Remediation Management Services Company

201 Helios Way
Houston, TX 77079

281-800-7868
Jim.Schaeffer@bp.com

January 31, 2024

Ms. Rachel Caron
Washington State Department of Ecology
Central Regional Office
1250 West Alder Street Union Gap
WA 98903-0009

Subject: **Manhole 34 Facility (Consent Decree # 042014670) - 2023 Annual Site Status Report**
600-604 and 601 Yakima Valley Highway
Sunnyside, Washington 98944

Dear Ms Caron:

Remediation Management Services Company (RMSC) is pleased to submit this *2023 Annual Site Status Report* to document site activities conducted at the Manhole 34 Facility (site) in 2023. Work was completed in accordance with the 2004 Consent Decree and Cleanup Action Plan (CAP) [2001, Washington State Department of Ecology] (WDOE) unless otherwise noted. Results and findings from work completed at the site are summarized below and in the attached data tables and figures.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge at the present time. If you have any questions or comments regarding the contents of this report, please contact the Parsons representative Cynthia Oppenheimer at 925.324.4895 or by email at Cynthia.Oppenheimer@parsons.com or myself at 281-800-7868 or by my email at Jim.Schaffer@bp.com.

Sincerely,

James Schaeffer
HSSE M&A Project Manager
Remediation Management Services Company
An affiliate of ARCO Products NA Inc

2023 ANNUAL SITE STATUS REPORT
MANHOLE 34 FACILITY

Station No: MH-34

Address: 600-604 and 601 Yakima Valley Highway

Parsons Contact/Phone No. Cynthia Oppenheimer / 925.324.4895

Cynthia Oppenheimer

PROFESSIONAL GEOLOGIST
CYNTHIA OPPENHEIMER
Exp: 11/2024
No. 9415
STATE OF CALIFORNIA

Primary Agency/Regulatory ID No.: WDOE/Consent Decree #042014670

Current Site Use: Retail Gas Station, Commercial and Vacant Lot

2023 GROUNDWATER MONITORING SUMMARY:

Sample Methodology:

First Quarter:	Low Flow Purge and Sample
Second Quarter:	No Event Conducted
Third Quarter:	No Event Conducted
Fourth Quarter:	Low Flow Purge and Sample

Non-aqueous Phase Liquid Present at Site: Yes (thicknesses listed below)

First Quarter:	None Present
Fourth Quarter:	None Present

Site Constituents of Concern above Model Toxics Control Act Method A Cleanup Levels during reporting period:

Total Petroleum Hydrocarbons (TPH) as Gasoline Range Organics:

- **First Quarter** (**Q1**) – MW-03, MW-04, MW-11, MW-30, MW-31, MW-33, MW-42, and DMW-5
- **Fourth Quarter** (**Q4**) – MW-03, MW-04, MW-10, MW-11, MW-30, MW-31, MW-33, MW-42, and DMW-5

TPH as Diesel Range Organics (DRO):

- **Q1** –MW-02, MW-03, MW-04, MW-08, MW-10, MW-11, MW-30, MW-31, MW-33, and MW-42
- **Q4** – MW-04, MW-08, MW-11, MW-30, MW-31, MW-33, MW-42, and DMW-5

TPH as Heavy Oil Range Organics (HO):

- **Q1** – MW-08, MW-11, MW-30, MW-31, and MW-33
- **Q4** – MW-08, MW-11, and MW-31

Benzene:

- **Q1** – MW-03, MW-04, MW-10, MW-11, MW-30, MW-31, MW-33, MW-39, MW-42, and DMW-5
- **Q4** – MW-03, MW-04, MW-10, MW-11, MW-30, MW-31, MW-33, MW-42 and DMW-5

Toluene:

- **Q1** – MW-04
- **Q4** – MW-04

Ethylbenzene:

- **Q1** – MW-04, MW-30, and MW-42
- **Q4** – MW-04, MW-30, MW-42, and DMW-5

Total Xylenes:

- **Q1** – MW-04, MW-30, and MW-42
- **Q4** – MW-04, MW-42, and DMW-05

Observed Depth to Water per Event:

First Quarter:	4.22 (MW-04) to 9.22 (MW-27) feet below top of casing (btoc) – 3/6/2023
Fourth Quarter:	5.76 (MW-17) to 8.61 (MW-16) feet btoc – 10/23/2023

Groundwater Elevations and Flow Direction:
*Elevation range above North American Vertical Datum 1988 (NAVD 88)

Event	Elevation Range	Interpreted Groundwater Flow Direction
First Quarter:	738.11 (MW-27) to 745.06 (MW-04) feet	South-Southwest
Fourth Quarter:	740.62 (MW-26) to 743.69 (MW-17) feet	South-Southwest

Hydraulic Gradient per Event:

First Quarter :	0.004 feet/foot (FT/FT)
Fourth Quarter :	0.003 FT/FT

2023 - Additional Site Activities and Discussions

No additional work was completed at the Site in 2023. Parsons proposes to continue with semi-annual sampling and annual reporting for the site for 2024. Additional discussions may occur based on current trends at the Site.

Due to on-going road construction activities along South 6th Street, monitoring wells DMW-4, MW-20, MW-29, MH-33, MH-34, and MH-35 were destroyed in 2023. Parsons will document a final well count upon completion of road construction activities and recommend a path forward, if necessary, for new well installations. A photolog showing the damage caused by the City of Sunnyside construction crews has been included as Appendix D.

ATTACHMENTS

Table

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Figures

Figure 1	Site Location Map
Figure 2	Groundwater Contour Map March 6, 2023
Figure 3	Analytical Results March 6-7, 2023
Figure 4	Groundwater Contour Map October 23, 2023
Figure 5	Analytical Results October 23-24, 2023
Figure 6	Groundwater Flow Direction Rose Diagram

Appendices

Appendix A	Historic Groundwater Gauging and Analytical Results
Appendix B	Groundwater Sampling Field Data Sheets
Appendix C	Certified Laboratory Analytical Report
Appendix D	Photolog of City of Sunnyside Construction Impacts

TABLE

Table 1
2023 Groundwater Gauging Data and Analytical Results
Manhole 34

Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total Xylenes
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
DMW-1	3/6/2023		748.41	6.23	0	742.18							
DMW-1	10/23/2023		748.41	6.9	0	741.51							
DMW-2	3/7/2023		748.08	6.67	0	741.41	301	141 J	<250	.219 J	<1.0	30.5	.361 J
DMW-2	10/25/2023		748.08	6.99	0	741.09	453	<200	<250	0.412J	<1.00	34.7	0.573J
DMW-3	3/6/2023		748.96	6.39	0	742.57	-	-	-	-	-	-	-
DMW-3	10/23/2023		748.96	6.86	0	742.1							
DMW-4	3/9/2023	Destroyed	749.28		0		-	-	-	-	-	-	-
DMW-4	10/23/2023	Destroyed	749.28		0								
DMW-5	3/7/2023		748.64	6.31	0	742.33	**720**	492	<250	**14.5**	.400 J	27.2	36.1
DMW-5	10/24/2023		748.64	6.81	0	741.83	**18200**	**2860**	460	**89.9**	16.9	**1370**	**2080**
DMW-6	3/6/2023		748.57	6.43	0	742.14	-	-	-	-	-	-	-
DMW-6	10/23/2023		748.57	6.67	0	741.9							
MW-01	3/7/2023		748.41	6.12	0	742.29	96.9 BJ	129 J	145 J	<1.00	<1.00	<1.00	<3.00
MW-01	10/24/2023		748.41	5.94	0	742.47	366	<200	113J	3.74	8.87	32.6	78.7
MW-02	3/7/2023		748.08	6.09	0	741.99	356 B	**530**	201 J	<1.00	<1.00	<1.00	.419 J
MW-02	10/24/2023		748.08	6.81	0	741.27	129	317	118J	0.183J	<1.00	<1.00	0.267J
MW-03	3/7/2023	SOCK	748.96	6.71	0	742.25	**13300**	**1110**	<250	**349**	28.4	284	808
MW-03	10/24/2023		748.96	7.13	0	741.83	**4970**	297	<250	**93.3**	9.37J	40.1	198
MW-04	3/7/2023	SOCK	749.28	4.22	0	745.06	**73400**	**6570**	285	**4060**	**4900**	**1860**	**10200**
MW-04	10/24/2023		749.28	7.46	0	741.82	**61100**	**4450**	299	**4010**	**4130**	**1790**	**9730**
MW-08	3/7/2023		750.04	6.02	0	744.02	<100	**5690**	**6860**	<1.00	<1.00	<1.00	<3.00
MW-08	10/24/2023		750.04	6.93	0	743.11	<100	**1840**	**568**	<1.00	<1.00	<1.00	<3.00
MW-09	3/6/2023		748.25	6.03	0	742.22							
MW-09	10/23/2023		748.25	6.34	0	741.91							
MW-10	3/6/2023	SOCK	749.48	7.33	0	742.15	678	**581**	<250	**8.82**	<1.0	.955 J	5.71
MW-10	10/23/2023		749.48	7.35	0	742.13	**2200**	445	<250	**18.2**	1.5	118	202
MW-11	3/6/2023		748.53	5.57	0	742.96	**9430**	**7570**	**1430**	**164**	6.91	162	740
MW-11	10/23/2023		748.53	7.56	0	740.97	**6350**	**3970**	**1140**	**218**	<20	170	400
MW-12	3/6/2023		750.15	7.63	0	742.52	<100	<200	101 J	<1.00	<1.00	<1.00	<3.00
MW-12	10/23/2023		750.15	7.99	0	742.16	<100	<200	140J	<1.00	<1.00	<1.00	<3.00
MW-15	3/6/2023		749.52	5.72	0	743.8	-	-	-	-	-	-	-
MW-15	10/23/2023		749.52	6.84	0	742.68							
MW-16	3/6/2023		750.94	8	0	742.94	83.1 J	73.4 J	103J	0.0996 J	<1.00	0.493J	0.306J
MW-16	10/23/2023		750.94	8.61	0	742.33	<100	<200	93.1J	<1.00	<1.00	<1.00	<3.00

