	1	06/21/21 17:54	06/29/21 18:31		
Surrogates								
o-Terphenyl (S)	70	%.	50-150	1	06/21/21 17:54	06/29/21 18:31	84-15-1	
n-Triacontane (S)	73	%.	50-150	1	06/21/21 17:54	06/29/21 18:31		
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	06/21/21 17:54	07/25/21 14:43	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	06/21/21 17:54	07/25/21 14:43	64742-65-0	
Surrogates								
o-Terphenyl (S)	59	%.	50-150	1	06/21/21 17:54	07/25/21 14:43	84-15-1	
n-Triacontane (S)	66	%.	50-150	1	06/21/21 17:54	07/25/21 14:43		
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis							
TPH as Gas	ND	ug/L	100	1		06/25/21 19:43		
Surrogates								
a,a,a-Trifluorotoluene (S)	94	%.	50-150	1		06/25/21 19:43	98-08-8	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.60**	ug/L	0.50	1	06/25/21 06:29	06/29/21 02:24	7440-38-2	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Tetrachloroethene	ND	ug/L	1.0	1		06/29/21 03:29	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	104	%.	70-130	1		06/29/21 03:29	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		06/29/21 03:29	460-00-4	
Toluene-d8 (S)	109	%.	75-125	1		06/29/21 03:29	2037-26-5	

Sample: YVS-2-20210615 **Lab ID: 10566081007** Collected: 06/15/21 12:20 Received: 06/18/21 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							
4,4'-DDT	ND	ug/L	0.096	1	06/21/21 14:11	06/23/21 22:13	50-29-3	
Aldrin	ND	ug/L	0.048	1	06/21/21 14:11	06/23/21 22:13	309-00-2	
Dieldrin	ND	ug/L	0.096	1	06/21/21 14:11	06/23/21 22:13	60-57-1	
beta-BHC	ND	ug/L	0.048	1	06/21/21 14:11	06/23/21 22:13	319-85-7	
gamma-BHC (Lindane)	ND	ug/L	0.048	1	06/21/21 14:11	06/23/21 22:13	58-89-9	
Surrogates								
Tetrachloro-m-xylene (S)	82	%.	34-129	1	06/21/21 14:11	06/23/21 22:13	877-09-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Sample: YVS-2-20210615 **Lab ID: 10566081007** Collected: 06/15/21 12:20 Received: 06/18/21 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)	77	%.	30-135	1	06/21/21 14:11	06/23/21 22:13	2051-24-3	
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**0.65**	mg/L	0.39	1	06/21/21 17:54	06/29/21 18:42	68334-30-5	
Motor Oil Range	ND	mg/L	0.39	1	06/21/21 17:54	06/29/21 18:42		
Surrogates								
o-Terphenyl (S)	63	%.	50-150	1	06/21/21 17:54	06/29/21 18:42	84-15-1	
n-Triacontane (S)	69	%.	50-150	1	06/21/21 17:54	06/29/21 18:42		
NWTPH-Dx GCS Silica Gel LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range SG	**0.41**	mg/L	0.39	1	06/21/21 17:54	07/25/21 14:54	68334-30-5	
Motor Oil Range SG	**0.48**	mg/L	0.39	1	06/21/21 17:54	07/25/21 14:54	64742-65-0	P2
Surrogates								
o-Terphenyl (S)	36	%.	50-150	1	06/21/21 17:54	07/25/21 14:54	84-15-1	S0
n-Triacontane (S)	35	%.	50-150	1	06/21/21 17:54	07/25/21 14:54		S0
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis							
TPH as Gas	**880**	ug/L	100	1		06/29/21 00:03		G+,G-
Surrogates								
a,a,a-Trifluorotoluene (S)	107	%.	50-150	1		06/29/21 00:03	98-08-8	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**1.3**	ug/L	0.50	1	06/25/21 06:29	06/29/21 02:28	7440-38-2	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Tetrachloroethene	ND	ug/L	1.0	1		06/29/21 06:47	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	102	%.	70-130	1		06/29/21 06:47	2199-69-1	
4-Bromofluorobenzene (S)	101	%.	75-125	1		06/29/21 06:47	460-00-4	
Toluene-d8 (S)	112	%.	75-125	1		06/29/21 06:47	2037-26-5	

Sample: YVS-201-20210615 **Lab ID: 10566081008** Collected: 06/15/21 12:25 Received: 06/18/21 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	**898**	ug/L	100	1		06/28/21 23:36		G+,G-

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Sample: YVS-201-20210615 **Lab ID: 10566081008** Collected: 06/15/21 12:25 Received: 06/18/21 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							
Surrogates								
a,a,a-Trifluorotoluene (S)	108	%.	50-150	1		06/28/21 23:36	98-08-8	

Sample: YS-1-20210615 **Lab ID: 10566081009** Collected: 06/15/21 14:15 Received: 06/18/21 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	06/21/21 17:54	06/29/21 18:53	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	06/21/21 17:54	06/29/21 18:53		
Surrogates								
o-Terphenyl (S)	63	%.	50-150	1	06/21/21 17:54	06/29/21 18:53	84-15-1	
n-Triacontane (S)	72	%.	50-150	1	06/21/21 17:54	06/29/21 18:53		
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	06/21/21 17:54	07/25/21 15:05	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	06/21/21 17:54	07/25/21 15:05	64742-65-0	
Surrogates								
o-Terphenyl (S)	57	%.	50-150	1	06/21/21 17:54	07/25/21 15:05	84-15-1	
n-Triacontane (S)	70	%.	50-150	1	06/21/21 17:54	07/25/21 15:05		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**1.6**	ug/L	0.50	1	06/25/21 06:29	06/29/21 02:32	7440-38-2	

Sample: YVS-3-20210615 **Lab ID: 10566081010** Collected: 06/15/21 15:00 Received: 06/18/21 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	06/21/21 17:54	06/29/21 19:04	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	06/21/21 17:54	06/29/21 19:04		
Surrogates								
o-Terphenyl (S)	57	%.	50-150	1	06/21/21 17:54	06/29/21 19:04	84-15-1	
n-Triacontane (S)	62	%.	50-150	1	06/21/21 17:54	06/29/21 19:04		
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	06/21/21 17:54	07/25/21 15:17	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	06/21/21 17:54	07/25/21 15:17	64742-65-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Sample: YVS-3-20210615 **Lab ID: 10566081010** Collected: 06/15/21 15:00 Received: 06/18/21 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								
o-Terphenyl (S)	52	%.	50-150	1	06/21/21 17:54	07/25/21 15:17	84-15-1	
n-Triacontane (S)	60	%.	50-150	1	06/21/21 17:54	07/25/21 15:17		
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Benzene	ND	ug/L	1.0	1		06/29/21 03:54	71-43-2	
Tetrachloroethene	ND	ug/L	1.0	1		06/29/21 03:54	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	105	%.	70-130	1		06/29/21 03:54	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		06/29/21 03:54	460-00-4	
Toluene-d8 (S)	110	%.	75-125	1		06/29/21 03:54	2037-26-5	

Sample: YVS-3-60-20210615 **Lab ID: 10566081011** Collected: 06/15/21 15:35 Received: 06/18/21 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	06/21/21 17:54	06/29/21 19:15	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	06/21/21 17:54	06/29/21 19:15		
Surrogates								
o-Terphenyl (S)	74	%.	50-150	1	06/21/21 17:54	06/29/21 19:15	84-15-1	
n-Triacontane (S)	78	%.	50-150	1	06/21/21 17:54	06/29/21 19:15		
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	06/21/21 17:54	07/25/21 15:28	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	06/21/21 17:54	07/25/21 15:28	64742-65-0	
Surrogates								
o-Terphenyl (S)	66	%.	50-150	1	06/21/21 17:54	07/25/21 15:28	84-15-1	
n-Triacontane (S)	74	%.	50-150	1	06/21/21 17:54	07/25/21 15:28		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.63**	ug/L	0.50	1	06/25/21 06:29	06/29/21 02:35	7440-38-2	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Tetrachloroethene	**6.3**	ug/L	1.0	1		06/29/21 04:18	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	104	%.	70-130	1		06/29/21 04:18	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		06/29/21 04:18	460-00-4	
Toluene-d8 (S)	111	%.	75-125	1		06/29/21 04:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Sample: YVS-3-90-20210615 **Lab ID: 10566081012** Collected: 06/15/21 16:15 Received: 06/18/21 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	06/21/21 17:54	06/29/21 19:26	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	06/21/21 17:54	06/29/21 19:26		
Surrogates								
o-Terphenyl (S)	75	%.	50-150	1	06/21/21 17:54	06/29/21 19:26	84-15-1	
n-Triacontane (S)	84	%.	50-150	1	06/21/21 17:54	06/29/21 19:26		
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	06/21/21 17:54	07/25/21 15:40	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	06/21/21 17:54	07/25/21 15:40	64742-65-0	
Surrogates								
o-Terphenyl (S)	64	%.	50-150	1	06/21/21 17:54	07/25/21 15:40	84-15-1	
n-Triacontane (S)	77	%.	50-150	1	06/21/21 17:54	07/25/21 15:40		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**1.0**	ug/L	0.50	1	06/25/21 06:29	06/29/21 02:39	7440-38-2	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Tetrachloroethene	ND	ug/L	1.0	1		06/29/21 04:43	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	104	%.	70-130	1		06/29/21 04:43	2199-69-1	
4-Bromofluorobenzene (S)	98	%.	75-125	1		06/29/21 04:43	460-00-4	
Toluene-d8 (S)	109	%.	75-125	1		06/29/21 04:43	2037-26-5	

Sample: MW-6-20210615 **Lab ID: 10566081013** Collected: 06/15/21 17:00 Received: 06/18/21 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	06/21/21 17:54	06/29/21 17:04	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	06/21/21 17:54	06/29/21 17:04		
Surrogates								
o-Terphenyl (S)	59	%.	50-150	1	06/21/21 17:54	06/29/21 17:04	84-15-1	
n-Triacontane (S)	65	%.	50-150	1	06/21/21 17:54	06/29/21 17:04		
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	06/21/21 17:54	07/25/21 15:51	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	06/21/21 17:54	07/25/21 15:51	64742-65-0	
Surrogates								
o-Terphenyl (S)	53	%.	50-150	1	06/21/21 17:54	07/25/21 15:51	84-15-1	
n-Triacontane (S)	62	%.	50-150	1	06/21/21 17:54	07/25/21 15:51		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

ANALYTICAL RESULTS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Sample: MW-6-20210615 **Lab ID: 10566081013** Collected: 06/15/21 17:00 Received: 06/18/21 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	ND	ug/L	0.50	1	06/25/21 06:29	06/29/21 02:42	7440-38-2	
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
Tetrachloroethene	ND	ug/L	1.0	1		06/29/21 03:04	127-18-4	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	109	%.	70-130	1		06/29/21 03:04	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		06/29/21 03:04	460-00-4	
Toluene-d8 (S)	109	%.	75-125	1		06/29/21 03:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

QC Batch: 752091
QC Batch Method: NWTPH-Gx
Analysis Method: NWTPH-Gx
Analysis Description: NWTPH-Gx Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10566081006

METHOD BLANK: 4010824 Matrix: Water
Associated Lab Samples: 10566081006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	06/25/21 14:15	
a,a,a-Trifluorotoluene (S)	%.	97	50-150	06/25/21 14:15	

METHOD BLANK: 4010825 Matrix: Water
Associated Lab Samples: 10566081006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	06/25/21 19:16	
a,a,a-Trifluorotoluene (S)	%.	94	50-150	06/25/21 19:16	

LABORATORY CONTROL SAMPLE & LCSD: 4010826 4010827

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	946	1100	95	110	75-127	15	20	
a,a,a-Trifluorotoluene (S)	%.				101	104	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4010828 4010829

Parameter	Units	10566565003 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	125	1000	1000	903	864	78	74	71-139	4	30	
a,a,a-Trifluorotoluene (S)	%.						95	95	50-150			

SAMPLE DUPLICATE: 4011199

Parameter	Units	10566046002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<42.8	ND		30	
a,a,a-Trifluorotoluene (S)	%.	98	98			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

SAMPLE DUPLICATE: 4011201

Parameter	Units	10566565014 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	341	386	12	30	G-
a,a,a-Trifluorotoluene (S)	%.	95	95			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