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All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total Xylenes
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-17	3/6/2023		749.45	5.22	0	744.23	-	-	-	-	-	-	-
MW-17	10/23/2023		749.45	5.76	0	743.69							
MW-18	3/6/2023		748.27	6.15	0	742.12	-	-	-	-	-	-	-
MW-18	10/23/2023		748.27	6.44	0	741.83							
MW-19	3/6/2023		748.73	5.62	0	743.11	-	-	-	-	-	-	-
MW-19	10/23/2023		748.73	6.02	0	742.71							
MW-20	3/15/2023	Destroyed	746.78		0		-	-	-	-	-	-	-
MW-20	10/23/2023	Destroyed	746.78		0								
MW-21	3/6/2023		748.41	6.08	0	742.33	-	-	-	-	-	-	-
MW-21	10/23/2023		748.41	6.67	0	741.74							
MW-22	3/6/2023		748.90	6.02	0	742.88	-	-	-	-	-	-	-
MW-22	10/23/2023		748.90	6.55	0	742.35							
MW-23	3/6/2023		749.17	6.31	0	742.86	-	-	-	-	-	-	-
MW-23	10/23/2023		749.17	6.8	0	742.37							
MW-24	3/6/2023	Unable to locate	748.16		0		-	-	-	-	-	-	-
MW-24	10/23/2023	Unable to locate	748.16		0								
MW-25	3/6/2023		748.04	5.93	0	742.11	<100	<200	150 J	<1.00	<1.00	<1.00	<3.00
MW-25	10/23/2023		748.04	6.39	0	741.65	40.6BJ	<200	113J	<1.00	<1.00	<1.00	<3.00
MW-26	3/6/2023		747.35	6.3	0	741.05							
MW-26	10/23/2023		747.35	6.73	0	740.62							
MW-27	3/7/2023		747.33	9.22	0	738.11	<100	82.9 J	<250	<1.00	<1.00	<1.00	<3.00
MW-27	10/23/2023	Unable to open lid	747.33		0								
MW-28	3/6/2023	Unable to Access	747.39		0		-	-	-	-	-	-	-
MW-28	10/23/2023	Unable to open lid	747.39		0								
MW-29	3/6/2023	Destroyed	746.79		0		-	-	-	-	-	-	-
MW-29	10/23/2023	Destroyed	746.79		0								
MW-30	3/6/2023		749.48	6.3	0	743.18	**10,200**	**3270**	**877**	**382**	40.2	**791**	**1100**
MW-30	10/23/2023		749.48	7.28	0	742.2	**13,600**	**2820**	<10	**385**	38.5	**1250**	572
MW-31	3/7/2023		748.05	6.08	0	741.97	**2330**	**913**	**723**	**309**	6.5 J	198	88.7
MW-31	10/24/2023		748.05	6.49	0	741.56	**2280**	**891**	**569**	**144**	<10	46.7	26.5J

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Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total Xylenes
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-32	3/7/2023		747.02	5.78	0	741.24	<100	83.9 J	123 J	<1.00	<1.00	<1.00	<3.00
MW-32	10/24/2023		747.02	6.14	0	740.88	69.1BJ	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-33	3/7/2023		747.46	4.97	0	742.49	**6520**	**2860**	**836**	**7.53**	0.617 J	38.8	663
MW-33	10/24/2023		747.46	5.81	0	741.65	**7200**	**997**	<250	**4.66J**	1.96J	38.8	993
MW-39	3/7/2023		750.05	6.22	0	743.83	609	159 J	<250	**66.7**	<1.0	.647 J	.399 J
MW-39	10/24/2023		750.05	6.99	0	743.06	197B	<200	<250	1.22	<1.00	<1.00	<3.00
MW-40	3/7/2023		749.90	5.52	0	744.38	281 B	219	192 J	4.63	<1.0	<1.0	.366 J
MW-40	10/24/2023		749.90	6.86	0	743.04	77.5BJ	<200	<250	0.303J	<1.00	<1.00	<3.00
MW-41	3/6/2023	Unable to Locate	749.10		0		-	-	-	-	-	-	-
MW-41	10/23/2023	Unable to Access	749.10		0								
MW-42	3/7/2023		749.65	6.05	0	743.6	**21500**	**6140**	366	**26.8**	494	**909**	**4510**
MW-42	10/24/2023		749.65	6.71	0	742.94	**23300**	**4590**	410	**27.4**	329	**1310**	**4680**
MH-31	3/7/2023		--	--	0	--	<100	74.1J	<250	1.35	<1.00	0.903J	1.17J
MH-31	10/24/2023		--	--	0	--	38.4BJ	<200	<250	0.758J	<1.00	0.254J	<3.00
MH-32	3/7/2023		--	--	0	--	<100	<200	<250	1.33	<1.00	1.15	0.787J
MH-32	10/24/2023		--	--	0	--	56.7 BJ	<200	<250	<1.00	<1.00	<1.00	<3.00
MH-33	10/23/2023	Destroyed											
MH-34	10/23/2023	Destroyed											
RW-1	3/6/2023		749.42	6.63	0	742.79	-	-	-	-	-	-	-
RW-1	10/23/2023		749.42	6.88	0	742.54							
A1/VE-2	3/6/2023		--	6.19	0	--	--	--	--	--	--	--	--
A1/VE-2	10/23/2023		--	6.73	0	--							

Table 1
2023 Groundwater Gauging Data and Analytical Results
Manhole 34

Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total Xylenes
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**

Notes:

TOC = Top of casing in feet North American Vertical Datum of 1988 (NAVD 88)

DTW = Depth to water in feet below TOC

NAPL = Non-aqueous phase liquid thickness in feet

GWE = Groundwater elevation in feet NAVD 88

GRO = Total petroleum hydrocarbons - gasoline range organics

DRO = Total petroleum hydrocarbons - diesel range organics

HO = Total petroleum hydrocarbons - heavy oil range organics

MTBE = Methyl tertiary butyl ether

J = estimated value – The result is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)

SE = Sample results are suspected erroneous due to field or laboratory interchange or contamination

B = analyte is found in the associated blank

Q = sample was prepared and/or analyzed past holding time as defined by the method. Concentrations should be considered minimum values.

NP = No purge sample

If NAPL is present, the GWE is corrected according to the following formula (TOC elevation - depth to water) + (0.8 x NAPL thickness)

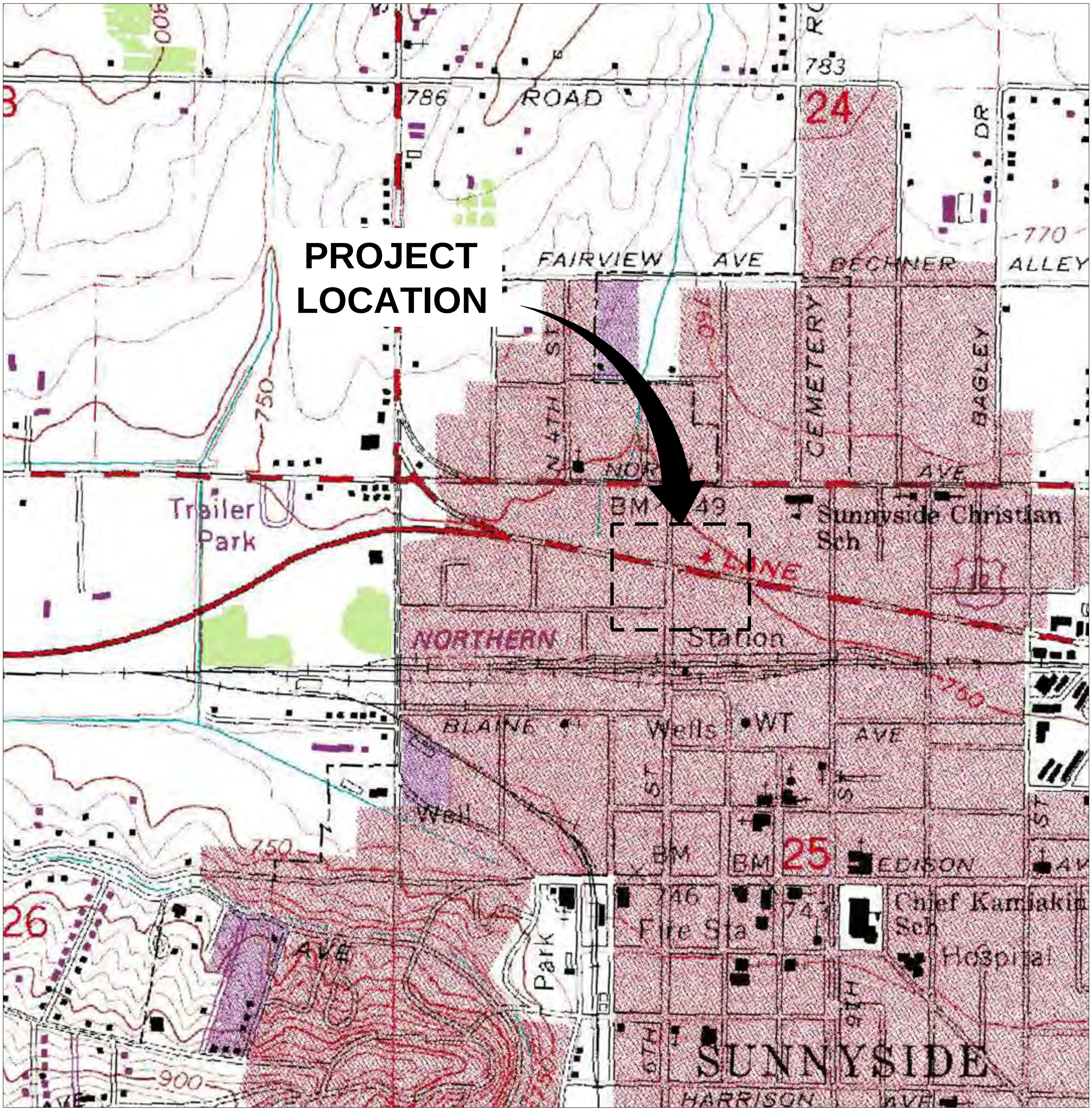
BOLD = constituent detected above MTCA Cleanup Levels

-- = Not analyzed/not applicable

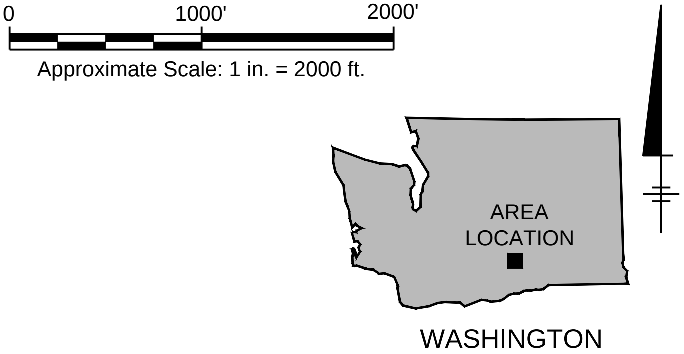
NS = Not sampled

< = Analytical result is less than reporting limit shown

FIGURES



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD. SUNNYSIDE, WA, 1978.

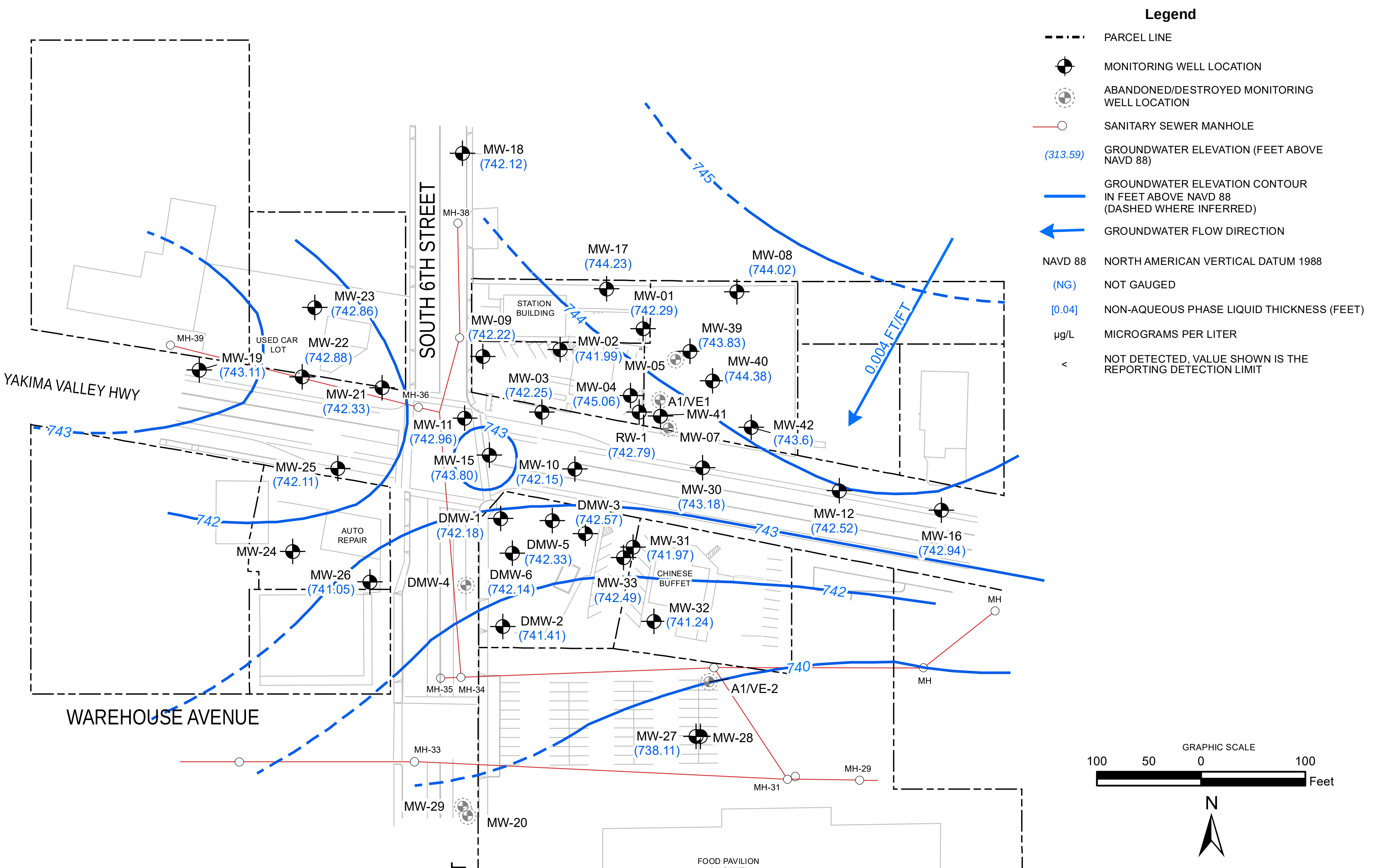


MANHOLE 34 FACILITY
NORTH 6TH STREET AND YAKIMA VALLEY HIGHWAY
SUNNYSIDE, WASHINGTON

SITE LOCATION MAP

PARSONS

FIGURE
1



Legend

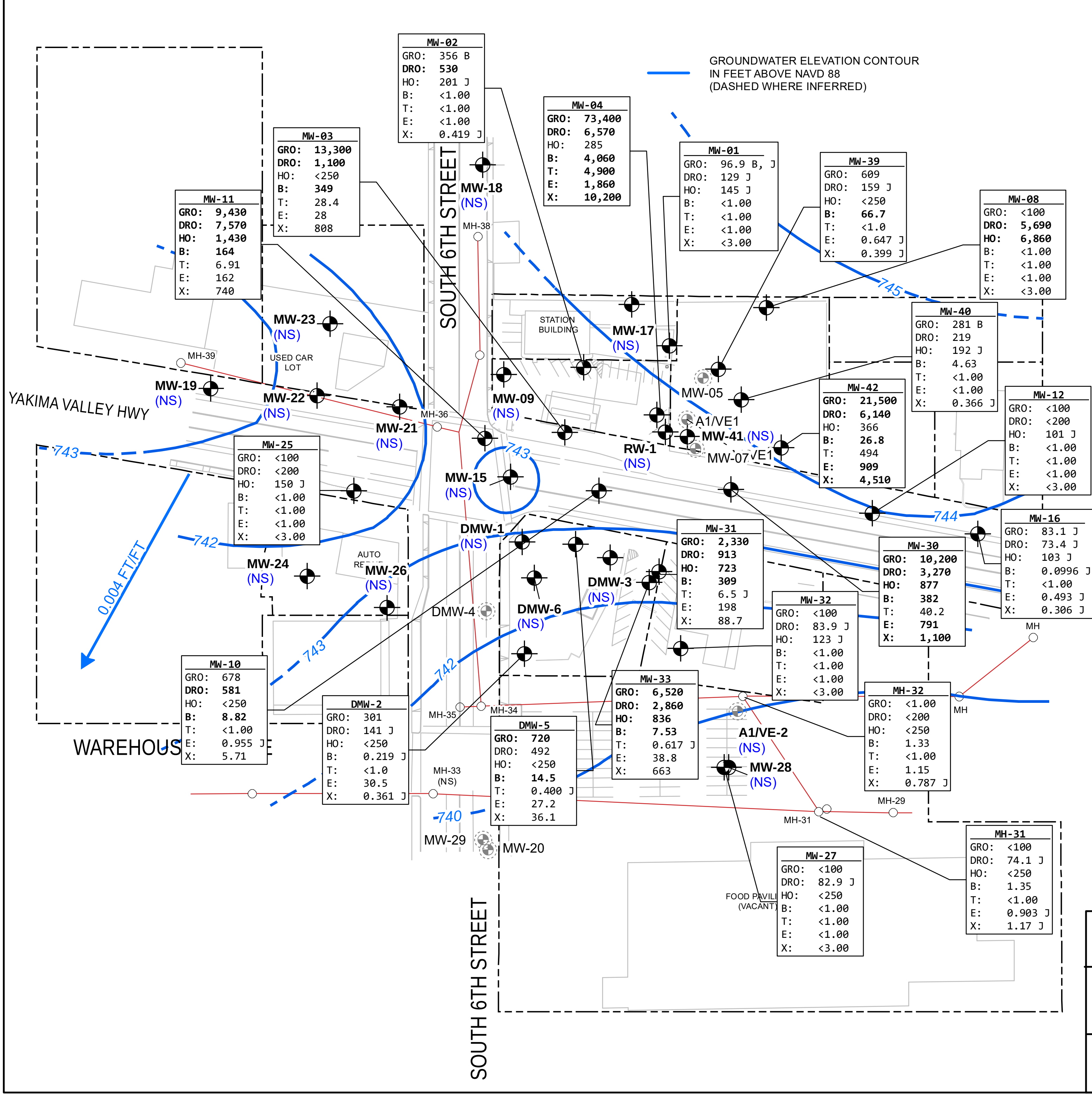
– · – ·	PARCEL LINE
⊕	MONITORING WELL LOCATION
◌	ABANDONED/DESTROYED MONITORING WELL LOCATION
—○	SANITARY SEWER MANHOLE
(313.59)	GROUNDWATER ELEVATION (FEET ABOVE NAVD 88)
—	GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE NAVD 88 (DASHED WHERE INFERRED)
←	GROUNDWATER FLOW DIRECTION
NAVD 88	NORTH AMERICAN VERTICAL DATUM 1988
(NG)	NOT GAUGED
[0.04]	NON-AQUEOUS PHASE LIQUID THICKNESS (FEET)
µg/L	MICROGRAMS PER LITER
<	NOT DETECTED, VALUE SHOWN IS THE REPORTING DETECTION LIMIT

MANHOLE 34
VICINITY OF NORTH 6TH STREET AND
YAKIMA VALLEY HIGHWAY
SUNNYSIDE, WASHINGTON

GROUNDWATER CONTOUR MAP
MARCH 6, 2023

PARSONS

FIGURE
2



Legend

- ▬ · ▬ PARCEL LINE
- ⊕ MONITORING WELL LOCATION
- ⊕ ABANDONED MONITORING WELL LOCATION
- ○ SANITARY SEWER MANHOLE
- ▬ GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE NAVD 88 (DASHED WHERE INFERRED)
- ← GROUNDWATER FLOW DIRECTION

SAMPLE ID	
GRO:	TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS
DRO:	TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS
HO:	TOTAL PETROLEUM HYDROCARBONS - HEAVY OIL RANGE ORGANICS
B:	BENZENE
T:	TOLUENE
E:	ETHYLBENZENE
X:	TOTAL XYLENES

BOLD	CONSTITUENT DETECTED ABOVE MTCA CLEANUP LEVELS
(NS)	NOT SAMPLED
µg/L	MICROGRAMS PER LITER
<	NOT DETECTED, VALUE SHOWN IS THE REPORTING DETECTION LIMIT
(J)	ESTIMATED VALUE, RESULT IS GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND LESS THAN THE LIMIT OF QUANTITATION
(B)	ANALYTE FOUND IN THE ASSOCIATED BLANK