QC Batch: 752625
QC Batch Method: NWTPH-Gx
Analysis Method: NWTPH-Gx
Analysis Description: NWTPH-Gx Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10566081007, 10566081008

METHOD BLANK: 4013427 Matrix: Water
Associated Lab Samples: 10566081007, 10566081008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	06/28/21 21:18	
a,a,a-Trifluorotoluene (S)	%.	97	50-150	06/28/21 21:18	

METHOD BLANK: 4013428 Matrix: Water
Associated Lab Samples: 10566081007, 10566081008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	06/29/21 02:20	
a,a,a-Trifluorotoluene (S)	%.	99	50-150	06/29/21 02:20	

LABORATORY CONTROL SAMPLE & LCSD: 4013429 4013430

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1070	979	107	98	75-127	9	20	
a,a,a-Trifluorotoluene (S)	%.				104	102	50-150			

SAMPLE DUPLICATE: 4013477

Parameter	Units	10566565016 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	ND		30	
a,a,a-Trifluorotoluene (S)	%.	98	74			

SAMPLE DUPLICATE: 4022759

Parameter	Units	10567206004 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<42.8	ND		30	C0,CL
a,a,a-Trifluorotoluene (S)	%.	88	87			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

QC Batch: 751761 | Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 | Analysis Description: 200.8 MET Dissolved
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10566081002, 10566081003, 10566081004, 10566081005, 10566081006, 10566081007, 10566081009, 10566081011, 10566081012, 10566081013

METHOD BLANK: 4008737 Matrix: Water
Associated Lab Samples: 10566081002, 10566081003, 10566081004, 10566081005, 10566081006, 10566081007, 10566081009, 10566081011, 10566081012, 10566081013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	0.50	06/29/21 01:37	

LABORATORY CONTROL SAMPLE: 4008738

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	100	101	101	85-115	

MATRIX SPIKE SAMPLE: 4008739

Parameter	Units	10565249001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	2.6	100	103	100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4008740 4008741

Parameter	Units	10566081013 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	ND	100	100	102	103	102	103	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

QC Batch: 752568
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10566081001, 10566081002, 10566081003, 10566081004, 10566081005, 10566081006, 10566081007, 10566081010, 10566081011, 10566081012, 10566081013

METHOD BLANK: 4013157 Matrix: Water
Associated Lab Samples: 10566081001, 10566081002, 10566081003, 10566081004, 10566081005, 10566081006, 10566081007, 10566081010, 10566081011, 10566081012, 10566081013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	06/29/21 01:26	
Tetrachloroethene	ug/L	ND	1.0	06/29/21 01:26	
1,2-Dichlorobenzene-d4 (S)	%.	104	70-130	06/29/21 01:26	
4-Bromofluorobenzene (S)	%.	100	75-125	06/29/21 01:26	
Toluene-d8 (S)	%.	105	75-125	06/29/21 01:26	

LABORATORY CONTROL SAMPLE: 4013158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.3	96	73-125	
Tetrachloroethene	ug/L	20	19.8	99	69-131	
1,2-Dichlorobenzene-d4 (S)	%.			98	70-130	
4-Bromofluorobenzene (S)	%.			107	75-125	
Toluene-d8 (S)	%.			107	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4013159 4013160

Parameter	Units	10566081013 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	18.8	18.6	94	93	60-125	1	30	
Tetrachloroethene	ug/L	ND	20	20	20.4	20.2	97	96	66-138	1	30	
1,2-Dichlorobenzene-d4 (S)	%.						100	98	70-130			
4-Bromofluorobenzene (S)	%.						107	106	75-125			
Toluene-d8 (S)	%.						105	102	75-125			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

QC Batch: 750763
QC Batch Method: EPA Mod. 3510C
Analysis Method: EPA 8081B
Analysis Description: 8081B GCS Pesticides
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10566081007

METHOD BLANK: 4004140 Matrix: Water
Associated Lab Samples: 10566081007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDT	ug/L	ND	0.10	06/23/21 19:23	
Aldrin	ug/L	ND	0.050	06/23/21 19:23	
beta-BHC	ug/L	ND	0.050	06/23/21 19:23	
Dieldrin	ug/L	ND	0.10	06/23/21 19:23	
gamma-BHC (Lindane)	ug/L	ND	0.050	06/23/21 19:23	
Decachlorobiphenyl (S)	%.	89	30-135	06/23/21 19:23	
Tetrachloro-m-xylene (S)	%.	87	34-129	06/23/21 19:23	

LABORATORY CONTROL SAMPLE & LCSD: 4004141 4004142

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
4,4'-DDT	ug/L	1	1.0	0.87	102	87	64-133	16	20	
Aldrin	ug/L	0.5	0.35	0.31	70	61	36-132	14	20	
beta-BHC	ug/L	0.5	0.44	0.39	89	77	63-125	14	20	
Dieldrin	ug/L	1	0.91	0.79	91	79	63-129	15	20	
gamma-BHC (Lindane)	ug/L	0.5	0.45	0.39	90	78	62-126	15	20	
Decachlorobiphenyl (S)	%.				87	80	30-135			
Tetrachloro-m-xylene (S)	%.				84	74	34-129			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

QC Batch: 750872
QC Batch Method: EPA Mod. 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10566081002, 10566081003, 10566081004, 10566081005, 10566081006, 10566081007, 10566081009, 10566081010, 10566081011, 10566081012, 10566081013

METHOD BLANK: 4004664 Matrix: Water
Associated Lab Samples: 10566081002, 10566081003, 10566081004, 10566081005, 10566081006, 10566081007, 10566081009, 10566081010, 10566081011, 10566081012, 10566081013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	ND	0.40	06/29/21 16:42	
Motor Oil Range	mg/L	ND	0.40	06/29/21 16:42	
n-Triacontane (S)	%.	61	50-150	06/29/21 16:42	
o-Terphenyl (S)	%.	61	50-150	06/29/21 16:42	

LABORATORY CONTROL SAMPLE: 4004665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range	mg/L	2	1.7	83	50-150	
Motor Oil Range	mg/L	2	1.7	87	50-150	
n-Triacontane (S)	%.			81	50-150	
o-Terphenyl (S)	%.			78	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4004668 4004669

Parameter	Units	10566081013 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	ND	2	2	1.7	1.3	70	52	50-150	23	30	
Motor Oil Range	mg/L	ND	2	2	2.0	1.6	80	61	50-150	21	30	
n-Triacontane (S)	%.						78	63	50-150			
o-Terphenyl (S)	%.						70	57	50-150			

SAMPLE DUPLICATE: 4004670

Parameter	Units	10566081002 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	ND	.16J		30	
Motor Oil Range	mg/L	ND	.22J		30	
n-Triacontane (S)	%.	72	82			
o-Terphenyl (S)	%.	68	79			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

QC Batch: 757918
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: 10566081002, 10566081003, 10566081004, 10566081005, 10566081006, 10566081007, 10566081009, 10566081010, 10566081011, 10566081012, 10566081013

METHOD BLANK: 4041692 Matrix: Water
Associated Lab Samples: 10566081002, 10566081003, 10566081004, 10566081005, 10566081006, 10566081007, 10566081009, 10566081010, 10566081011, 10566081012, 10566081013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	07/25/21 13:23	
Motor Oil Range SG	mg/L	ND	0.40	07/25/21 13:23	
n-Triacontane (S)	%.	53	50-150	07/25/21 13:23	
o-Terphenyl (S)	%.	53	50-150	07/25/21 13:23	

LABORATORY CONTROL SAMPLE: 4041693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range SG	mg/L	2	1.7	83	50-150	
Motor Oil Range SG	mg/L	2	1.9	96	50-150	
n-Triacontane (S)	%.			57	50-150	
o-Terphenyl (S)	%.			67	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4041695 4041696

Parameter	Units	10566081013 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	1.3	1.2	59	53	50-150	9	30	
Motor Oil Range SG	mg/L	ND	2	2	1.6	1.5	68	62	50-150	8	30	
n-Triacontane (S)	%.						68	63	50-150			
o-Terphenyl (S)	%.						62	55	50-150			

SAMPLE DUPLICATE: 4041694

Parameter	Units	10566081002 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	mg/L	ND	.087J		30	
Motor Oil Range SG	mg/L	ND	.18J		30	
n-Triacontane (S)	%.	68	68			
o-Terphenyl (S)	%.	61	64			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

QUALIFIERS

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

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.

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 10566081

[1] The samples were received outside of required temperature range. Analysis was completed upon client approval.

BATCH QUALIFIERS

Batch: 751256

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

ANALYTE QUALIFIERS

C0	Result confirmed by second analysis.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
G+	Late peaks present outside the GRO window.
G-	Early peaks present outside the GRO window.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
S0	Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10566081007	**YVS-2-20210615**	EPA Mod. 3510C	750763	EPA 8081B	751256
10566081002	**BG-60-20210615**	EPA Mod. 3510C	750872	NWTPH-Dx	751314
10566081003	**BG-601-20210615**	EPA Mod. 3510C	750872	NWTPH-Dx	751314
10566081004	**BG-90-20210615**	EPA Mod. 3510C	750872	NWTPH-Dx	751314
10566081005	**MW-12-20210615**	EPA Mod. 3510C	750872	NWTPH-Dx	751314
10566081006	**YVS-1B-20210615**	EPA Mod. 3510C	750872	NWTPH-Dx	751314
10566081007	**YVS-2-20210615**	EPA Mod. 3510C	750872	NWTPH-Dx	751314
10566081009	**YS-1-20210615**	EPA Mod. 3510C	750872	NWTPH-Dx	751314
10566081010	**YVS-3-20210615**	EPA Mod. 3510C	750872	NWTPH-Dx	751314
10566081011	**YVS-3-60-20210615**	EPA Mod. 3510C	750872	NWTPH-Dx	751314
10566081012	**YVS-3-90-20210615**	EPA Mod. 3510C	750872	NWTPH-Dx	751314
10566081013	**MW-6-20210615**	EPA Mod. 3510C	750872	NWTPH-Dx	751314
10566081002	**BG-60-20210615**	EPA Mod. 3510C	757918	NWTPH-Dx	758784
10566081003	**BG-601-20210615**	EPA Mod. 3510C	757918	NWTPH-Dx	758784
10566081004	**BG-90-20210615**	EPA Mod. 3510C	757918	NWTPH-Dx	758784
10566081005	**MW-12-20210615**	EPA Mod. 3510C	757918	NWTPH-Dx	758784
10566081006	**YVS-1B-20210615**	EPA Mod. 3510C	757918	NWTPH-Dx	758784
10566081007	**YVS-2-20210615**	EPA Mod. 3510C	757918	NWTPH-Dx	758784
10566081009	**YS-1-20210615**	EPA Mod. 3510C	757918	NWTPH-Dx	758784
10566081010	**YVS-3-20210615**	EPA Mod. 3510C	757918	NWTPH-Dx	758784
10566081011	**YVS-3-60-20210615**	EPA Mod. 3510C	757918	NWTPH-Dx	758784
10566081012	**YVS-3-90-20210615**	EPA Mod. 3510C	757918	NWTPH-Dx	758784
10566081013	**MW-6-20210615**	EPA Mod. 3510C	757918	NWTPH-Dx	758784
10566081006	**YVS-1B-20210615**	NWTPH-Gx	752091		
10566081007	**YVS-2-20210615**	NWTPH-Gx	752625		
10566081008	**YVS-201-20210615**	NWTPH-Gx	752625		
10566081002	**BG-60-20210615**	EPA 200.8	751761	EPA 200.8	752174
10566081003	**BG-601-20210615**	EPA 200.8	751761	EPA 200.8	752174
10566081004	**BG-90-20210615**	EPA 200.8	751761	EPA 200.8	752174
10566081005	**MW-12-20210615**	EPA 200.8	751761	EPA 200.8	752174
10566081006	**YVS-1B-20210615**	EPA 200.8	751761	EPA 200.8	752174
10566081007	**YVS-2-20210615**	EPA 200.8	751761	EPA 200.8	752174
10566081009	**YS-1-20210615**	EPA 200.8	751761	EPA 200.8	752174
10566081011	**YVS-3-60-20210615**	EPA 200.8	751761	EPA 200.8	752174
10566081012	**YVS-3-90-20210615**	EPA 200.8	751761	EPA 200.8	752174
10566081013	**MW-6-20210615**	EPA 200.8	751761	EPA 200.8	752174
10566081001	**TB-20210615**	EPA 8260D	752568		
10566081002	**BG-60-20210615**	EPA 8260D	752568		
10566081003	**BG-601-20210615**	EPA 8260D	752568		
10566081004	**BG-90-20210615**	EPA 8260D	752568		
10566081005	**MW-12-20210615**	EPA 8260D	752568		
10566081006	**YVS-1B-20210615**	EPA 8260D	752568		
10566081007	**YVS-2-20210615**	EPA 8260D	752568		
10566081010	**YVS-3-20210615**	EPA 8260D	752568		
10566081011	**YVS-3-60-20210615**	EPA 8260D	752568		
10566081012	**YVS-3-90-20210615**	EPA 8260D	752568		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 192024-01.01 Yakima Valley Spr-Revised Report
Pace Project No.: 10566081

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10566081013	**MW-6-20210615**	EPA 8260D	752568		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY

WO# : 10566081

10566081

Company: ANCHOR QEA	Billing Information: ATTN: ACCOUNTS PAYABLE
Address: 1201 3RD AVE, #2600, SEATTLE, WA	
Report To: LABDATA@ANCHORQEA.COM	Email To:
Copy To: CFIELDS@ANCHORQEA.COM	Site Collection Info/Address: YAKIMA VALLEY SPRAY
Customer Project Name/Number: YAKIMA VALLEY SPRAY	State: WA / County/City: YAKIMA / Time Zone Collected: [X] PT [ ] MT [ ] CT [ ] ET
Phone: 2062879130 / Email: LABDATA@ANCHORQEA.COM	Site/Facility ID #: — / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): S. STREET	Purchase Order #: 192024-01.01 / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature):	Turnaround Date Required: STANDARD / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [X] Yes [ ] No / Analysis: AS FILTERED

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Preservative **	Analyses: 8260 Benzene	Analyses: 8260 PCE	Analyses: NWTPH-Dx	Analyses: NWTPH-Gx	Analyses: 200.8 Dissolved Arsenic (Field Filtered)	Analyses: 8081 Pesticides *	Lab Sample # / Comments
TB-20210615	GW	G	6-15-21	0800				6	3 3 U 3 1 U	X	X					001
BG-60-20210615				0755				6			X	Y		Y		002
BG-601-20210615				0800				6			X	Y			X	003
BG-90-20210615				0850				6			X	X			X	004
MW-12-20210615				0950				6			X	X			X	005
YVS-1B-20210615				1110				9			X	Y	Y		X	006
YVS-2-20210615				1220				11			X	X	X		X	007
YVS-201-20210615				1225				3					X			008
YVS-1-20210615				1415				3				X			X	009
YVS-3-20210615	GW	G	6-15-21	1500				8		X	X	X				010

Lab Profile/Line: 407571

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:
* 8081: 4,4-DDT, Aldrin, Dieldrin, [illegible], BHC, gamma-BHC (Lindane)

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2669332

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 13
Cooler 1 Temp Upon Receipt: ____oC
Cooler 1 Therm Corr. Factor: ____oC
Cooler 1 Corrected Temp: ____oC
Comments:
8.7, 8.8, 5.3

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 4

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
STEPHEN STREET	6-18-21 1330	Courtney-Pace	6-18-21 0830
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: ANCHOR QEA	Billing Information: ATTN: ACCOUNTS PAYABLE
Address:	
Report To: LABDATA@ANCHORQEA.COM	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: YAKIMA RIVER VALLEY SPRAY	State: WA County/City: YAKIMA Time Zone Collected: [X] PT [ ] MT [ ] CT [ ] ET
Phone: 206 287 9130 Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): S. STREHL	Purchase Order #: 1920 24-UL.01 Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: STANDARD Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [X] Yes [ ] No Analysis: As Filtered

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Profile/Line: 407571 1

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	1	8260 PCE	NW TPH Dx	1	200.8 DISS Arsenic (Field Filtered)	1	Lab Sample # / Comments
YVS-3-60-20210615	GW	G	6-15-21	1535				6		X	X		X		011
YVS-3-90-20210615	GW	G	6-15-21	1615				6		X	X		X		012
MW-6-20210615	GW	G	6-15-21	1700				11		X	X		X		013

SS 6-16-21

SS 6-16-21

Customer Remarks / Special Conditions / Possible Hazards: MW-6-20210615 IS MS/MSD FOR Dx AND PCE	Type of Ice Used: Wet Blue Dry None	SHORT HOLDS PRESENT (<72 hours): Y N N/A	Lab Sample Temperature Info: Temp Blank Received: Y N NA
	Packing Material Used:	Lab Tracking #: 2669333	Therm ID#: T3
	Radchem sample(s) screened (<500 cpm): Y N NA	Samples received via: FEDEX UPS Client Courier Pace Courier	Cooler 1 Temp Upon Receipt: ____oC
			Cooler 1 Therm Corr. Factor: ____oC
			Cooler 1 Corrected Temp: ____oC
			Comments: 8.7, 8.8, 5.3

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	MTJL LAB USE ONLY
Stephen Strehl	6-16-21 1330	Will Arfanz-Pace	6-18-21 0850	Table #:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Acctnum: Template: Prelogin:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	PM: PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 2 of: 4

Page 14 of 33

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR) - MN**	Document Revised: 14Apr2021 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0150 Rev.02**	Pace Analytical Services - **Minneapolis**

Sample Condition Upon Receipt

Client Name: Anchor QEA

Project #: **WO#: 10566081**

PM: JMG Due Date: 07/02/21
CLIENT: ANCHOR QEA

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

Tracking Number: _____ 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) ☐ OS418-LS ☐ T4(0254) ☐ T5(0489) ☐ 160285052

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:** _____ °C

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

Correction Factor: 40.1 **Cooler Temp Corrected w/temp blank:** _____ °C

USDA Regulated Soil: (☑ N/A, water sample/Other: _____)

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

Date/Initials of Person Examining Contents: Ca 6-18-21

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				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.
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: ~~Sample 8 did not Arrive~~ Ca 6-18-21 — See Exception ☐ ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☑ Yes	☐ No	☐ N/A	12. Sample # 2-7, 9-11-13
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 22419 | 0-6 Strip | 0-14 Strip
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): 4161 309253

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

Person Contacted: Cindy Fields Date/Time: 06/18/21

Comments/Resolution: Client notified of temperature exceedance.

Project Manager Review: JENNI GROSS **Date:** 06/21/21

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: CSZ 02

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
TB-20210615		4
BG-60-20210615		6
BG-01-20210615		6
BG-90-20210615		6
MW-12-20210615		6
YVS-1B-20210615		9
YVS-2-20210615		9
YVS-3-20210615		7
YVS-3-60-20210615		6
YVS-3-90-20210615		6
MW-6-20210615		11
YVS-201-20210615		3

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	
145622481557	8.7
145622481530	8.8
145622481541	5.3

Issue Type: Container arrive Empty

Sample ID	Container Type	# of Containers
YVS-3-20210615	VG9H	1

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:
Only Sample 09 and the 2 AGIVS from Sample 07 arrived in temp. ~~Sample~~ 08 Did not Arrive. Sample 8 did Arrive

Quarter 3

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

October 20, 2021

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

RE: Project: Yakima Valley Spray
Pace Project No.: 10581280

Dear Nik Bacher:

Enclosed are the analytical results for sample(s) received by the laboratory on September 30, 2021. 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: Yakima Valley Spray
Pace Project No.: 10581280

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 #: 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: Yakima Valley Spray
Pace Project No.: 10581280

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

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SAMPLE SUMMARY

Project: Yakima Valley Spray
Pace Project No.: 10581280

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10581280001	**BG-60-20210928**	Water	09/28/21 07:45	09/30/21 08:50
10581280002	**BG-601-20210928**	Water	09/28/21 07:50	09/30/21 08:50
10581280003	**BG-90-20210928**	Water	09/28/21 08:40	09/30/21 08:50
10581280004	**MW-12-20210928**	Water	09/28/21 09:40	09/30/21 08:50
10581280005	**YVS-1B-20210928**	Water	09/28/21 10:55	09/30/21 08:50
10581280006	**YVS-2-20210928**	Water	09/28/21 11:50	09/30/21 08:50
10581280007	**YS-1-20210928**	Water	09/28/21 13:30	09/30/21 08:50
10581280008	**YVS-3-20210928**	Water	09/28/21 14:15	09/30/21 08:50
10581280009	**YVS-3-60-20210928**	Water	09/28/21 15:00	09/30/21 08:50
10581280010	**YVS-3-90-20210928**	Water	09/28/21 15:40	09/30/21 08:50
10581280011	**MW-6-20210928**	Water	09/28/21 16:30	09/30/21 08:50
10581280012	**TB-20210928**	Water	09/28/21 06:00	09/30/21 08:50

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SAMPLE ANALYTE COUNT

Project: Yakima Valley Spray
Pace Project No.: 10581280

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10581280001	**BG-60-20210928**	NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		EPA 200.8	ALB	1	PASI-M
		EPA 8260D	JCP	4	PAN
10581280002	**BG-601-20210928**	NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		EPA 200.8	ALB	1	PASI-M
		EPA 8260D	JCP	4	PAN
10581280003	**BG-90-20210928**	NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		EPA 200.8	ALB	1	PASI-M
		EPA 8260D	JCP	4	PAN
10581280004	**MW-12-20210928**	NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		EPA 200.8	ALB	1	PASI-M
		EPA 8260D	JCP	4	PAN
10581280005	**YVS-1B-20210928**	NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Gx	TM2	2	PASI-M
		EPA 200.8	ALB	1	PASI-M
		EPA 8260D	JCP	4	PAN
10581280006	**YVS-2-20210928**	EPA 8081B	RAG	7	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Gx	TM2	2	PASI-M
		EPA 200.8	ALB	1	PASI-M
		EPA 8260D	JCP	4	PAN
10581280007	**YS-1-20210928**	NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		EPA 200.8	ALB	1	PASI-M
10581280008	**YVS-3-20210928**	NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		EPA 8260D	JCP	5	PAN
10581280009	**YVS-3-60-20210928**	NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		EPA 200.8	ALB	1	PASI-M
		EPA 8260D	JCP	4	PAN

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SAMPLE ANALYTE COUNT

Project: Yakima Valley Spray
Pace Project No.: 10581280

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10581280010	**YVS-3-90-20210928**	NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		EPA 200.8	ALB	1	PASI-M
		EPA 8260D	JCP	4	PAN
10581280011	**MW-6-20210928**	NWTPH-Dx	TT2	4	PASI-M
		NWTPH-Dx	TT2	4	PASI-M
		EPA 200.8	ALB	1	PASI-M
		EPA 8260D	JCP	4	PAN
10581280012	**TB-20210928**	EPA 8260D	JCP	5	PAN

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

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10581280

Date: October 20, 2021

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10581280

Method: **EPA 8081B**
Description: 8081B GCS Pesticides
Client: Anchor QEA, LLC
Date: October 20, 2021

General Information:
1 sample was 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.

QC Batch: 774333

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10581280006

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

- MS (Lab ID: 4124425)
  - 4,4'-DDT
  - Aldrin
  - Dieldrin
  - beta-BHC
- MSD (Lab ID: 4124426)
  - 4,4'-DDT
  - Aldrin
  - Dieldrin
  - beta-BHC
  - gamma-BHC (Lindane)

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10581280

Method: **EPA 8081B**
Description: 8081B GCS Pesticides
Client: Anchor QEA, LLC
Date: October 20, 2021

Additional Comments:

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PROJECT NARRATIVE

Project: Yakima Valley Spray
Pace Project No.: 10581280

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS LV
Client: Anchor QEA, LLC
Date: October 20, 2021

General Information:
11 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.

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.: 10581280

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS Silica Gel LV
Client: Anchor QEA, LLC
Date: October 20, 2021

General Information:
11 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.

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.: 10581280

Method: **NWTPH-Gx**
Description: NWTPH-Gx GCV
Client: Anchor QEA, LLC
Date: October 20, 2021

General Information:
2 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.: 10581280

Method: **EPA 200.8**
Description: 200.8 MET ICPMS, Dissolved
Client: Anchor QEA, LLC
Date: October 20, 2021

General Information:
10 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.: 10581280

Method: **EPA 8260D**
Description: VOA (GC/MS) 8260D
Client: Anchor QEA, LLC
Date: October 20, 2021

General Information:
11 samples were analyzed for EPA 8260D 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.