GRAPHIC SCALE

100 50 0 100 Feet

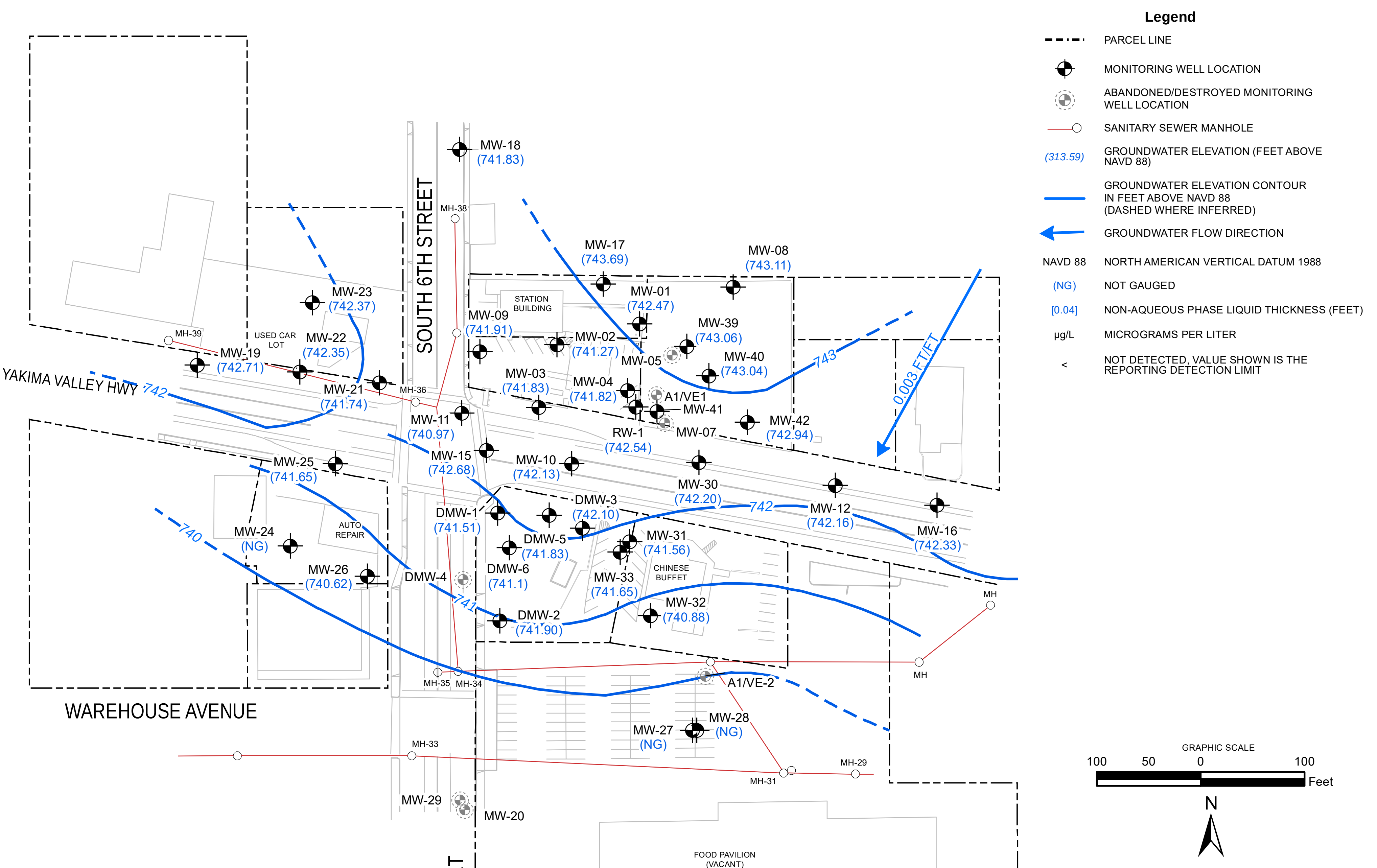
N

MANHOLE 34
VICINITY OF NORTH 6TH STREET AND
YAKIMA VALLEY HIGHWAY
SUNNYSIDE, WASHINGTON

ANALYTICAL RESULTS
MARCH 6-7, 2023

PARSONS

FIGURE
3

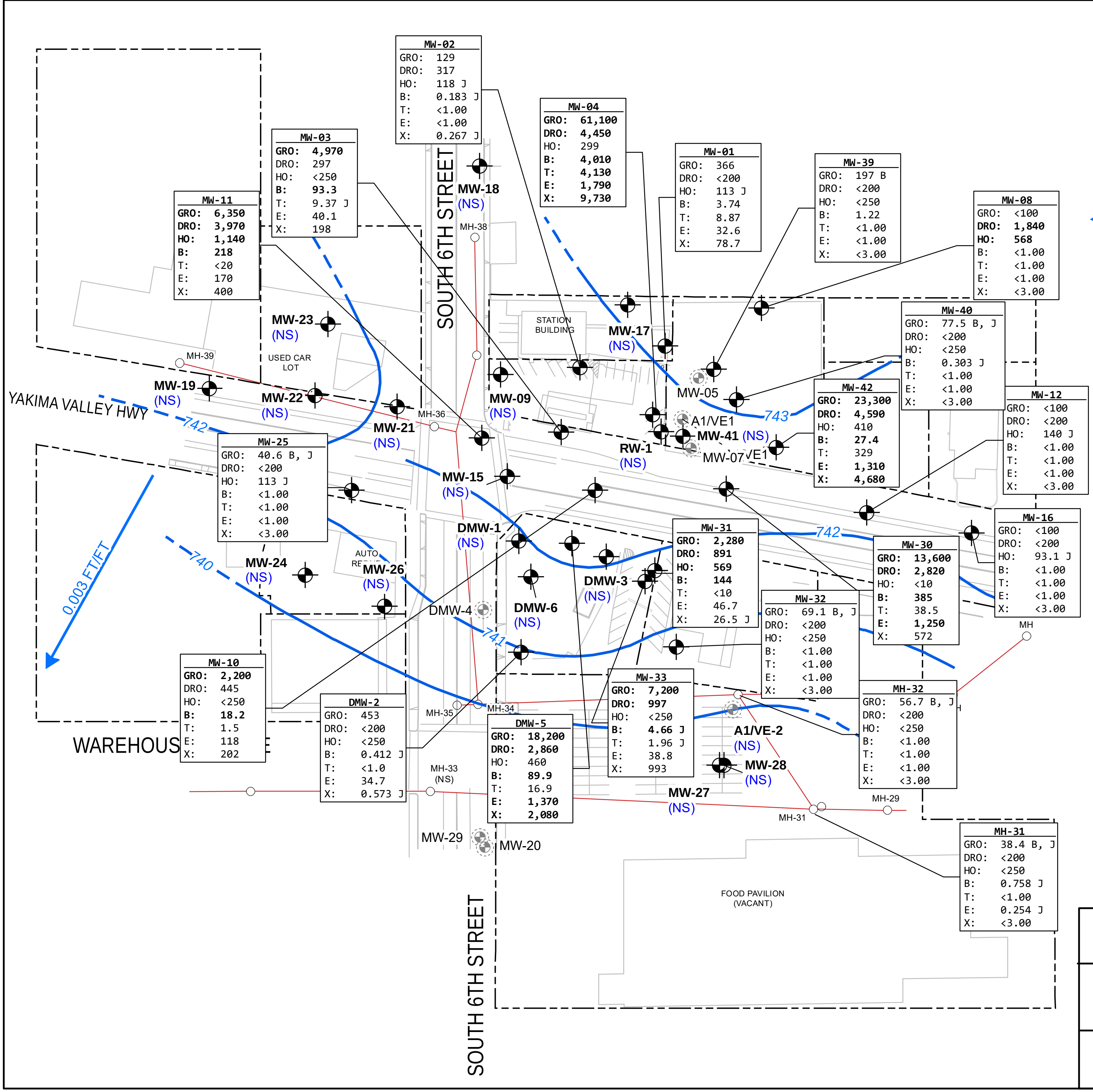


MANHOLE 34
VICINITY OF NORTH 6TH STREET AND
YAKIMA VALLEY HIGHWAY
SUNNYSIDE, WASHINGTON

GROUNDWATER CONTOUR MAP
OCTOBER 23-24, 2023

PARSONS

FIGURE
4



Legend

- - - PARCEL LINE
⊕ MONITORING WELL LOCATION
⊕ ABANDONED MONITORING WELL LOCATION
○ SANITARY SEWER MANHOLE
— GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE NAVD 88 (DASHED WHERE INFERRED)
← GROUNDWATER FLOW DIRECTION

SAMPLE ID	
GRO:	TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS
DRO:	TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS
HO:	TOTAL PETROLEUM HYDROCARBONS - HEAVY OIL RANGE ORGANICS
B:	BENZENE
T:	TOLUENE
E:	ETHYLBENZENE
X:	TOTAL XYLENES

BOLD	CONSTITUENT DETECTED ABOVE MTCA CLEANUP LEVELS
(NS)	NOT SAMPLED
µg/L	MICROGRAMS PER LITER
<	NOT DETECTED, VALUE SHOWN IS THE REPORTING DETECTION LIMIT
(J)	ESTIMATED VALUE, RESULT IS GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND LESS THAN THE LIMIT OF QUANTITATION
(B)	ANALYTE FOUND IN THE ASSOCIATED BLANK

GRAPHIC SCALE
100 50 0 100
Feet

N

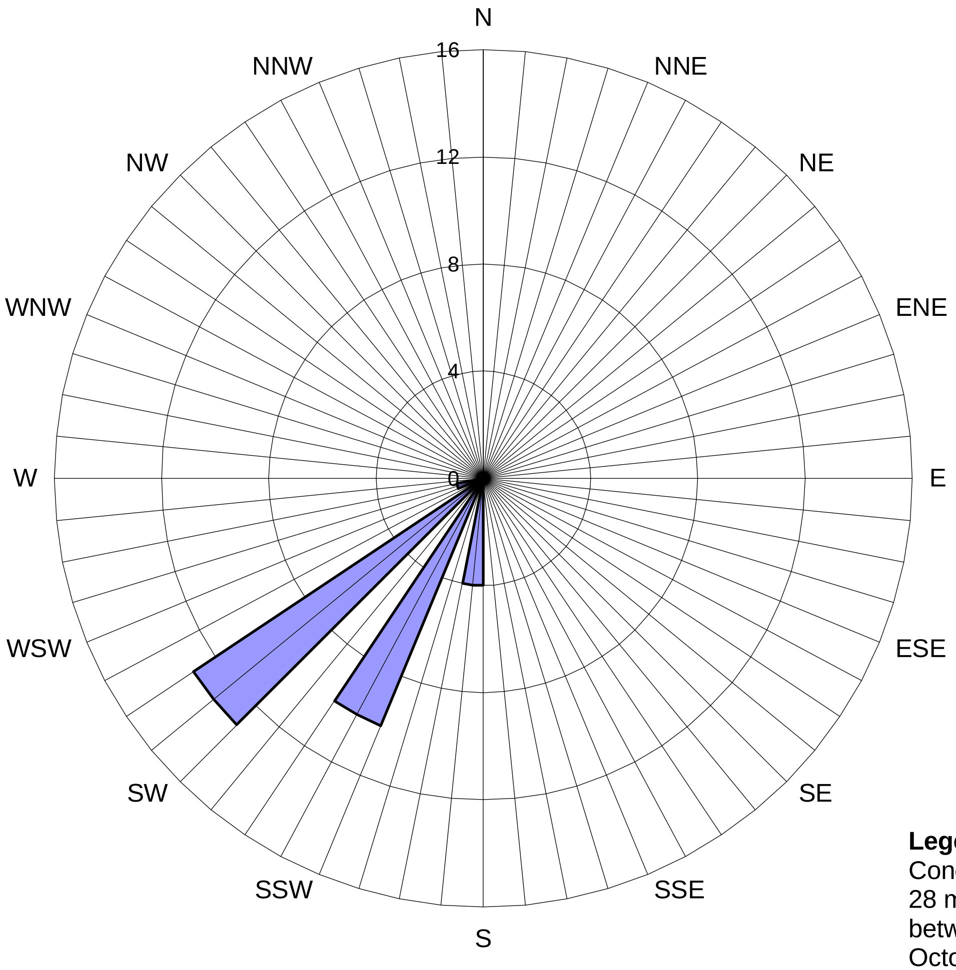
MANHOLE 34
VICINITY OF NORTH 6TH STREET AND
YAKIMA VALLEY HIGHWAY
SUNNYSIDE, WASHINGTON

ANALYTICAL RESULTS
OCTOBER 23-24, 2023

PARSONS

FIGURE
5

Figure 6
Groundwater Flow Direction Rose Diagram
MH-34 Facility
600-604 & 601 Yakima Valley Highway
Sunnyside, WA



Legend
Concentric circles represent
28 montoring events conducted
between June 2010 and
October 2023.