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.

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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10581280

Sample: BG-60-20210928 **Lab ID: 10581280001** Collected: 09/28/21 07:45 Received: 09/30/21 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	10/04/21 11:18	10/06/21 18:10	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	10/04/21 11:18	10/06/21 18:10		
Surrogates								
o-Terphenyl (S)	90	%.	50-150	1	10/04/21 11:18	10/06/21 18:10	84-15-1	
n-Triacontane (S)	89	%.	50-150	1	10/04/21 11:18	10/06/21 18:10		
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	10/04/21 11:18	10/11/21 16:51	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	10/04/21 11:18	10/11/21 16:51	64742-65-0	
Surrogates								
o-Terphenyl (S)	83	%.	50-150	1	10/04/21 11:18	10/11/21 16:51	84-15-1	
n-Triacontane (S)	82	%.	50-150	1	10/04/21 11:18	10/11/21 16:51		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.51**	ug/L	0.50	1	10/06/21 11:17	10/08/21 01:33	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**12.8**	ug/L	1.00	1	10/08/21 19:59	10/08/21 19:59	127-18-4	
Surrogates								
Toluene-d8 (S)	102	%	80.0-120	1	10/08/21 19:59	10/08/21 19:59	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75.0-120	1	10/08/21 19:59	10/08/21 19:59	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	80.0-125	1	10/08/21 19:59	10/08/21 19:59	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10581280

Sample: BG-601-20210928 **Lab ID: 10581280002** Collected: 09/28/21 07:50 Received: 09/30/21 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	10/04/21 11:18	10/06/21 18:21	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	10/04/21 11:18	10/06/21 18:21		
Surrogates								
o-Terphenyl (S)	84	%.	50-150	1	10/04/21 11:18	10/06/21 18:21	84-15-1	
n-Triacontane (S)	87	%.	50-150	1	10/04/21 11:18	10/06/21 18:21		
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	10/04/21 11:18	10/11/21 17:01	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	10/04/21 11:18	10/11/21 17:01	64742-65-0	
Surrogates								
o-Terphenyl (S)	73	%.	50-150	1	10/04/21 11:18	10/11/21 17:01	84-15-1	
n-Triacontane (S)	75	%.	50-150	1	10/04/21 11:18	10/11/21 17:01		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.51**	ug/L	0.50	1	10/06/21 11:17	10/08/21 01:37	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**13.1**	ug/L	1.00	1	10/08/21 20:19	10/08/21 20:19	127-18-4	
Surrogates								
Toluene-d8 (S)	103	%	80.0-120	1	10/08/21 20:19	10/08/21 20:19	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75.0-120	1	10/08/21 20:19	10/08/21 20:19	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	80.0-125	1	10/08/21 20:19	10/08/21 20:19	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10581280

Sample: BG-90-20210928 **Lab ID: 10581280003** Collected: 09/28/21 08:40 Received: 09/30/21 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	10/04/21 11:18	10/06/21 18:32	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	10/04/21 11:18	10/06/21 18:32		
Surrogates								
o-Terphenyl (S)	88	%.	50-150	1	10/04/21 11:18	10/06/21 18:32	84-15-1	
n-Triacontane (S)	92	%.	50-150	1	10/04/21 11:18	10/06/21 18:32		
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	10/04/21 11:18	10/11/21 17:12	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	10/04/21 11:18	10/11/21 17:12	64742-65-0	
Surrogates								
o-Terphenyl (S)	77	%.	50-150	1	10/04/21 11:18	10/11/21 17:12	84-15-1	
n-Triacontane (S)	78	%.	50-150	1	10/04/21 11:18	10/11/21 17:12		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.97**	ug/L	0.50	1	10/06/21 11:17	10/08/21 01:40	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**3.55**	ug/L	1.00	1	10/08/21 20:39	10/08/21 20:39	127-18-4	
Surrogates								
Toluene-d8 (S)	102	%	80.0-120	1	10/08/21 20:39	10/08/21 20:39	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75.0-120	1	10/08/21 20:39	10/08/21 20:39	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	80.0-125	1	10/08/21 20:39	10/08/21 20:39	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10581280

Sample: MW-12-20210928 **Lab ID: 10581280004** Collected: 09/28/21 09:40 Received: 09/30/21 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	10/04/21 11:18	10/06/21 18:43	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	10/04/21 11:18	10/06/21 18:43		
Surrogates								
o-Terphenyl (S)	81	%.	50-150	1	10/04/21 11:18	10/06/21 18:43	84-15-1	
n-Triacontane (S)	86	%.	50-150	1	10/04/21 11:18	10/06/21 18:43		
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	10/04/21 11:18	10/11/21 17:23	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	10/04/21 11:18	10/11/21 17:23	64742-65-0	
Surrogates								
o-Terphenyl (S)	72	%.	50-150	1	10/04/21 11:18	10/11/21 17:23	84-15-1	
n-Triacontane (S)	76	%.	50-150	1	10/04/21 11:18	10/11/21 17:23		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.86**	ug/L	0.50	1	10/06/21 11:17	10/08/21 01:44	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**15.0**	ug/L	1.00	1	10/08/21 21:00	10/08/21 21:00	127-18-4	
Surrogates								
Toluene-d8 (S)	100	%	80.0-120	1	10/08/21 21:00	10/08/21 21:00	2037-26-5	
4-Bromofluorobenzene (S)	98.1	%	75.0-120	1	10/08/21 21:00	10/08/21 21:00	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	80.0-125	1	10/08/21 21:00	10/08/21 21:00	17060-07-0	

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.: 10581280

Sample: YVS-1B-20210928 **Lab ID: 10581280005** Collected: 09/28/21 10:55 Received: 09/30/21 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	10/04/21 11:18	10/06/21 18:54	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	10/04/21 11:18	10/06/21 18:54		
Surrogates								
o-Terphenyl (S)	74	%.	50-150	1	10/04/21 11:18	10/06/21 18:54	84-15-1	
n-Triacontane (S)	77	%.	50-150	1	10/04/21 11:18	10/06/21 18:54		
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	10/04/21 11:18	10/11/21 17:34	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	10/04/21 11:18	10/11/21 17:34	64742-65-0	
Surrogates								
o-Terphenyl (S)	62	%.	50-150	1	10/04/21 11:18	10/11/21 17:34	84-15-1	
n-Triacontane (S)	65	%.	50-150	1	10/04/21 11:18	10/11/21 17:34		
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis							
TPH as Gas	ND	ug/L	100	1		10/07/21 04:28		
Surrogates								
a,a,a-Trifluorotoluene (S)	88	%.	50-150	1		10/07/21 04:28	98-08-8	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**1.2**	ug/L	0.50	1	10/06/21 11:17	10/08/21 01:47	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**8.26**	ug/L	1.00	1	10/08/21 21:20	10/08/21 21:20	127-18-4	
Surrogates								
Toluene-d8 (S)	102	%	80.0-120	1	10/08/21 21:20	10/08/21 21:20	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75.0-120	1	10/08/21 21:20	10/08/21 21:20	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	80.0-125	1	10/08/21 21:20	10/08/21 21:20	17060-07-0	

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.: 10581280

Sample: YVS-2-20210928 **Lab ID: 10581280006** Collected: 09/28/21 11:50 Received: 09/30/21 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							
4,4'-DDT	ND	ug/L	0.095	1	10/04/21 15:13	10/09/21 00:02	50-29-3	M1
Aldrin	ND	ug/L	0.048	1	10/04/21 15:13	10/09/21 00:02	309-00-2	M1
Dieldrin	ND	ug/L	0.095	1	10/04/21 15:13	10/09/21 00:02	60-57-1	M1
beta-BHC	ND	ug/L	0.048	1	10/04/21 15:13	10/09/21 00:02	319-85-7	M1
gamma-BHC (Lindane)	ND	ug/L	0.048	1	10/04/21 15:13	10/09/21 00:02	58-89-9	M1
Surrogates								
Tetrachloro-m-xylene (S)	76	%.	34-129	1	10/04/21 15:13	10/09/21 00:02	877-09-8	
Decachlorobiphenyl (S)	50	%.	30-135	1	10/04/21 15:13	10/09/21 00:02	2051-24-3	
NWTPH-Dx GCS LV	Analytical Method: NWTPH-Dx Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis							
Diesel Fuel Range	**0.80**	mg/L	0.40	1	10/04/21 11:18	10/06/21 19:04	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	10/04/21 11:18	10/06/21 19:04		
Surrogates								
o-Terphenyl (S)	65	%.	50-150	1	10/04/21 11:18	10/06/21 19:04	84-15-1	
n-Triacontane (S)	64	%.	50-150	1	10/04/21 11:18	10/06/21 19:04		
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	10/04/21 11:18	10/11/21 17:45	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	10/04/21 11:18	10/11/21 17:45	64742-65-0	
Surrogates								
o-Terphenyl (S)	59	%.	50-150	1	10/04/21 11:18	10/11/21 17:45	84-15-1	
n-Triacontane (S)	57	%.	50-150	1	10/04/21 11:18	10/11/21 17:45		
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Pace Analytical Services - Minneapolis							
TPH as Gas	ND	ug/L	100	1		10/07/21 04:55		
Surrogates								
a,a,a-Trifluorotoluene (S)	87	%.	50-150	1		10/07/21 04:55	98-08-8	
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.60**	ug/L	0.50	1	10/06/21 11:17	10/08/21 01:51	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**5.13**	ug/L	1.00	1	10/08/21 21:41	10/08/21 21:41	127-18-4	
Surrogates								
Toluene-d8 (S)	103	%	80.0-120	1	10/08/21 21:41	10/08/21 21:41	2037-26-5	
4-Bromofluorobenzene (S)	99.4	%	75.0-120	1	10/08/21 21:41	10/08/21 21:41	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	80.0-125	1	10/08/21 21:41	10/08/21 21:41	17060-07-0	

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.: 10581280

Sample: YS-1-20210928 **Lab ID: 10581280007** Collected: 09/28/21 13:30 Received: 09/30/21 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	10/04/21 11:18	10/06/21 19:37	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	10/04/21 11:18	10/06/21 19:37		
Surrogates								
o-Terphenyl (S)	91	%.	50-150	1	10/04/21 11:18	10/06/21 19:37	84-15-1	
n-Triacontane (S)	93	%.	50-150	1	10/04/21 11:18	10/06/21 19:37		
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	10/04/21 11:18	10/11/21 18:17	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	10/04/21 11:18	10/11/21 18:17	64742-65-0	
Surrogates								
o-Terphenyl (S)	79	%.	50-150	1	10/04/21 11:18	10/11/21 18:17	84-15-1	
n-Triacontane (S)	80	%.	50-150	1	10/04/21 11:18	10/11/21 18:17		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.80**	ug/L	0.50	1	10/06/21 11:17	10/08/21 02:11	7440-38-2	

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.: 10581280

Sample: YVS-3-20210928 **Lab ID: 10581280008** Collected: 09/28/21 14:15 Received: 09/30/21 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	**0.56**	mg/L	0.40	1	10/04/21 11:18	10/06/21 19:48	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	10/04/21 11:18	10/06/21 19:48		
Surrogates								
o-Terphenyl (S)	87	%.	50-150	1	10/04/21 11:18	10/06/21 19:48	84-15-1	
n-Triacontane (S)	90	%.	50-150	1	10/04/21 11:18	10/06/21 19:48		
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	10/04/21 11:18	10/11/21 18:28	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	10/04/21 11:18	10/11/21 18:28	64742-65-0	
Surrogates								
o-Terphenyl (S)	76	%.	50-150	1	10/04/21 11:18	10/11/21 18:28	84-15-1	
n-Triacontane (S)	78	%.	50-150	1	10/04/21 11:18	10/11/21 18:28		
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Benzene	ND	ug/L	1.00	1	10/08/21 21:12	10/08/21 21:12	71-43-2	
Tetrachloroethene	**1.35**	ug/L	1.00	1	10/08/21 21:12	10/08/21 21:12	127-18-4	
Surrogates								
Toluene-d8 (S)	101	%	80.0-120	1	10/08/21 21:12	10/08/21 21:12	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75.0-120	1	10/08/21 21:12	10/08/21 21:12	460-00-4	
1,2-Dichloroethane-d4 (S)	97.5	%	80.0-125	1	10/08/21 21:12	10/08/21 21:12	17060-07-0	

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.: 10581280

Sample: YVS-3-60-20210928 **Lab ID: 10581280009** Collected: 09/28/21 15:00 Received: 09/30/21 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	10/04/21 11:18	10/06/21 20:09	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	10/04/21 11:18	10/06/21 20:09		
Surrogates								
o-Terphenyl (S)	88	%.	50-150	1	10/04/21 11:18	10/06/21 20:09	84-15-1	
n-Triacontane (S)	92	%.	50-150	1	10/04/21 11:18	10/06/21 20:09		
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	10/04/21 11:18	10/11/21 18:50	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	10/04/21 11:18	10/11/21 18:50	64742-65-0	
Surrogates								
o-Terphenyl (S)	86	%.	50-150	1	10/04/21 11:18	10/11/21 18:50	84-15-1	
n-Triacontane (S)	88	%.	50-150	1	10/04/21 11:18	10/11/21 18:50		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.70**	ug/L	0.50	1	10/06/21 11:17	10/08/21 02:14	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**15.1**	ug/L	1.00	1	10/08/21 21:36	10/08/21 21:36	127-18-4	
Surrogates								
Toluene-d8 (S)	102	%	80.0-120	1	10/08/21 21:36	10/08/21 21:36	2037-26-5	
4-Bromofluorobenzene (S)	99.2	%	75.0-120	1	10/08/21 21:36	10/08/21 21:36	460-00-4	
1,2-Dichloroethane-d4 (S)	99.6	%	80.0-125	1	10/08/21 21:36	10/08/21 21:36	17060-07-0	

Pace Analytical Services, LLC
1700 Elm Street
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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10581280

Sample: YVS-3-90-20210928 **Lab ID: 10581280010** Collected: 09/28/21 15:40 Received: 09/30/21 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	10/04/21 11:18	10/06/21 20:20	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	10/04/21 11:18	10/06/21 20:20		
Surrogates								
o-Terphenyl (S)	84	%.	50-150	1	10/04/21 11:18	10/06/21 20:20	84-15-1	
n-Triacontane (S)	91	%.	50-150	1	10/04/21 11:18	10/06/21 20:20		
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	10/04/21 11:18	10/11/21 19:01	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	10/04/21 11:18	10/11/21 19:01	64742-65-0	
Surrogates								
o-Terphenyl (S)	74	%.	50-150	1	10/04/21 11:18	10/11/21 19:01	84-15-1	
n-Triacontane (S)	79	%.	50-150	1	10/04/21 11:18	10/11/21 19:01		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	**0.92**	ug/L	0.50	1	10/06/21 11:17	10/08/21 02:18	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**1.51**	ug/L	1.00	1	10/08/21 22:00	10/08/21 22:00	127-18-4	
Surrogates								
Toluene-d8 (S)	101	%	80.0-120	1	10/08/21 22:00	10/08/21 22:00	2037-26-5	
4-Bromofluorobenzene (S)	98.6	%	75.0-120	1	10/08/21 22:00	10/08/21 22:00	460-00-4	
1,2-Dichloroethane-d4 (S)	98.8	%	80.0-125	1	10/08/21 22:00	10/08/21 22:00	17060-07-0	

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.: 10581280

Sample: MW-6-20210928 **Lab ID: 10581280011** Collected: 09/28/21 16:30 Received: 09/30/21 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	10/04/21 11:18	10/06/21 20:31	68334-30-5	
Motor Oil Range	ND	mg/L	0.40	1	10/04/21 11:18	10/06/21 20:31		
Surrogates								
o-Terphenyl (S)	81	%.	50-150	1	10/04/21 11:18	10/06/21 20:31	84-15-1	
n-Triacontane (S)	82	%.	50-150	1	10/04/21 11:18	10/06/21 20:31		
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	10/04/21 11:18	10/11/21 19:12	68334-30-5	
Motor Oil Range SG	ND	mg/L	0.40	1	10/04/21 11:18	10/11/21 19:12	64742-65-0	
Surrogates								
o-Terphenyl (S)	72	%.	50-150	1	10/04/21 11:18	10/11/21 19:12	84-15-1	
n-Triacontane (S)	71	%.	50-150	1	10/04/21 11:18	10/11/21 19:12		
200.8 MET ICPMS, Dissolved	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Arsenic, Dissolved	ND	ug/L	0.50	1	10/06/21 11:17	10/08/21 02:21	7440-38-2	
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Tetrachloroethene	**1.35**	ug/L	1.00	1	10/08/21 22:24	10/08/21 22:24	127-18-4	
Surrogates								
Toluene-d8 (S)	103	%	80.0-120	1	10/08/21 22:24	10/08/21 22:24	2037-26-5	
4-Bromofluorobenzene (S)	99.1	%	75.0-120	1	10/08/21 22:24	10/08/21 22:24	460-00-4	
1,2-Dichloroethane-d4 (S)	98.7	%	80.0-125	1	10/08/21 22:24	10/08/21 22:24	17060-07-0	

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ANALYTICAL RESULTS

Project: Yakima Valley Spray
Pace Project No.: 10581280

Sample: TB-20210928 **Lab ID: 10581280012** Collected: 09/28/21 06:00 Received: 09/30/21 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
VOA (GC/MS) 8260D	Analytical Method: EPA 8260D Preparation Method: 8260D Pace National - Mt. Juliet							
Benzene	ND	ug/L	1.00	1	10/08/21 16:02	10/08/21 16:02	71-43-2	
Tetrachloroethene	ND	ug/L	1.00	1	10/08/21 16:02	10/08/21 16:02	127-18-4	
Surrogates								
Toluene-d8 (S)	100	%	80.0-120	1	10/08/21 16:02	10/08/21 16:02	2037-26-5	
4-Bromofluorobenzene (S)	99.3	%	75.0-120	1	10/08/21 16:02	10/08/21 16:02	460-00-4	
1,2-Dichloroethane-d4 (S)	99.5	%	80.0-125	1	10/08/21 16:02	10/08/21 16:02	17060-07-0	

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

QUALITY CONTROL DATA

Project: Yakima Valley Spray
Pace Project No.: 10581280

QC Batch: 775008
QC Batch Method: NWTPH-Gx
Analysis Method: NWTPH-Gx
Analysis Description: NWTPH-Gx Water
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10581280005, 10581280006

METHOD BLANK: 4127968 Matrix: Water
Associated Lab Samples: 10581280005, 10581280006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH as Gas	ug/L	ND	100	10/07/21 02:13	
a,a,a-Trifluorotoluene (S)	%.	88	50-150	10/07/21 02:13	

LABORATORY CONTROL SAMPLE & LCSD: 4127970 4127971

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	846	964	85	96	75-127	13	20	
a,a,a-Trifluorotoluene (S)	%.				91	91	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4127972 4127973

Parameter	Units	10581280006 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	933	940	90	91	71-139	1	30	
a,a,a-Trifluorotoluene (S)	%.						90	93	50-150			

SAMPLE DUPLICATE: 4128726

Parameter	Units	10580116001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1340	1300	3	30	G+,H1,HS
a,a,a-Trifluorotoluene (S)	%.	89	89			

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.: 10581280

QC Batch: 774549
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: 10581280001, 10581280002, 10581280003, 10581280004, 10581280005, 10581280006, 10581280007, 10581280009, 10581280010, 10581280011

METHOD BLANK: 4125466 Matrix: Water
Associated Lab Samples: 10581280001, 10581280002, 10581280003, 10581280004, 10581280005, 10581280006, 10581280007, 10581280009, 10581280010, 10581280011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	0.50	10/08/21 01:27	

LABORATORY CONTROL SAMPLE: 4125467

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4125468 4125469

Parameter	Units	10581280006 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	0.60	100	100	102	99.6	101	99	70-130	2	20	

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.: 10581280

QC Batch: 1753957
QC Batch Method: 8260D
Analysis Method: EPA 8260D
Analysis Description: VOA (GC/MS) 8260D
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10581280008, 10581280009, 10581280010, 10581280011, 10581280012

METHOD BLANK: R3714728-4 Matrix: Water
Associated Lab Samples: 10581280008, 10581280009, 10581280010, 10581280011, 10581280012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.00	10/08/21 15:14	
Tetrachloroethene	ug/L	ND	1.00	10/08/21 15:14	
1,2-Dichloroethane-d4 (S)	%	98.2	80.0-125	10/08/21 15:14	
4-Bromofluorobenzene (S)	%	98.6	75.0-120	10/08/21 15:14	
Toluene-d8 (S)	%	101	80.0-120	10/08/21 15:14	

LABORATORY CONTROL SAMPLE & LCSD: R3714728-1 R3714728-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	40.0	42.5	44.8	106	112	79.0-120	5.27	20	
Tetrachloroethene	ug/L	40.0	44.4	46.6	111	117	78.0-122	4.84	20	
1,2-Dichloroethane-d4 (S)	%				99.6	102	80.0-125			
4-Bromofluorobenzene (S)	%				102	102	75.0-120			
Toluene-d8 (S)	%				99.6	101	80.0-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3714728-5 R3714728-6

Parameter	Units	10581280008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	0.344	40.0	40.0	45.0	44.8	112	111	75.0-125	0.445	30	
Tetrachloroethene	ug/L	1.35	40.0	40.0	46.7	46.8	113	114	68.0-126	0.214	30	
1,2-Dichloroethane-d4 (S)	%						99.0	99.1	80.0-125			
4-Bromofluorobenzene (S)	%						99.3	100	75.0-120			
Toluene-d8 (S)	%						100	101	80.0-120			

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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.: 10581280

QC Batch: 1753968
QC Batch Method: 8260D
Analysis Method: EPA 8260D
Analysis Description: VOA (GC/MS) 8260D
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10581280001, 10581280002, 10581280003, 10581280004, 10581280005, 10581280006

METHOD BLANK: R3714538-4 Matrix: Water
Associated Lab Samples: 10581280001, 10581280002, 10581280003, 10581280004, 10581280005, 10581280006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.00	10/08/21 14:54	
1,2-Dichloroethane-d4 (S)	%	111	80.0-125	10/08/21 14:54	
4-Bromofluorobenzene (S)	%	100	75.0-120	10/08/21 14:54	
Toluene-d8 (S)	%	101	80.0-120	10/08/21 14:54	

LABORATORY CONTROL SAMPLE & LCSD: R3714538-1 R3714538-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Tetrachloroethene	ug/L	40.0	37.9	38.9	94.8	97.3	78.0-122	2.60	20	
1,2-Dichloroethane-d4 (S)	%				99.1	99.8	80.0-125			
4-Bromofluorobenzene (S)	%				102	100	75.0-120			
Toluene-d8 (S)	%				98.0	98.5	80.0-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3714538-5 R3714538-6

Parameter	Units	10581280006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Tetrachloroethene	ug/L	5.13	40.0	40.0	44.5	43.2	98.4	95.2	68.0-126	2.96	30	
1,2-Dichloroethane-d4 (S)	%						102	100	80.0-125			
4-Bromofluorobenzene (S)	%						101	104	75.0-120			
Toluene-d8 (S)	%						99.2	99.1	80.0-120			

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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.: 10581280

QC Batch: 774333
QC Batch Method: EPA Mod. 3510C
Analysis Method: EPA 8081B
Analysis Description: 8081B GCS Pesticides
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10581280006

METHOD BLANK: 4124423 Matrix: Water
Associated Lab Samples: 10581280006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDT	ug/L	ND	0.10	10/08/21 23:27	
Aldrin	ug/L	ND	0.050	10/08/21 23:27	
beta-BHC	ug/L	ND	0.050	10/08/21 23:27	
Dieldrin	ug/L	ND	0.10	10/08/21 23:27	
gamma-BHC (Lindane)	ug/L	ND	0.050	10/08/21 23:27	
Decachlorobiphenyl (S)	%.	87	30-135	10/08/21 23:27	
Tetrachloro-m-xylene (S)	%.	86	34-129	10/08/21 23:27	

LABORATORY CONTROL SAMPLE: 4124424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDT	ug/L	1	0.93	93	64-133	
Aldrin	ug/L	0.5	0.41	82	36-132	
beta-BHC	ug/L	0.5	0.44	89	63-125	
Dieldrin	ug/L	1	0.91	91	63-129	
gamma-BHC (Lindane)	ug/L	0.5	0.45	90	62-126	
Decachlorobiphenyl (S)	%.			86	30-135	
Tetrachloro-m-xylene (S)	%.			85	34-129	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4124425 4124426