■ Groundwater Flow Direction

APPENDIX A

HISTORIC GROUNDWATER GAUGING DATA AND ANALYTICAL RESULTS

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
A1/VE-2	9/25/2018	(NS)	--	6.34	--	--	--	--	--	--	--	--	--
A1/VE-2	3/28/2019	(NS)	--	6.35	0.0	--	--	--	--	--	--	--	--
A1/VE-2	9/17/2019	(NS)	--	6.82	0.0	--	--	--	--	--	--	--	--
A1/VE-2	3/8/2021	(NS)	--	5.70	--	--	--	--	--	--	--	--	--
A1/VE-2	9/28/2021	(NS)	--	6.48	--	--	--	--	--	--	--	--	--
A1/VE-2	3/16/2022		--	6.36	--	--	--	--	--	--	--	--	--
A1/VE-2	9/21/2022		--	6.55	--	--	--	--	--	--	--	--	--
A1/VE-2	3/6/2023		--	6.19	0	--	--	--	--	--	--	--	--
A1/VE-2	10/23/2023		--	6.73	0	--							
DMW-1	4/8/1989		744.92	5.57	--	739.350	--	--	--	--	--	--	--
DMW-1	4/19/1989		744.92	5.64	--	739.280	--	--	--	--	--	--	--
DMW-1	8/21/1989		744.92	6.19	--	738.730	--	--	--	--	--	--	--
DMW-1	10/19/1989		744.92	5.93	--	738.990	--	--	--	--	--	--	--
DMW-1	11/8/1989		744.92	5.99	--	738.930	--	--	--	--	--	--	--
DMW-1	11/29/1989		744.92	5.97	--	738.950	--	--	--	--	--	--	--
DMW-1	1/29/1992		744.92	5.97	--	738.950	--	--	--	--	--	--	--
DMW-1	7/24/1992		744.92	5.97	--	738.950	--	--	--	--	--	--	--
DMW-1	11/30/1993		744.92	6.29	--	738.630	--	--	--	--	--	--	--
DMW-1	4/26/1994		744.92	5.91	--	739.010	--	--	--	--	--	--	--
DMW-1	11/15/2001	(Well apparently	744.92	--	--	--	--	--	--	--	--	--	--
DMW-1	9/9/2002	(Well located	744.92	6.27	--	738.650	--	--	--	--	--	--	--
DMW-1	11/18/2002		744.92	6.03	--	738.890	--	--	--	--	--	--	--
DMW-1	1/27/2003		744.92	5.46	--	739.460	--	--	--	--	--	--	--
DMW-1	4/15/2003		744.92	5.56	--	739.360	--	--	--	--	--	--	--
DMW-1	7/29/2003		744.92	6.24	--	738.680	--	--	--	--	--	--	--
DMW-1	10/6/2003		744.92	6.23	--	738.690	--	--	--	--	--	--	--
DMW-1	2/16/2004		744.92	5.54	--	739.380	--	--	--	--	--	--	--
DMW-1	5/24/2004		744.92	5.74	--	739.180	--	--	--	--	--	--	--
DMW-1	8/9/2004		744.92	5.91	--	739.010	--	--	--	--	--	--	--
DMW-1	11/1/2004		744.92	5.92	--	739.000	--	--	--	--	--	--	--
DMW-1	2/28/2005		744.92	6.13	--	738.790	--	--	--	--	--	--	--
DMW-1	5/24/2005		744.92	6.20	--	738.720	--	--	--	--	--	--	--
DMW-1	8/15/2005		744.92	6.57	--	738.350	--	--	--	--	--	--	--
DMW-1	10/24/2005		744.92	6.28	--	738.640	--	--	--	--	--	--	--
DMW-1	4/24/2006		744.92	5.92	--	739.000	--	--	--	--	--	--	--
DMW-1	8/28/2006		744.92	6.50	--	738.420	--	--	--	--	--	--	--
DMW-1	10/16/2006	(Well monument	744.92	6.61	--	738.310	--	--	--	--	--	--	--
DMW-1	12/4/2006	(Surveyed)	748.29	7.01	--	741.280	--	--	--	--	--	--	--
DMW-1	3/26/2007		748.29	6.74	--	741.550	--	--	--	--	--	--	--
DMW-1	5/15/2007		748.29	6.61	--	741.680	--	--	--	--	--	--	--
DMW-1	9/18/2007		748.29	7.01	--	741.280	--	--	--	--	--	--	--
DMW-1	12/11/2007		748.29	6.40	--	741.890	--	--	--	--	--	--	--
DMW-1	3/25/2008		748.29	6.64	--	741.650	--	--	--	--	--	--	--
DMW-1	5/27/2008		748.29	6.63	--	741.660	--	--	--	--	--	--	--
DMW-1	8/19/2008		748.29	6.81	--	741.480	--	--	--	--	--	--	--
DMW-1	2/10/2009		748.29	6.83	--	741.460	--	--	--	--	--	--	--
DMW-1	5/19/2009		748.29	6.81	--	741.480	--	--	--	--	--	--	--
DMW-1	8/4/2009		748.29	7.09	--	741.200	--	--	--	--	--	--	--
DMW-1	11/10/2009		748.29	6.95	--	741.340	--	--	--	--	--	--	--
DMW-1	11/18/2009		748.29	6.80	--	741.490	--	--	--	--	--	--	--
DMW-1	2/16/2010		748.41	6.26	--	742.150	--	--	--	--	--	--	--
DMW-1	6/30/2010		748.41	6.57	--	741.842	--	--	--	--	--	--	--
DMW-1	8/11/2010		748.41	6.85	--	741.562	--	--	--	--	--	--	--
DMW-1	11/11/2010		748.41	6.64	--	741.772	--	--	--	--	--	--	--
DMW-1	2/15/2011		748.41	6.40	--	742.012	--	--	--	--	--	--	--
DMW-1	9/12/2011		748.41	6.66	0.0	741.750	--	--	--	--	--	--	--
DMW-1	10/3/2012		748.41	6.71	--	741.702	--	--	--	--	--	--	--
DMW-1	4/7/2014		748.41	6.57	0.0	741.840	--	--	--	--	--	--	--
DMW-1	4/29/2015	(NS)	748.41	6.48	0.0	741.930	--	--	--	--	--	--	--
DMW-1	8/3/2015	(NS)	748.41	7.08	0.0	741.330	--	--	--	--	--	--	--
DMW-1	11/2/2015	(NS)	748.41	6.92	0.0	741.490	--	--	--	--	--	--	--
DMW-1	2/8/2016	(NS)	748.41	6.12	0.0	742.290	--	--	--	--	--	--	--
DMW-1	9/6/2016	(NS)	748.41	7.11	0.0	741.300	--	--	--	--	--	--	--
DMW-1	6/26/2017	(NS)	748.41	6.50	0.0	741.910	--	--	--	--	--	--	--
DMW-1	9/11/2017	(NS)	748.41	6.79	0.0	741.620	--	--	--	--	--	--	--
DMW-1	2/26/2018	(NS)	748.41	6.50	0.0	741.910	--	--	--	--	--	--	--
DMW-1	9/25/2018	(NS)	748.41	6.70	--	741.710	--	--	--	--	--	--	--
DMW-1	3/28/2019	(NS)	748.41	5.89	0.0	742.520	--	--	--	--	--	--	--
DMW-1	9/17/2019	(NS)	748.41	6.16	0.0	742.250	--	--	--	--	--	--	--
DMW-1	3/8/2021		748.41	6.23		742.180	--	--	--	--	--	--	--
DMW-1	9/28/2021		748.41	6.66		741.750	--	--	--	--	--	--	--
DMW-1	3/16/2022		748.41	6.57		741.840							
DMW-1	9/21/2022		748.41	6.80		741.610							
DMW-1	3/6/2023		748.41	6.23	0	742.180							
DMW-1	10/23/2023		748.41	6.9	0	741.510							
DMW-2	4/8/1989		745.07	6.24	--	738.830	--	--	--	--	--	--	--
DMW-2	4/19/1989		745.07	6.32	--	738.750	--	--	--	--	--	--	--
DMW-2	8/21/1989		745.07	6.24	--	738.830	--	--	--	--	--	--	--
DMW-2	10/19/1989		745.07	6.79	--	738.280	--	--	--	--	--	--	--
DMW-2	11/8/1989		745.07	6.74	--	738.330	--	--	--	--	--	--	--
DMW-2	11/29/1989		745.07	6.77	--	738.300	--	--	--	--	--	--	--
DMW-2	1/29/1992		745.07	6.33	--	738.740	--	--	--	--	--	--	--
DMW-2	7/24/1992		745.07	6.50	--	738.570	--	--	--	--	--	--	--
DMW-2	11/30/1993		745.07	6.80	0.01	738.278	--	--	--	--	--	--	--
DMW-2	4/26/1994	(Well paved over	745.07	6.53	--	738.540	--	--	--	--	--	--	--
DMW-2	11/15/2001		745.07	7.35	--	737.720	--	--	--	--	--	--	--
DMW-2	4/3/2002	(Well repaired in	745.07	7.16	--	737.910	--	--	--	--	--	--	--
DMW-2	9/9/2002		745.07	7.28	--	737.790	--	--	--	--	--	--	--
DMW-2	11/18/2002		745.07	7.14	--	737.930	--	--	--	--	--	--	--
DMW-2	1/27/2003		745.07	6.63	--	738.440	--	--	--	--	--	--	--
DMW-2	4/15/2003		745.07	6.74	--	738.330	--	--	--	--	--	--	--
DMW-2	7/29/2003		745.07	7.28	--	737.790	--	--	--	--	--	--	--
DMW-2	10/6/2003		745.07	7.29	--	737.780	--	--	--	--	--	--	--
DMW-2	2/16/2004		745.07	6.71	--	738.360	--	--	--	--	--	--	--
DMW-2	5/24/2004		745.07	6.88	--	738.190	--	--	--	--	--	--	--
DMW-2	8/9/2004		745.07	7.02	--	738.050	--	--	--	--	--	--	--
DMW-2	11/1/2004		745.07	7.08	--	737.990	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
DMW-2	2/28/2005		745.07	7.21	--	737.860	--	--	--	--	--	--	--
DMW-2	5/24/2005		745.07	7.21	--	737.860	--	--	--	--	--	--	--
DMW-2	8/15/2005		745.07	7.51	--	737.560	--	--	--	--	--	--	--
DMW-2	10/24/2005		745.07	7.29	--	737.780	--	--	--	--	--	--	--
DMW-2	4/24/2006		745.07	7.05	--	738.020	--	--	--	--	--	--	--
DMW-2	8/28/2006		745.07	7.55	--	737.520	--	--	--	--	--	--	--
DMW-2	10/16/2006		745.07	7.62	--	737.450	--	--	--	--	--	--	--
DMW-2	12/4/2006		745.07	7.63	--	737.440	--	--	--	--	--	--	--
DMW-2	3/26/2007		745.07	7.29	--	737.780	--	--	--	--	--	--	--
DMW-2	5/15/2007		745.07	7.21	--	737.860	--	--	--	--	--	--	--
DMW-2	9/18/2007		745.07	7.51	--	737.560	--	--	--	--	--	--	--
DMW-2	12/11/2007		745.07	7.06	--	738.010	--	--	--	--	--	--	--
DMW-2	3/25/2008		745.07	7.21	--	737.860	--	--	--	--	--	--	--