Parameter	Units	10581280006 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	0.95	0.61	0.55	64	58	70-130	10	20	M1
Aldrin	ug/L	ND	0.48	0.48	0.24	0.22	51	47	70-130	8	20	M1
beta-BHC	ug/L	ND	0.48	0.48	0.33	0.29	69	61	70-130	12	20	M1
Dieldrin	ug/L	ND	0.95	0.95	0.58	0.52	61	55	70-130	11	20	M1
gamma-BHC (Lindane)	ug/L	ND	0.48	0.48	0.36	0.32	76	68	70-130	12	20	M1
Decachlorobiphenyl (S)	%.						50	48	30-135			
Tetrachloro-m-xylene (S)	%.						75	72	34-129			

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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.: 10581280

QC Batch: 774290
QC Batch Method: EPA Mod. 3510C
Analysis Method: NWTPH-Dx
Analysis Description: NWTPH-Dx GCS LV
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10581280001, 10581280002, 10581280003, 10581280004, 10581280005, 10581280006, 10581280007, 10581280008, 10581280009, 10581280010, 10581280011

METHOD BLANK: 4124271 Matrix: Water
Associated Lab Samples: 10581280001, 10581280002, 10581280003, 10581280004, 10581280005, 10581280006, 10581280007, 10581280008, 10581280009, 10581280010, 10581280011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range	mg/L	ND	0.40	10/06/21 17:49	
Motor Oil Range	mg/L	ND	0.40	10/06/21 17:49	
n-Triacontane (S)	%.	79	50-150	10/06/21 17:49	
o-Terphenyl (S)	%.	76	50-150	10/06/21 17:49	

LABORATORY CONTROL SAMPLE: 4124272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range	mg/L	2	1.5	75	50-150	
Motor Oil Range	mg/L	2	1.6	80	50-150	
n-Triacontane (S)	%.			77	50-150	
o-Terphenyl (S)	%.			72	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4124274 4124275

Parameter	Units	10581280006 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	0.80	2	2	2.6	2.0	89	59	50-150	26	30	
Motor Oil Range	mg/L	ND	2	2	2.1	1.7	87	67	50-150	22	30	
n-Triacontane (S)	%.						78	57	50-150			
o-Terphenyl (S)	%.						75	59	50-150			

SAMPLE DUPLICATE: 4124677

Parameter	Units	10581280008 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/L	0.56	0.52	6	30	
Motor Oil Range	mg/L	ND	.34J		30	
n-Triacontane (S)	%.	90	68			
o-Terphenyl (S)	%.	87	74			

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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.: 10581280

QC Batch: 774283
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: 10581280001, 10581280002, 10581280003, 10581280004, 10581280005, 10581280006, 10581280007, 10581280008, 10581280009, 10581280010, 10581280011

METHOD BLANK: 4124248 Matrix: Water
Associated Lab Samples: 10581280001, 10581280002, 10581280003, 10581280004, 10581280005, 10581280006, 10581280007, 10581280008, 10581280009, 10581280010, 10581280011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Fuel Range SG	mg/L	ND	0.40	10/11/21 16:29	
Motor Oil Range SG	mg/L	ND	0.40	10/11/21 16:29	
n-Triacontane (S)	%.	69	50-150	10/11/21 16:29	
o-Terphenyl (S)	%.	66	50-150	10/11/21 16:29	

LABORATORY CONTROL SAMPLE: 4124249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range SG	mg/L	2	1.3	67	50-150	
Motor Oil Range SG	mg/L	2	1.3	67	50-150	
n-Triacontane (S)	%.			69	50-150	
o-Terphenyl (S)	%.			65	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4124252 4124253

Parameter	Units	10581280006 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	1.6	1.3	81	63	50-150	26	30	
Motor Oil Range SG	mg/L	ND	2	2	1.5	1.2	72	58	50-150	21	30	
n-Triacontane (S)	%.						71	51	50-150			
o-Terphenyl (S)	%.						69	53	50-150			

SAMPLE DUPLICATE: 4124675

Parameter	Units	10581280008 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range SG	mg/L	ND	ND		30	
Motor Oil Range SG	mg/L	ND	ND		30	
n-Triacontane (S)	%.	78	65			
o-Terphenyl (S)	%.	76	71			

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.: 10581280

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.

WORKORDER QUALIFIERS

WO: 10581280

[1]

ANALYTE QUALIFIERS

G+	Late peaks present outside the GRO window.
H1	Analysis conducted outside the recognized method holding time.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
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.: 10581280

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10581280006	YVS-2-20210928	EPA Mod. 3510C	774333	EPA 8081B	775680
10581280001	BG-60-20210928	EPA Mod. 3510C	774290	NWTPH-Dx	774810
10581280002	BG-601-20210928	EPA Mod. 3510C	774290	NWTPH-Dx	774810
10581280003	BG-90-20210928	EPA Mod. 3510C	774290	NWTPH-Dx	774810
10581280004	MW-12-20210928	EPA Mod. 3510C	774290	NWTPH-Dx	774810
10581280005	YVS-1B-20210928	EPA Mod. 3510C	774290	NWTPH-Dx	774810
10581280006	YVS-2-20210928	EPA Mod. 3510C	774290	NWTPH-Dx	774810
10581280007	YS-1-20210928	EPA Mod. 3510C	774290	NWTPH-Dx	774810
10581280008	YVS-3-20210928	EPA Mod. 3510C	774290	NWTPH-Dx	774810
10581280009	YVS-3-60-20210928	EPA Mod. 3510C	774290	NWTPH-Dx	774810
10581280010	YVS-3-90-20210928	EPA Mod. 3510C	774290	NWTPH-Dx	774810
10581280011	MW-6-20210928	EPA Mod. 3510C	774290	NWTPH-Dx	774810
10581280001	BG-60-20210928	EPA Mod. 3510C	774283	NWTPH-Dx	776005
10581280002	BG-601-20210928	EPA Mod. 3510C	774283	NWTPH-Dx	776005
10581280003	BG-90-20210928	EPA Mod. 3510C	774283	NWTPH-Dx	776005
10581280004	MW-12-20210928	EPA Mod. 3510C	774283	NWTPH-Dx	776005
10581280005	YVS-1B-20210928	EPA Mod. 3510C	774283	NWTPH-Dx	776005
10581280006	YVS-2-20210928	EPA Mod. 3510C	774283	NWTPH-Dx	776005
10581280007	YS-1-20210928	EPA Mod. 3510C	774283	NWTPH-Dx	776005
10581280008	YVS-3-20210928	EPA Mod. 3510C	774283	NWTPH-Dx	776005
10581280009	YVS-3-60-20210928	EPA Mod. 3510C	774283	NWTPH-Dx	776005
10581280010	YVS-3-90-20210928	EPA Mod. 3510C	774283	NWTPH-Dx	776005
10581280011	MW-6-20210928	EPA Mod. 3510C	774283	NWTPH-Dx	776005
10581280005	YVS-1B-20210928	NWTPH-Gx	775008		
10581280006	YVS-2-20210928	NWTPH-Gx	775008		
10581280001	BG-60-20210928	EPA 200.8	774549	EPA 200.8	775265
10581280002	BG-601-20210928	EPA 200.8	774549	EPA 200.8	775265
10581280003	BG-90-20210928	EPA 200.8	774549	EPA 200.8	775265
10581280004	MW-12-20210928	EPA 200.8	774549	EPA 200.8	775265
10581280005	YVS-1B-20210928	EPA 200.8	774549	EPA 200.8	775265
10581280006	YVS-2-20210928	EPA 200.8	774549	EPA 200.8	775265
10581280007	YS-1-20210928	EPA 200.8	774549	EPA 200.8	775265
10581280009	YVS-3-60-20210928	EPA 200.8	774549	EPA 200.8	775265
10581280010	YVS-3-90-20210928	EPA 200.8	774549	EPA 200.8	775265
10581280011	MW-6-20210928	EPA 200.8	774549	EPA 200.8	775265
10581280001	BG-60-20210928	8260D	1753968	EPA 8260D	1753968
10581280002	BG-601-20210928	8260D	1753968	EPA 8260D	1753968
10581280003	BG-90-20210928	8260D	1753968	EPA 8260D	1753968
10581280004	MW-12-20210928	8260D	1753968	EPA 8260D	1753968
10581280005	YVS-1B-20210928	8260D	1753968	EPA 8260D	1753968
10581280006	YVS-2-20210928	8260D	1753968	EPA 8260D	1753968
10581280008	YVS-3-20210928	8260D	1753957	EPA 8260D	1753957
10581280009	YVS-3-60-20210928	8260D	1753957	EPA 8260D	1753957
10581280010	YVS-3-90-20210928	8260D	1753957	EPA 8260D	1753957
10581280011	MW-6-20210928	8260D	1753957	EPA 8260D	1753957
10581280012	TB-20210928	8260D	1753957	EPA 8260D	1753957

REPORT OF LABORATORY ANALYSIS

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.: 10581280

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch

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:	2062879130 Fax:
Requested Due Date/TAT:	10 Day (Standard)

Section B — Required Project Information:

Report To:	CINDY FIELDS
Copy To:	NBACHER@ANCHORQEA.COM
Purchase Order No.	
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

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	Dissolved Arsenic (Field Filtered)	PCE by 8260	Benzene by 8260	NWTPH-Gx	*Pesticides by 8081	Residual Chlorine (Y/N)
1	BG-60-20210928	WT	G	9-28-21	0745				6			X	X						X	X	X	X					
2	BG-60I-20210928				0750				6			X	X						X	X	X	X					
3	BG-90-20210928				0840				6			X	X						X	X	X	X					
4	MW-12-20210928				0940				6			X	X						X	X	X	X					
5	YVS-1B-20210928				1055				9			X	X						X	X	X	X		X			
6	YVS-2-20210928				1150				22	X		X	X						X	X	X	X		Y	X		MS/MSD
7	YS-1-20210928				1330				3			X	X						X	X	X						
8	YVS-3-20210928				1415				11				X						X	X		X	X				BENZENE MS/MSD
9	YVS-3-60-20210928				1500				6			X	X						X	X	X	X					
10	YVS-3-90-20210928				1540				6			X	X						X	X	X	X					
11	MW-6-20210928				1630				6			X	X						X	X	X	X					
12	TB-20210928	WT	G	9-28-21	0600				4													Y	X				

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 SMITH / AQ	9-29-21	1330	/ PACE	9/30/21	850	1.6, 1.5, 2.8	Y	Y	Y
							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 SMITH

SIGNATURE of SAMPLER: STEPHEN SMITH

DATE Signed: 9-29-21

WO# : 10581280

10581280

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR) - MN**	Document Revised: 14Apr2021 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0150 Rev.02**	Pace Analytical Services - **Minneapolis**

Condition Receipt

Client Name: ANCHOR QEA LLC

Project #: **WO#: 10581280**

PM: JMG **Due Date: 10/14/21**

CLIENT: ANCHOR QEA

☒ Fed.Ex ☐ UPS ☐ USPS ☐ Client
☐ Pace ☐ SpeeDee ☐ Commercial

g Number: _____ See Exceptions ☒ ENV-FRM-MIN4-0142

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

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

ometer: ☐ T1(0461) ☐ T2(1336) ☐ T3(0459) ☐ OS418-LS ☒ T4(0254) ☐ T5(0489) ☐ 160285052 **Type of Ice:** ☒ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

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

ould be above freezing to 6°C **Cooler Temp Read w/temp blank:** 2.8, 1.0, 1.5 °C

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

tion Factor: TMC **Cooler Temp Corrected w/temp blank:** 2.8, 1.0, 1.5 °C

Regulated Soil: (☐ N/A, water sample/Other: _____)

mples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, 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

Date/Initials of Person Examining Contents: ED 10/11/21

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				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.
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?	☒ Yes	☐ No		11. **If no, write ID/ Date/Time on Container Below:** **See Exception** ☐ ENV-FRM-MIN4-0142
Matrix: ☒ Water ☐ Soil ☐ Oil ☐ Other _____				
All containers needing acid/base preservation have been checked?	☒ Yes	☐ No	☐ N/A	12. Sample # 001-007, 009-011
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 001-005, 007, 009-011: 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 006: 2/2 **pH Paper Lot#** **See Exception** ☐ ENV-FRM-MIN4-0142
				Res. Chlorine | 0-6 Roll 221419 | 0-6 Strip | 0-14 Strip
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): 319863 (4)
Trip Blank Custody Seals Present?	☒ Yes	☐ No	☐ N/A	

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____ **Field Data Required?** ☐ Yes ☐ No

Comments/Resolution: _____

Project Manager Review: JENNI GROSS **Date:** 10/01/21

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: _____

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	
515015967450	2.8
515015967449	1.0
515015967438	1.5

Issue Type: Sample ID	Container Type	# of Containers

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:

Internal Transfer Chain of Custody

SHORT HOLD!

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WA
Cert. Needed: [X] Yes ☐ No
Owner Received Date: 9/30/2021 Results Requested By: 10/14/2021

Workorder: 10581280 **Workorder Name:** Yakima Valley Spray

Report To	Subcontract To
Jennifer Gross Pace Analytical Minnesota 1700 Elm Street Minneapolis, MN 55414 Phone (612)607-1700	Pace Sacramento 660 Bercut Drive, Suite C Sacramento, CA 95811 Phone (530) 341-1222

L1415269

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: VG9H (HCl)	8260D Benzene and PCE (MS/MSD)	8260D Benzene and PCE	8260D PCE (MS/MSD)	8260D PCE	LAB USE ONLY
1	BG-60-20210928	PS	9/28/2021 07:45	10581280001	Water	3				X	-01
2	BG-601-20210928	PS	9/28/2021 07:50	10581280002	Water	3				X	-02
3	BG-90-20210928	PS	9/28/2021 08:40	10581280003	Water	3				X	-03
4	MW-12-20210928	PS	9/28/2021 09:40	10581280004	Water	3				X	-04
5	YVS-1B-20210928	PS	9/28/2021 10:55	10581280005	Water	3				X	-05
6	YVS-2-20210928	RQS	9/28/2021 11:50	10581280006	Water	6			X	X	-06
7	YVS-3-20210928	RQS	9/28/2021 14:15	10581280008	Water	9	X	X			-07
8	YVS-3-60-20210928	PS	9/28/2021 15:00	10581280009	Water	3				X	-08
9	YVS-3-90-20210928	PS	9/28/2021 15:40	10581280010	Water	3				X	-09
10	MW-6-20210928	PS	9/28/2021 16:30	10581280011	Water	3				X	-10
11	TB-20210928	PS	9/28/2021 06:00	10581280012	Water	2		X			-11

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature] Pace	10/7/21 1600	[signature] pace	10/8/21 0948
2				
3				

Comments

Cooler Temperature on Receipt 2.0 °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.*

Pace Analytical®
National Center for Testing & Innovation

Cooler Receipt Form

Cooler Receipt Form

Client: Pace MN		SDG#	21415269
Cooler Received/Opened On: 10/8/2021	Temperature:	Read	Corrected
Received by: David Ramirez		2.2 °C	2.0 °C
Signature: D R			
Tracking #: 5150 1597 0879			

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?		✓	
COC Signed / Accurate?		✓	
Sampler name indicated on COC		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?		✓	
Preservation Correct / Checked?			

Quarter 4

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206.287.9130

ANCHOR QEA

Data Validation Report – EPA Stage 2A

January 12, 2022

Project: Yakima Valley Spray/U-Haul Facility Groundwater Monitoring

Project Number: 192024-01.01

Validation ID: AQ-2022-000003

This report summarizes the review of analytical results for ten water samples, one field duplicate, and one trip blank sample collected on November 22, 2021. 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 10589012 was reviewed in this report. Sample IDs, matrices, and analyses are presented in Table 1.

Table 1
Location IDs, Matrix, and Analyses

Location ID	Pace Sample ID	Matrix	Analyses
Trip blank	10589012001	Water	VOCs
BG-60	10589012002	Water	TPH-DRO, TPH-MRO, VOCs, metals
BG-60 (FD)	10589012003	Water	TPH-DRO, TPH-MRO, VOCs, metals
BG-90	10589012004	Water	TPH-DRO, TPH-MRO, VOCs, metals
MW-12	10589012005	Water	TPH-DRO, TPH-MRO, VOCs, metals
YVS-1B	10589012006	Water	TPH-DRO, TPH-MRO, TPH-GRO, VOCs, metals
YVS-2	10589012007	Water	Pesticides, VOCs, TPH-DRO, TPH-MRO, TPH-GRO, metals

YS-1	10589012008	Water	TPH-DRO, TPH-MRO, metals
YVS-3-60-20211122	10589012009	Water	TPH-DRO, TPH-MRO, VOCs, metals
YVS-3-90	10589012010	Water	TPH-DRO, TPH-MRO, VOCs, metals
YVS-3	10589012011	Water	TPH-DRO, TPH-MRO, VOCs
MW-6-	10589012012	Water	TPH-DRO, TPH-MRO, VOCs, metals

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. 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	BG-60-20210928	BG-601-20210928	RPD	Difference	Difference CL
Dissolved arsenic	0.51 µg/L	0.53 µg/L	--	0.02 µg/L	0.50 µg/L
Tetrachloroethene (PCE)	12.2 µg/L	12.3 µg/L	1%	--	--

Notes:
--: not applicable
µg/L: micrograms per liter
RPD: relative percent difference
CL: control limit

Surrogates

Surrogate standards were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory control limits except for n-triacontane in the TPH-DRO and TPH-MRO analysis of samples YVS-1B-20211122 and YVS-3-20211122 analyzed on November 29, 2021. Results were qualified "UJ" to indicate a potentially low bias.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) 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 project control limits.

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. Results that were less than five times the RL were evaluated by the difference between them using the control limit of ± RL. Laboratory duplicate RPD or difference values were within project-required control limits.

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/LCSD and MS/MSD recovery values. Precision was acceptable as demonstrated by the laboratory duplicate, field duplicate, LCS/LCSD and MS/MSD RPD values or difference values. All data are acceptable as reported or qualified.

See Table 3 for a summary of qualified data.

Data Qualifier Definitions

UJ Indicates the compound or analyte 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-3-20211122	TPH-Dx	MRO	0.40U mg/L	0.40UJ mg/L	Surrogate %R value below CL
		DRO	0.40U mg/L	0.40UJ mg/L	
YVS-1B-20211122	TPH-Dx	DRO	0.45U mg/L	0.45UJ mg/L	Surrogate %R value below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		MRO	0.45U mg/L	0.45UJ mg/L	

Notes:
%R: percent recovery
CL: control limit
mg/L: milligram per liter

References

USEPA (U.S. Environmental Protection Agency), 986. *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.

Appendix D
Data Validation Report

Quarter 1

1201 3rd Avenue, Suite 2600
Seattle, Washington 98101
206.287.9130

ANCHOR QEA

Data Validation Report – EPA Stage 2A

May 13, 2021

Project: Yakima Valley Spray/U-Haul Facility Groundwater Monitoring

Project Number: 192024-01.01

Validation ID: AQ-2021-000010

This report summarizes the review of analytical results for 10 water samples, one field duplicate, and one trip blank sample collected on March 16, 2021. The samples were collected by Anchor QEA, LLC, and submitted to Pace Analytical Services, LLC. (Pace), in Minneapolis, Minnesota, and Pace National, Mt. Juliet. 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) and diesel range organics (DRO) and motor-oil range organics (MRO) by Northwest (NW) TPH methods NWTPH-Gx and NWTPH-Dx
- Dissolved metals by USEPA Method 200.8
- Volatile organic compounds (VOCs) by USEPA Method 8260D

Pace sample data group (SDG) number 10551531 was reviewed in this report. Sample IDs, matrices, and analyses are presented in Table 1.

Table 1
Sample IDs, Matrices, and Analyses

Location ID	Pace Sample ID	Matrix	Analyses
BG-60 (FD)	10551531003	Water	TPH, VOCs, metals
BG-60	10551531002	Water	TPH, VOCs, metals
BG-90	10551531001	Water	TPH, VOCs, metals
MW-12	10551531006	Water	TPH, VOCs, metals
MW-6	10551531011	Water	TPH, VOCs, metals
Trip Blank	10551531012	Water	VOCs
YS-1	10551531007	Water	TPH, metals
YVS-1b	10551531004	Water	TPH, TPHG, VOCs, metals
YVS-2	10551531005	Water	TPHG, VOCs, metals, pesticides
YVS-3	10551531008	Water	TPH, VOCs
YVS-3-60	10551531009	Water	TPH, VOCs, metals
YVS-3-90	10551531010	Water	TPH, VOCs, metals

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 Superfund Organic Methods Data Review* (USEPA 2017a)
- *National Functional Guidelines for Inorganic Superfund Data Review* (USEPA 2017b)

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. No target analytes were detected in the trip blank.

Field Duplicates

One field duplicate was collected in association with this sample set. All RPD values were within control limits.

Detected results are summarized in Table 2.

Table 2
Field Duplicate Summary

Analyte	PARENT	DUPLICATE	RPD	Difference	Difference CL
Dissolved arsenic	0.54 ug/L	0.54 ug/L	--	0.02 ug/L	1 ug/L
Tetrachloroethene (PCE)	13.6 ug/L	13.6 ug/L	3%	--	--

Notes:
--: not applicable
µg/L: micrograms per liter
RPD: relative percent difference
CL: control limit

Surrogates

Surrogate standards were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory control limits except for the surrogates for the silica gel cleaned up TPH-Dx analysis on samples BG-90-20210316 and BG-60-20210316. Data were not qualified since non-silica gel cleaned up samples were also non-detect for target analytes.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory-required control limits except for the RPD for MRO in sample batch 733818 which was above the laboratory control limit. Associated batch sample results were qualified "UJ" to indicate low bias.

Matrix Spike and Matrix Spike Duplicate Samples

Matrix spike (MS) and matrix spike duplicate (MSD) samples were analyzed at the required frequency, or LCS/LCSDs were analyzed in their place except for pesticides which were not indicated on the COC at the time of sample receipt. The associated parent sample results were non-detect so data are not expected to be impacted. All MS/MSD recoveries and MS/MSD RPDs were within project control limits.

Laboratory Duplicates

Laboratory duplicates were analyzed for TPHDx and TPHGx. RPDs were in control for all project samples.

The laboratory flagged the GRO result for sample YVS-2-20210316 due to integrated peak presence outside the GRO window. This result has been qualified "J" to indicate it is estimated.

See Table 3 for a summary of qualified data.

Method Reporting Limits

RLs were acceptable as reported. All values were reported using the laboratory RLs. Values were reported as undiluted, or when reported as diluted, the RL accurately reflects the dilution factor.

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/LCSD and MS/MSD recovery values, with the exceptions noted in the prior sections. Precision was acceptable as demonstrated by the laboratory duplicate, field duplicate, and MS/MSD RPD values or difference values. All data are acceptable as reported or qualified.

See Table 3 for a summary of qualified data.

Data Qualifier Definitions

UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.

J Indicates an estimated value

Table 3
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
BG-601-20210316	NWTPHDx	Oil range organics	0.42U mg/L	0.42UJ mg/L	LCS/LCSD RPD above CL
BG-60-20210316			0.41U mg/L	0.41UJ mg/L	
BG-90-20210316			0.41U mg/L	0.41UJ mg/L	
MW-12-20210316			0.42U mg/L	0.42UJ mg/L	
MW-6-20210316			0.42U mg/L	0.42UJ mg/L	
YS-1-20210316			0.41U mg/L	0.41UJ mg/L	
YVS-1b-20210316			0.42U mg/L	0.42UJ mg/L	

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
YVS-2-20210316	NWTPHGx	Total petroleum hydrocarbons	2300 ug/L	2300J ug/L	Integration outside analyte range
YVS-3-20210316	NWTPHDx	Oil range organics	0.42U mg/L	0.42UJ mg/L	LCS/LCSD RPD above CL
YVS-3-60-20210316			0.41U mg/L	0.41UJ mg/L	
YVS-3-90-20210316			0.42U mg/L	0.42UJ mg/L	

Notes:
CL: control limit
mg/L: milligrams per liter

References

USEPA (U.S. Environmental Protection Agency), 986. *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, 2017a. *National Functional Guidelines for Superfund Organic Methods Data Review*. Office of Superfund Remediation and Technology Innovation. EPA-540-R-2017-002. January 2017.