DMW-2	5/27/2008		745.07	7.30	--	737.770	--	--	--	--	--	--	--
DMW-2	8/19/2008		745.07	7.47	--	737.600	--	--	--	--	--	--	--
DMW-2	11/18/2008		745.07	7.43	--	737.640	--	--	--	--	--	--	--
DMW-2	2/10/2009		745.07	7.45	--	737.620	--	--	--	--	--	--	--
DMW-2	5/19/2009		745.07	7.50	--	737.570	--	--	--	--	--	--	--
DMW-2	8/4/2009		745.07	7.71	--	737.360	--	--	--	--	--	--	--
DMW-2	11/10/2009		745.07	7.70	--	737.370	--	--	--	--	--	--	--
DMW-2	2/16/2010		748.08	7.10	--	740.980	--	--	--	--	--	--	--
DMW-2	6/30/2010		748.08	7.41	--	740.674	--	--	--	--	--	--	--
DMW-2	8/11/2010	(NM)	748.08	--	--	--	--	--	--	--	--	--	--
DMW-2	11/11/2010		748.08	7.53	--	--	--	--	--	--	--	--	--
DMW-2	2/15/2011		748.08	7.35	--	740.734	--	--	--	--	--	--	--
DMW-2	10/3/2012		748.08	7.47	--	740.614	--	--	--	--	--	--	--
DMW-2	4/7/2014		748.08	7.30	0.0	740.780	--	--	--	--	--	--	--
DMW-2	11/19/2014	(NS)	748.08	7.23	0.0	740.850	--	--	--	--	--	--	--
DMW-2	4/29/2015	(NS)	748.08	7.18	0.0	740.900	--	--	--	--	--	--	--
DMW-2	8/3/2015	(LFP)	748.08	7.63	0.0	740.450	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
DMW-2	2/8/2016	(NS)	748.08	6.91	0.0	741.170	--	--	--	--	--	--	--
DMW-2	9/6/2016	(NS)	748.08	7.81	0.0	740.270	--	--	--	--	--	--	--
DMW-2	6/26/2017	(Unable to access)	748.08	--	--	--	--	--	--	--	--	--	--
DMW-2	9/11/2017	(Unable to access)	748.08	--	--	--	--	--	--	--	--	--	--
DMW-2	2/26/2018	(NS)	748.08	7.03	0.0	741.050	--	--	--	--	--	--	--
DMW-2	9/25/2018	(NS)	748.08	7.19	--	740.890	--	--	--	--	--	--	--
DMW-2	3/28/2019	(NS)	748.08	6.73	0.0	741.350	--	--	--	--	--	--	--
DMW-2	9/18/2019	(LFP)	748.08	7.20	0.0	740.880	**1,190**	230	<250	**60.5**	7.20	0.555(J)	98.8
DMW-2	3/9/2021		748.08	7.00	0	741.080	**87.7 B,J**	<200	<250	0.317 B,J	<1.00	2.46	<3.00
DMW-2	9/29/2021		748.08	7.91	0	740.170	799	<400	<500	0.262 J	0.386 J	77.2	1.09 J
DMW-2	3/16/2022		748.08	6.81	0	741.270	379	129J	<250	0.354J	0.382J	48.8	0.398J
DMW-2	9/21/2022		748.08	7.55	0	740.530	792	226	247J	<1.0	<1.0	109	0.714J
DMW-2	3/7/2023		748.08	6.67	0	741.41	301	141 J	<250	.219 J	<1.0	30.5	.361 J
DMW-2	10/25/2023		748.08	6.99	0	741.09	453	<200	<250	0.412J	<1.00	34.7	0.573J
DMW-3	4/8/1989		745.68	6.45	--	739.230	--	--	--	--	--	--	--
DMW-3	4/19/1989		745.68	6.47	--	739.210	--	--	--	--	--	--	--
DMW-3	8/21/1989		745.68	6.68	--	739.000	--	--	--	--	--	--	--
DMW-3	10/19/1989		745.68	6.61	--	739.070	--	--	--	--	--	--	--
DMW-3	11/8/1989		745.68	6.65	--	739.030	--	--	--	--	--	--	--
DMW-3	11/29/1989		745.68	6.67	--	739.010	--	--	--	--	--	--	--
DMW-3	1/29/1992		745.68	6.18	--	739.500	--	--	--	--	--	--	--
DMW-3	7/24/1992		745.68	6.40	--	739.280	--	--	--	--	--	--	--
DMW-3	11/30/1993		745.68	6.84	--	738.840	--	--	--	--	--	--	--
DMW-3	4/26/1994		745.68	6.50	--	739.180	--	--	--	--	--	--	--
DMW-3	6/8/2001	(Well not located)	745.68	--	--	--	--	--	--	--	--	--	--
DMW-3	11/15/2001		745.68	6.70	--	738.980	--	--	--	--	--	--	--
DMW-3	4/3/2002	(Well located	745.68	6.55	--	739.130	--	--	--	--	--	--	--
DMW-3	9/9/2002		745.68	6.68	--	739.000	--	--	--	--	--	--	--
DMW-3	11/18/2002		745.68	6.48	--	739.200	--	--	--	--	--	--	--
DMW-3	1/27/2003		745.68	5.81	--	739.870	--	--	--	--	--	--	--
DMW-3	4/15/2003		745.68	6.01	--	739.670	--	--	--	--	--	--	--
DMW-3	7/29/2003		745.68	6.67	--	739.010	--	--	--	--	--	--	--
DMW-3	10/6/2003		745.68	6.66	--	739.020	--	--	--	--	--	--	--
DMW-3	2/16/2004		745.68	5.98	--	739.700	--	--	--	--	--	--	--
DMW-3	5/24/2004		745.68	6.16	--	739.520	--	--	--	--	--	--	--
DMW-3	8/9/2004		745.68	6.35	--	739.330	--	--	--	--	--	--	--
DMW-3	11/1/2004		745.68	6.34	--	739.340	--	--	--	--	--	--	--
DMW-3	2/28/2005		745.68	6.42	--	739.260	--	--	--	--	--	--	--
DMW-3	5/24/2005		745.68	6.48	--	739.200	--	--	--	--	--	--	--
DMW-3	8/15/2005		745.68	6.92	--	738.760	--	--	--	--	--	--	--
DMW-3	10/24/2005		745.68	6.59	--	739.090	--	--	--	--	--	--	--
DMW-3	4/24/2006	(Well maintenance	745.68	6.27	0.01	739.417	--	--	--	--	--	--	--
DMW-3	8/28/2006		745.68	6.90	--	738.780	--	--	--	--	--	--	--
DMW-3	10/16/2006	(Well monument	745.68	7.02	--	738.660	--	--	--	--	--	--	--
DMW-3	12/4/2006	(Surveyed)	747.73	7.25	--	740.480	--	--	--	--	--	--	--
DMW-3	3/26/2007		747.73	6.97	--	740.760	--	--	--	--	--	--	--
DMW-3	5/15/2007		747.73	6.81	--	740.920	--	--	--	--	--	--	--
DMW-3	9/18/2007		747.73	7.22	--	740.510	--	--	--	--	--	--	--
DMW-3	12/11/2007		747.73	6.58	--	741.150	--	--	--	--	--	--	--
DMW-3	3/25/2008		747.73	6.81	--	740.920	--	--	--	--	--	--	--
DMW-3	5/27/2008		747.73	6.72	--	741.010	--	--	--	--	--	--	--
DMW-3	8/19/2008		747.73	7.04	--	740.690	--	--	--	--	--	--	--
DMW-3	2/10/2009		747.73	7.00	--	740.730	--	--	--	--	--	--	--
DMW-3	5/19/2009		747.73	7.02	--	740.710	--	--	--	--	--	--	--
DMW-3	8/4/2009		747.73	7.35	--	740.380	--	--	--	--	--	--	--
DMW-3	11/10/2009		747.73	7.11	--	740.620	--	--	--	--	--	--	--
DMW-3	11/18/2009		747.73	6.98	--	740.750	--	--	--	--	--	--	--
DMW-3	2/16/2010		748.97	6.42	--	742.550	--	--	--	--	--	--	--
DMW-3	6/30/2010		748.97	6.73	--	742.236	--	--	--	--	--	--	--
DMW-3	8/11/2010		748.97	7.05	--	741.916	--	--	--	--	--	--	--
DMW-3	11/11/2010		748.97	6.80	--	742.166	--	--	--	--	--	--	--
DMW-3	2/15/2011		748.97	6.51	0.01	742.456	--	--	--	--	--	--	--
DMW-3	9/12/2011		748.97	6.81	0.0	742.160	--	--	--	--	--	--	--
DMW-3	10/3/2012		748.97	6.94	--	742.026	--	--	--	--	--	--	--
DMW-3	4/7/2014		748.97	6.82	0.0	742.150	--	--	--	--	--	--	--
DMW-3	11/19/2014	(NS)	748.97	6.74	0.0	742.230	--	--	--	--	--	--	--
DMW-3	4/29/2015	(NS)	748.97	6.72	0.0	742.250	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
DMW-3	8/3/2015	(NS)	748.97	7.31	0.0	741.660	--	--	--	--	--	--	--
DMW-3	11/2/2015	(NS)	748.97	7.20	0.0	741.770	--	--	--	--	--	--	--
DMW-3	2/8/2016	(NS)	748.97	6.28	0.0	742.690	--	--	--	--	--	--	--
DMW-3	9/6/2016	(NS)	748.97	7.38	0.0	741.590	--	--	--	--	--	--	--
DMW-3	2/14/2017	(NS)	748.97	6.60	0.0	742.370	--	--	--	--	--	--	--
DMW-3	6/26/2017	(NS)	748.97	6.70	0.0	742.270	--	--	--	--	--	--	--
DMW-3	9/11/2017	(NS)	748.97	7.05	0.0	741.920	--	--	--	--	--	--	--
DMW-3	2/26/2018	(NS)	748.97	6.73	0.0	742.240	--	--	--	--	--	--	--
DMW-3	9/25/2018	(NS)	748.97	6.81	--	742.160	--	--	--	--	--	--	--
DMW-3	3/28/2019	(NS)	748.96	6.13	0.0	742.830	--	--	--	--	--	--	--
DMW-3	9/17/2019	(NS)	748.96	6.94	0.0	742.020	--	--	--	--	--	--	--
DMW-3	3/8/2021	(NS)	748.96	6.65	0	742.310	--	--	--	--	--	--	--
DMW-3	9/28/2021	(NS)	748.96	7.08	0	741.880	--	--	--	--	--	--	--
DMW-3	3/16/2022		748.96	6.42	0	742.540							
DMW-3	9/21/2022		748.96	7.19	0	741.770							
DMW-3	3/6/2023		748.96	6.39	0	742.57	-	-	-	-	-	-	-
DMW-3	10/23/2023		748.96	6.86	0	742.1							
DMW-4	4/8/1989		744.05	6.61	--	737.440	--	--	--	--	--	--	--
DMW-4	4/19/1989		744.05	5.62	--	738.430	--	--	--	--	--	--	--
DMW-4	8/21/1989		744.05	6.63	0.80	738.020	--	--	--	--	--	--	--
DMW-4	10/29/1989		744.05	6.30	--	737.750	--	--	--	--	--	--	--
DMW-4	1/29/1992		744.05	6.02	0.26	738.225	--	--	--	--	--	--	--
DMW-4	7/24/1992		744.05	6.10	0.37	738.227	--	--	--	--	--	--	--