USEPA, 2017b. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. Office of Superfund Remediation and Technology Innovation. EPA-540-R-201 7-001. January 2017.

Quarter 2

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ANCHOR QEA

Data Validation Report – EPA Stage 2A

August 3, 2021

Project: Yakima Valley Spray/U-Haul Facility Groundwater Monitoring

Project Number: 192024-01.01

Validation ID: AQ-2021-000042

This report summarizes the review of analytical results for 10 water samples, two field duplicate, and one trip blank sample collected on June 15, 2021. The samples were collected by Anchor QEA, LLC, and submitted to Pace Analytical Services, LLC. (Pace), in Minneapolis, Minnesota, and Pace National, Mt. Juliet. 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) and diesel range organics (DRO) and motor-oil range organics (MRO) by Northwest (NW) TPH methods NWTPH-Gx and NWTPH-Dx
- Dissolved metals by USEPA Method 200.8
- Volatile organic compounds (VOCs) by USEPA Method 8260D

Pace sample data group (SDG) number 10566081 was reviewed in this report. Sample IDs, matrices, and analyses are presented in Table 1.

Table 1
Sample IDs, Matrices, and Analyses

Location ID	Pace Sample ID	Matrix	Analyses
BG-60 (FD)	10566081003	Water	TPH, VOCs, metals
BG-60	10566081002	Water	TPH, VOCs, metals
BG-90	10566081004	Water	TPH, VOCs, metals
MW-12	10566081005	Water	TPH, VOCs, metals
MW-6	10566081013	Water	TPH, VOCs, metals
Trip Blank	10566081001	Water	VOCs
YS-1	10566081009	Water	TPH, metals
YVS-1b	10566081006	Water	TPH, TPHG, VOCs, metals
YVS-2 (FD)	10566081008	Water	TPHG
YVS-2	10566081007	Water	TPHG, VOCs, metals, pesticides
YVS-3	10566081010	Water	TPH, VOCs
YVS-3-60	10566081011	Water	TPH, VOCs, metals
YVS-3-90	10566081012	Water	TPH, VOCs, metals

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 Superfund Organic Methods Data Review* (USEPA 2017a)
- *National Functional Guidelines for Inorganic Superfund Data Review* (USEPA 2017b)

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 but were not within the recommended temperature range. Since temperatures were below 10° C data are not expected to be impacted.

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 GRO. No target analytes were detected in the trip blank.

Field Duplicates

Two field duplicates were collected in association with this sample set. All RPD values were within control limits.

Detected results are summarized in Table 2.

Table 2
Field Duplicate Summary

Analyte	PARENT	DUPLICATE	RPD	Difference	Difference CL
Dissolved arsenic	0.65 ug/L	0.65 ug/L	--	0 ug/L	1 ug/L
Tetrachloroethene (PCE)	11.7 ug/L	11.7 ug/L	1%	--	--

Notes:
--: not applicable
µg/L: micrograms per liter
RPD: relative percent difference
CL: control limit

Surrogates

Surrogate standards were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory control limits except for the surrogates which were below laboratory control limits for the silica gel cleaned up TPH-Dx analysis on sample YVS-2-20210615. Data were qualified "J" to indicate they may be biased low.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) 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, or LCS/LCSDs were analyzed in their place except for pesticides which were not indicated on the COC at the time of sample receipt. The associated parent sample results were non-detect so data are not expected to be impacted. All MS/MSD recoveries and MS/MSD RPDs were within project control limits.

Laboratory Duplicates

Laboratory duplicates were analyzed at the required frequency. Laboratory duplicates analyzed on non-project samples were not evaluated. Results that were less than five times the RL were evaluated by the difference between them using the control limit of ± RL. Laboratory duplicate RPD or difference values were within project-required control limits.

Method Reporting Limits

RLs were acceptable as reported. All values were reported using the laboratory RLs. Values were reported as undiluted, or when reported as diluted, the RL accurately reflects the dilution factor.

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/LCSD and MS/MSD recovery values, with the exceptions noted in the prior sections. Precision was acceptable as demonstrated by the laboratory duplicate, field duplicate, and MS/MSD RPD values or difference values. All data are acceptable as reported or qualified.

See Table 3 for a summary of qualified data.

Data Qualifier Definitions

UJ Indicates the compound or analyte was analyzed for but not detected and the specified limit reported is estimated.

J Indicates an estimated value

Table 3
Data Qualification Summary

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
YVS-2-20210615	NWTPHDx	Diesel range hydrocarbons	0.41 mg/L	0.41J mg/L	
		Oil range organics	0.48 mg/L	0.48J mg/L	Surrogate below CL

Notes:
CL: control limit
mg/L: milligrams per liter

References

USEPA (U.S. Environmental Protection Agency), 986. *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, 2017a. *National Functional Guidelines for Superfund Organic Methods Data Review*. Office of Superfund Remediation and Technology Innovation. EPA-540-R-2017-002. January 2017.

USEPA, 2017b. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. Office of Superfund Remediation and Technology Innovation. EPA-540-R-201 7-001. January 2017.

Quarter 3

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ANCHOR QEA

Data Validation Report – EPA Stage 2A

November 11, 2021

Project: Yakima Valley Spray/U-Haul Facility Groundwater Monitoring

Project Number: 192024-01.01

Validation ID: AQ-2021-000061

This report summarizes the review of analytical results for ten water samples, one field duplicate, and one trip blank sample collected on September 28, 2021. The samples were collected by Anchor QEA, LLC, and submitted to Pace Analytical Services, LLC. (Pace), in Minneapolis, Minnesota, and Pace National, Mt. Juliet. 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 methods by 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 10581280 was reviewed in this report. Sample IDs, matrices, and analyses are presented in Table 1.

Table 1
Sample IDs, Matrices, and Analyses

Location ID	Pace Sample ID	Matrix	Analyses
BG-60 (FD)	10581280002	Water	TPH-DRO, TPH-MRO, VOCs, metals
BG-60	10581280001	Water	TPH-DRO, TPH-MRO, VOCs, metals
BG-90	10581280003	Water	TPH-DRO, TPH-MRO, VOCs, metals
MW-12	10581280004	Water	TPH-DRO, TPH-MRO, VOCs, metals
Trip Blank	10581280012	Water	VOCs
MW-6	10581280011	Water	TPH-DRO, TPH-MRO, VOCs, metals
YS-1	10581280007	Water	TPH-DRO, TPH-MRO, metals
YVS-1b	10581280005	Water	TPH-DRO, TPH-MRO, TPH-GRO, VOCs, metals

YVS-2	10581280006	Water	TPH-GRO, VOCs, metals, pesticides
YVS-3	10581280008	Water	TPH-DRO, TPH-MRO, VOCs
YVS-3-60	10581280009	Water	TPH-DRO, TPH-MRO, VOCs, metals
YVS-3-90	10581280010	Water	TPH-DRO, TPH-MRO, VOCs, metals

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 Superfund Organic 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. 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	BG-60-20210928	BG-601-20210928	RPD	Difference	Difference CL
Dissolved arsenic	0.51 ug/L	0.51 ug/L	--	0.0 ug/L	0.5 ug/L
Tetrachloroethene (PCE)	12.8 ug/L	13.1 ug/L	2%	--	--

Notes:
--: not applicable
µg/L: micrograms per liter
RPD: relative percent difference
CL: control limit

Surrogates

Surrogate standards were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory control limits.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) 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 project control limits except for several pesticides in the MS and/or MSD analyzed on the sample from location YVS-2 which had

recoveries below the laboratory control limits. Associated parent sample results were qualified "UJ" to indicate a potential low bias.

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. Results that were less than five times the RL were evaluated by the difference between them using the control limit of ± RL. Laboratory duplicate RPD or difference values were within project-required control limits.

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/LCSD and MS/MSD recovery values, with the exceptions noted in the prior sections. Precision was acceptable as demonstrated by the laboratory duplicate, field duplicate, and MS/MSD RPD values or difference values. All data are acceptable as reported or qualified.

See Table 3 for a summary of qualified data.

Data Qualifier Definitions

UJ Indicates the compound or analyte 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-2-20210928	Pesticides	Aldrin	0.048U ug/L	0.048UJ ug/L	MS/MSD %R below CL
		beta-BHC	0.048U ug/L	0.048UJ ug/L	MS/MSD %R below CL
		4,4'-DDT)	0.095U ug/L	0.095UJ ug/L	MS/MSD %R below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		gamma-BHC (Lindane)	0.048U ug/L	0.048UJ ug/L	MSD %R below CL
		Dieldrin	0.095U ug/L	0.095UJ ug/L	MS/MSD %R below CL

Notes:
%R: percent recovery
BHC: hexachlorocyclohexane
CL: control limit
ug/L: micrograms per liter

References

USEPA (U.S. Environmental Protection Agency), 986. *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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ANCHOR QEA

Data Validation Report – EPA Stage 2A

January 12, 2022

Project: Yakima Valley Spray/U-Haul Facility Groundwater Monitoring

Project Number: 192024-01.01

Validation ID: AQ-2022-000003

This report summarizes the review of analytical results for ten water samples, one field duplicate, and one trip blank sample collected on November 22, 2021. 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 10589012 was reviewed in this report. Sample IDs, matrices, and analyses are presented in Table 1.

Table 1
Location IDs, Matrix, and Analyses

Location ID	Pace Sample ID	Matrix	Analyses
Trip blank	10589012001	Water	VOCs
BG-60	10589012002	Water	TPH-DRO, TPH-MRO, VOCs, metals
BG-60 (FD)	10589012003	Water	TPH-DRO, TPH-MRO, VOCs, metals
BG-90	10589012004	Water	TPH-DRO, TPH-MRO, VOCs, metals
MW-12	10589012005	Water	TPH-DRO, TPH-MRO, VOCs, metals
YVS-1B	10589012006	Water	TPH-DRO, TPH-MRO, TPH-GRO, VOCs, metals
YVS-2	10589012007	Water	Pesticides, VOCs, TPH-DRO, TPH-MRO, TPH-GRO, metals

YS-1	10589012008	Water	TPH-DRO, TPH-MRO, metals
YVS-3-60-20211122	10589012009	Water	TPH-DRO, TPH-MRO, VOCs, metals
YVS-3-90	10589012010	Water	TPH-DRO, TPH-MRO, VOCs, metals
YVS-3	10589012011	Water	TPH-DRO, TPH-MRO, VOCs
MW-6-	10589012012	Water	TPH-DRO, TPH-MRO, VOCs, metals

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. 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	BG-60-20210928	BG-601-20210928	RPD	Difference	Difference CL
Dissolved arsenic	0.51 µg/L	0.53 µg/L	--	0.02 µg/L	0.50 µg/L
Tetrachloroethene (PCE)	12.2 µg/L	12.3 µg/L	1%	--	--

Notes:
--: not applicable
µg/L: micrograms per liter
RPD: relative percent difference
CL: control limit

Surrogates

Surrogate standards were analyzed at the required frequencies, and all analyses resulted in recovery values within laboratory control limits except for n-triacontane in the TPH-DRO and TPH-MRO analysis of samples YVS-1B-20211122 and YVS-3-20211122 analyzed on November 29, 2021. Results were qualified "UJ" to indicate a potentially low bias.

Laboratory Control Samples and Laboratory Control Sample Duplicates

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) 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 project control limits.

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. Results that were less than five times the RL were evaluated by the difference between them using the control limit of ± RL. Laboratory duplicate RPD or difference values were within project-required control limits.

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/LCSD and MS/MSD recovery values. Precision was acceptable as demonstrated by the laboratory duplicate, field duplicate, LCS/LCSD and MS/MSD RPD values or difference values. All data are acceptable as reported or qualified.

See Table 3 for a summary of qualified data.

Data Qualifier Definitions

UJ Indicates the compound or analyte 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-3-20211122	TPH-Dx	MRO	0.40U mg/L	0.40UJ mg/L	Surrogate %R value below CL
		DRO	0.40U mg/L	0.40UJ mg/L	
YVS-1B-20211122	TPH-Dx	DRO	0.45U mg/L	0.45UJ mg/L	Surrogate %R value below CL

Sample ID	Parameter	Analyte	Reported Result	Qualified Result	Reason
		MRO	0.45U mg/L	0.45UJ mg/L	

Notes:
%R: percent recovery
CL: control limit
mg/L: milligram per liter

References

USEPA (U.S. Environmental Protection Agency), 986. *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.