DMW-4	11/30/1993		744.05	6.53	0.43	737.843	--	--	--	--	--	--	--
DMW-4	4/26/1994		744.05	6.11	0.37	738.218	--	--	--	--	--	--	--
DMW-4	3/16/1999		744.05	5.95	0.24	738.280	--	--	--	--	--	--	--
DMW-4	6/8/2001		744.05	6.47	0.45	737.917	--	--	--	--	--	--	--
DMW-4	11/15/2001		744.05	6.45	0.25	737.787	--	--	--	--	--	--	--
DMW-4	4/3/2002		744.05	6.13	0.01	737.927	--	--	--	--	--	--	--
DMW-4	9/9/2002		744.05	6.41	0.38	737.925	--	--	--	--	--	--	--
DMW-4	11/18/2002		744.05	6.25	0.33	738.047	--	--	--	--	--	--	--
DMW-4	1/27/2003		744.05	5.67	0.65	738.867	--	--	--	--	--	--	--
DMW-4	4/15/2003		744.05	5.66	0.18	738.525	--	--	--	--	--	--	--
DMW-4	7/29/2003		744.05	6.67	0.55	737.792	--	--	--	--	--	--	--
DMW-4	10/6/2003		744.05	6.49	0.44	737.890	--	--	--	--	--	--	--
DMW-4	2/16/2004		744.05	5.62	0.17	738.557	--	--	--	--	--	--	--
DMW-4	5/24/2004		744.05	5.92	0.15	738.242	--	--	--	--	--	--	--
DMW-4	8/9/2004		744.05	6.02	0.18	738.165	--	--	--	--	--	--	--
DMW-4	11/1/2004		744.05	6.17	0.26	738.075	--	--	--	--	--	--	--
DMW-4	2/28/2005		744.05	6.66	0.36	737.660	--	--	--	--	--	--	--
DMW-4	5/24/2005		744.05	6.51	0.34	737.795	--	--	--	--	--	--	--
DMW-4	8/15/2005		744.05	6.54	0.20	737.660	--	--	--	--	--	--	--
DMW-4	10/24/2005		744.05	6.29	0.16	737.880	--	--	--	--	--	--	--
DMW-4	4/26/2006	(Strong	744.05	12.46	--	731.590	--	--	--	--	--	--	--
DMW-4	8/29/2006		744.05	6.45	0.09	737.667	--	--	--	--	--	--	--
DMW-4	10/16/2006	(Well monument	744.05	6.70	0.15	737.463	--	--	--	--	--	--	--
DMW-4	12/5/2006	(Surveyed)	749.28	7.15	0.15	742.242	--	--	--	--	--	--	--
DMW-4	3/28/2007		749.28	6.71	0.02	738.985	--	--	--	--	--	--	--
DMW-4	5/17/2007		749.28	6.55	0.02	739.145	--	--	--	--	--	--	--
DMW-4	9/19/2007		749.28	6.79	--	738.890	--	--	--	--	--	--	--
DMW-4	12/12/2007		749.28	6.35	--	739.330	--	--	--	--	--	--	--
DMW-4	3/26/2008		749.28	6.50	--	739.180	--	--	--	--	--	--	--
DMW-4	5/28/2008		749.28	6.63	--	739.050	--	--	--	--	--	--	--
DMW-4	8/20/2008		749.28	6.79	--	738.890	--	--	--	--	--	--	--
DMW-4	2/11/2009		749.28	6.74	--	738.940	--	--	--	--	--	--	--
DMW-4	5/20/2009		749.28	6.68	--	739.000	--	--	--	--	--	--	--
DMW-4	8/5/2009		749.28	6.86	--	738.820	--	--	--	--	--	--	--
DMW-4	11/11/2009		749.28	6.93	--	738.750	--	--	--	--	--	--	--
DMW-4	11/19/2009		749.28	6.77	--	738.910	--	--	--	--	--	--	--
DMW-4	2/17/2010		747.40	6.34	--	741.060	--	--	--	--	--	--	--
DMW-4	6/30/2010		747.40	6.65	--	740.746	--	--	--	--	--	--	--
DMW-4	8/11/2010	(NM)	747.40	--	--	--	--	--	--	--	--	--	--
DMW-4	11/11/2010		747.40	--	--	--	--	--	--	--	--	--	--
DMW-4	2/17/2011		747.40	6.81	--	740.586	--	--	--	--	--	--	--
DMW-4	10/3/2012		747.40	6.68	--	740.716	--	--	--	--	--	--	--
DMW-4	4/8/2014		747.40	6.46	0.0	740.940	--	--	--	--	--	--	--
DMW-4	11/19/2014	(NS)	747.40	6.36	0.0	741.040	--	--	--	--	--	--	--
DMW-4	4/29/2015	(NS)	747.40	6.29	0.0	741.110	--	--	--	--	--	--	--
DMW-4	8/3/2015	(LFP)	747.40	6.62	0.0	740.780	200(J)	64(J)	<67	**10**	<0.50	9.8	16
DMW-4	11/2/2015	(NS)	747.40	6.55	0.0	740.850	--	--	--	--	--	--	--
DMW-4	2/8/2016	(NS)	747.40	6.02	0.0	741.380	--	--	--	--	--	--	--
DMW-4	9/6/2016	(NS)	747.40	6.72	0.0	740.680	--	--	--	--	--	--	--
DMW-4	2/14/2017	(NS)	747.40	6.62	0.0	740.780	--	--	--	--	--	--	--
DMW-4	6/26/2017	(NS)	747.40	6.23	0.0	741.170	--	--	--	--	--	--	--
DMW-4	9/11/2017	(NS)	747.40	6.45	0.0	740.950	--	--	--	--	--	--	--
DMW-4	2/26/2018	(NS)	747.40	6.20	0.0	741.200	--	--	--	--	--	--	--
DMW-4	9/26/2018	(LFP)	747.40	6.56	--	740.840	<100	<200	254	<1.00	<1.00	1.19	<3.00
DMW-4	3/28/2019	(LFP)	749.28	5.87	0.0	743.410	637	<200	<250	**62.4**	0.550(J)	17.9	171
DMW-4	9/17/2019	(LFP)	749.28	6.23	0.0	743.050	680	277	146(J)	**14.4**	<1.00	11.7	6.60
DMW-4	3/9/2021		749.28	6.10	0	743.180	**1640**	568	119 J	**35.8**	3.52	62.4	187
DMW-4	9/28/2021		749.28	6.42	0	742.860	**3710**	283	<250	**5.29**	1.41	381	94.70
DMW-4	3/16/2022		749.28	6.28	0	743.000	**2230**	**1540**	**1000**	**8.60**	2.6	282	95.50
DMW-4	9/21/2022		749.28	6.68	0	742.600	**5080**	**852**	241J	2.38	2.07	**904**	147.00
DMW-4	3/9/2023	Destroyed	749.28		0		-	-	-	-	-	-	-
DMW-4	10/23/2023	Destroyed	749.28		0								
DMW-5	10/19/1989	(Product observed)	745.31	--	--	--	--	--	--	--	--	--	--
DMW-5	11/8/1989		745.31	7.60	1.78	739.045	--	--	--	--	--	--	--
DMW-5	11/29/1989		745.31	7.67	1.65	738.878	--	--	--	--	--	--	--
DMW-5	12/19/1989		745.31	7.74	1.63	738.792	--	--	--	--	--	--	--
DMW-5	1/29/1992		745.31	6.15	0.42	739.475	--	--	--	--	--	--	--
DMW-5	7/24/1992		745.31	7.59	2.01	739.227	--	--	--	--	--	--	--
DMW-5	11/30/1993		745.31	7.63	1.47	738.782	--	--	--	--	--	--	--
DMW-5	4/26/1994		745.31	6.99	1.06	739.115	--	--	--	--	--	--	--
DMW-5	3/16/1999		745.31	6.41	0.52	739.290	--	--	--	--	--	--	--
DMW-5	6/8/2001		745.31	6.65	0.60	739.110	--	--	--	--	--	--	--
DMW-5	11/15/2001		745.31	7.00	0.75	738.872	--	--	--	--	--	--	--
DMW-5	4/3/2002		745.31	6.69	0.60	739.070	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
DMW-5	9/9/2002		745.31	6.20	0.06	739.155	--	--	--	--	--	--	--
DMW-5	11/18/2002		745.31	6.63	0.61	739.138	--	--	--	--	--	--	--
DMW-5	1/27/2003		745.31	5.68	0.22	739.795	--	--	--	--	--	--	--
DMW-5	4/15/2003		745.31	5.85	0.21	739.617	--	--	--	--	--	--	--
DMW-5	7/29/2003		745.31	6.64	0.36	738.940	--	--	--	--	--	--	--
DMW-5	10/6/2003		745.31	6.56	0.27	738.953	--	--	--	--	--	--	--
DMW-5	2/16/2004		745.31	5.86	0.25	739.638	--	--	--	--	--	--	--
DMW-5	5/24/2004		745.31	5.96	0.18	739.485	--	--	--	--	--	--	--
DMW-5	8/9/2004		745.31	6.25	0.27	739.263	--	--	--	--	--	--	--
DMW-5	11/1/2004		745.31	6.21	0.23	739.273	--	--	--	--	--	--	--
DMW-5	2/28/2005		745.31	6.33	0.23	739.153	--	--	--	--	--	--	--
DMW-5	5/24/2005		745.31	6.34	0.18	739.105	--	--	--	--	--	--	--
DMW-5	8/15/2005		745.31	6.94	0.39	738.662	--	--	--	--	--	--	--
DMW-5	10/24/2005		745.31	6.50	0.24	738.990	--	--	--	--	--	--	--
DMW-5	4/24/2006		745.31	5.95	--	739.360	--	--	--	--	--	--	--
DMW-5	8/28/2006		745.31	6.86	0.34	738.705	--	--	--	--	--	--	--
DMW-5	10/16/2006	(Well monument	745.31	7.16	0.57	738.578	--	--	--	--	--	--	--
DMW-5	12/4/2006	(Surveyed)	748.05	7.14	0.22	741.075	--	--	--	--	--	--	--
DMW-5	3/26/2007		748.05	6.69	--	737.360	--	--	--	--	--	--	--
DMW-5	5/15/2007		748.05	6.54	--	737.510	--	--	--	--	--	--	--
DMW-5	9/18/2007		748.05	6.81	--	737.240	--	--	--	--	--	--	--
DMW-5	12/11/2007		748.05	6.32	--	737.730	--	--	--	--	--	--	--
DMW-5	3/25/2008		748.05	6.67	0.01	737.388	--	--	--	--	--	--	--
DMW-5	5/27/2008		748.05	6.48	--	737.570	--	--	--	--	--	--	--
DMW-5	8/19/2008		748.05	6.73	--	737.320	--	--	--	--	--	--	--
DMW-5	2/10/2009		748.05	6.76	0.02	737.290	--	--	--	--	--	--	--
DMW-5	5/19/2009		748.05	6.77	0.02	737.295	--	--	--	--	--	--	--
DMW-5	8/4/2009		748.05	7.34	0.32	736.950	--	--	--	--	--	--	--
DMW-5	11/10/2009		748.05	6.82	0.02	737.245	--	--	--	--	--	--	--
DMW-5	11/18/2009		748.05	6.73	0.02	737.335	--	--	--	--	--	--	--
DMW-5	2/16/2010		748.64	6.32	--	742.320	--	--	--	--	--	--	--
DMW-5	7/1/2010		748.64	6.63	0.05	742.008	--	--	--	--	--	--	--
DMW-5	8/11/2010		748.64	6.92	0.16	741.718	--	--	--	--	--	--	--
DMW-5	11/11/2010		748.64	6.61	0.09	742.028	--	--	--	--	--	--	--
DMW-5	2/15/2011		748.64	6.31	--	742.328	--	--	--	--	--	--	--
DMW-5	9/12/2011		748.64	6.57	0.01	742.070	--	--	--	--	--	--	--
DMW-5	10/3/2012		748.64	6.66	--	741.978	--	--	--	--	--	--	--
DMW-5	4/7/2014		748.64	6.55	0.0	742.090	--	--	--	--	--	--	--
DMW-5	11/19/2014	(NS)	748.64	6.44	0.0	742.200	--	--	--	--	--	--	--
DMW-5	4/29/2015	(NS)	748.64	6.50	0.0	742.140	--	--	--	--	--	--	--
DMW-5	8/3/2015	(LFP, NAPL)	748.64	7.14	0.12	741.596	**13,000**	**2,100**	<67	**1,700**	80	**1,100**	**2,500**
DMW-5	11/2/2015	(NAPL)	748.64	6.89	0.05	741.790	--	--	--	--	--	--	--
DMW-5	2/8/2016	(NS)	748.64	6.09	0.0	742.550	--	--	--	--	--	--	--
DMW-5	9/6/2016	(NAPL)	748.64	6.90	0.05	741.780	--	--	--	--	--	--	--
DMW-5	6/26/2017	(Unable to access)	748.64	--	--	--	--	--	--	--	--	--	--
DMW-5	9/11/2017	(Unable to access)	748.64	--	--	--	--	--	--	--	--	--	--
DMW-5	2/26/2018	(NS)	748.64	6.42	0.0	742.220	--	--	--	--	--	--	--
DMW-5	9/26/2018	(LFP)	748.64	6.67	--	741.970	**22,900**	**2,930**	**711**	**852**	57.6	**1,150**	**3,090**
DMW-5	3/28/2019	(NG/NS)	748.64	--	--	--	--	--	--	--	--	--	--
DMW-5	9/18/2019	(LFP)	748.64	6.58	0.0	742.060	**20,500**	**1,830**	132(J)	**247**	47.3	**1,830**	**2,820**
DMW-5	3/10/2021		748.64	6.32	0	742.320	**27,400**	**4,580**	**892**	**229**	38.2	**1,970**	**3,590**
DMW-5	9/29/2021		748.64	6.77	0	741.870	NA	**2,010**	<500	**110**	19.3 J	**1,080**	**2,630**
DMW-5	3/16/2022		748.64	6.49	0	742.150	**29500**	**5,040**	**991**	**145**	49.7	**2,570**	**3,920**
DMW-5	9/21/2022		748.64	6.97	0	741.670	**17400**	**3,640**	**614**	**116**	17.1J	**1,290**	**2,030**
DMW-5	3/7/2023		748.64	6.31	0	742.33	**720**	492	<250	**14.5**	.400 J	27.2	36.1
DMW-5	10/24/2023		748.64	6.81	0	741.83	**18200**	**2860**	460	**89.9**	16.9	**1370**	**2080**
DMW-6	10/19/1989	(Product observed)	745.31	--	--	--	--	--	--	--	--	--	--
DMW-6	11/8/1989		745.31	6.56	--	738.750	--	--	--	--	--	--	--
DMW-6	11/29/1989		745.31	6.61	--	738.700	--	--	--	--	--	--	--
DMW-6	12/19/1989		745.31	6.70	--	738.610	--	--	--	--	--	--	--
DMW-6	1/29/1992		745.31	6.22	--	739.090	--	--	--	--	--	--	--
DMW-6	7/24/1992		745.31	6.38	--	738.930	--	--	--	--	--	--	--
DMW-6	11/30/1993		745.31	6.82	--	738.490	--	--	--	--	--	--	--
DMW-6	4/26/1994		745.31	6.44	--	738.870	--	--	--	--	--	--	--
DMW-6	6/7/2001		745.31	6.48	--	738.830	--	--	--	--	--	--	--
DMW-6	11/15/2001		745.31	6.42	--	738.890	--	--	--	--	--	--	--
DMW-6	4/3/2002		745.31	6.55	--	738.760	--	--	--	--	--	--	--
DMW-6	9/9/2002		745.31	6.71	--	738.600	--	--	--	--	--	--	--
DMW-6	11/18/2002		745.31	6.51	--	738.800	--	--	--	--	--	--	--
DMW-6	1/27/2003		745.31	5.91	--	739.400	--	--	--	--	--	--	--
DMW-6	4/15/2003		745.31	6.03	--	739.280	--	--	--	--	--	--	--
DMW-6	7/29/2003		745.31	6.69	--	738.620	--	--	--	--	--	--	--
DMW-6	10/6/2003		745.31	6.67	--	738.640	--	--	--	--	--	--	--
DMW-6	2/16/2004		745.31	6.01	--	739.300	--	--	--	--	--	--	--
DMW-6	5/24/2004		745.31	6.21	--	739.100	--	--	--	--	--	--	--
DMW-6	8/9/2004		745.31	6.38	--	738.930	--	--	--	--	--	--	--
DMW-6	11/1/2004		745.31	6.38	--	738.930	--	--	--	--	--	--	--
DMW-6	2/28/2005		745.31	6.56	--	738.750	--	--	--	--	--	--	--
DMW-6	5/24/2005		745.31	6.58	--	738.730	--	--	--	--	--	--	--
DMW-6	8/15/2005		745.31	6.98	--	738.330	--	--	--	--	--	--	--
DMW-6	10/24/2005		745.31	6.67	--	738.640	--	--	--	--	--	--	--
DMW-6	4/24/2006		745.31	6.34	--	738.970	--	--	--	--	--	--	--
DMW-6	8/28/2006		745.31	6.94	--	738.370	--	--	--	--	--	--	--
DMW-6	10/16/2006	(Well monument	745.31	6.04	--	739.270	--	--	--	--	--	--	--
DMW-6	12/4/2006	(Surveyed)	748.12	7.30	--	740.820	--	--	--	--	--	--	--
DMW-6	3/26/2007		748.12	6.99	--	741.130	--	--	--	--	--	--	--
DMW-6	5/15/2007		748.12	6.85	--	741.270	--	--	--	--	--	--	--
DMW-6	9/18/2007		748.12	7.24	--	740.880	--	--	--	--	--	--	--
DMW-6	12/11/2007		748.12	6.66	--	741.460	--	--	--	--	--	--	--
DMW-6	3/25/2008		748.12	6.88	--	741.240	--	--	--	--	--	--	--
DMW-6	5/27/2008		748.12	6.89	--	741.230	--	--	--	--	--	--	--
DMW-6	8/19/2008		748.12	7.09	--	741.030	--	--	--	--	--	--	--
DMW-6	2/10/2009		748.12	7.07	--	741.050	--	--	--	--	--	--	--
DMW-6	5/19/2009		748.12	7.05	--	741.070	--	--	--	--	--	--	--
DMW-6	8/4/2009		748.12	7.34	--	740.780	--	--	--	--	--	--	--
DMW-6	11/10/2009		748.12	7.23	--	740.890	--	--	--	--	--	--	--
DMW-6	11/18/2009		748.12	7.06	--	741.060	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
DMW-6	2/16/2010		748.57	6.55	--	742.020	--	--	--	--	--	--	--
DMW-6	6/30/2010		748.57	6.86	--	741.709	--	--	--	--	--	--	--
DMW-6	8/11/2010		748.57	7.13	--	741.439	--	--	--	--	--	--	--
DMW-6	11/11/2010		748.57	6.93	--	741.639	--	--	--	--	--	--	--
DMW-6	2/15/2011		748.57	6.71	--	741.859	--	--	--	--	--	--	--
DMW-6	9/12/2011		748.57	6.65	0.0	741.920	--	--	--	--	--	--	--
DMW-6	10/3/2012		748.57	6.99	--	741.579	--	--	--	--	--	--	--
DMW-6	4/7/2014		748.57	6.85	0.0	741.720	--	--	--	--	--	--	--
DMW-6	11/19/2014	(NS)	748.57	6.73	0.0	741.840	--	--	--	--	--	--	--
DMW-6	4/29/2015	(NS)	748.57	6.74	0.0	741.830	--	--	--	--	--	--	--
DMW-6	8/3/2015	(NS)	748.57	7.26	0.0	741.310	--	--	--	--	--	--	--
DMW-6	11/2/2015	(NS)	748.57	7.23	0.0	741.340	--	--	--	--	--	--	--
DMW-6	2/8/2016	(NS)	748.57	6.38	0.0	742.190	--	--	--	--	--	--	--
DMW-6	9/6/2016	(NS)	748.57	7.59	0.0	740.980	--	--	--	--	--	--	--
DMW-6	2/14/2017	(NS)	748.57	6.90	0.0	741.670	--	--	--	--	--	--	--
DMW-6	6/26/2017	(NS)	748.57	6.77	0.0	741.800	--	--	--	--	--	--	--
DMW-6	9/11/2017	(NS)	748.57	7.06	0.0	741.510	--	--	--	--	--	--	--
DMW-6	2/26/2018	(NS)	748.57	6.79	0.0	741.780	--	--	--	--	--	--	--
DMW-6	9/25/2018	(NS)	748.57	6.89	--	741.680	--	--	--	--	--	--	--
DMW-6	3/28/2019	(NS)	748.57	6.28	0.0	742.290	--	--	--	--	--	--	--
DMW-6	9/17/2019	(NS)	748.57	6.68	0.0	741.890	--	--	--	--	--	--	--
DMW-6	3/8/2021	(NS)	748.57	6.43	0	742.140	--	--	--	--	--	--	--
DMW-6	9/28/2021	(NS)	748.57	6.87	0	741.700	--	--	--	--	--	--	--
DMW-6	3/16/2022		748.57	6.20	0	742.370							
DMW-6	9/21/2022		748.57	7.03	0	741.540							
DMW-6	3/6/2023		748.57	6.43	0	742.1400073	-	-	-	-	-	-	-
DMW-6	10/23/2023		748.57	6.67	0	741.9000073							
MW-01	8/29/1991		746.77	6.90	0.35	740.133	--	--	--	--	--	--	--
MW-01	1/29/1992		746.77	6.75	0.22	740.185	--	--	--	--	--	--	--
MW-01	7/24/1992		746.77	6.34	0.24	740.610	--	--	--	--	--	--	--
MW-01	11/30/1993		746.77	8.06	1.64	739.940	--	--	--	--	--	--	--
MW-01	4/26/1994		746.77	6.84	0.45	740.268	--	--	--	--	--	--	--
MW-01	3/16/1999		746.77	6.45	0.11	740.403	--	--	--	--	--	--	--
MW-01	6/8/2001		746.77	6.70	0.22	740.235	--	--	--	--	--	--	--
MW-01	11/18/2001		746.77	6.87	0.21	740.057	--	--	--	--	--	--	--
MW-01	4/3/2002		746.77	6.71	0.18	740.195	--	--	--	--	--	--	--
MW-01	9/9/2002		746.77	6.84	0.21	740.088	--	--	--	--	--	--	--
MW-01	11/18/2002		746.77	6.48	--	740.290	--	--	--	--	--	--	--
MW-01	1/27/2003		746.77	5.67	0.06	741.145	--	--	--	--	--	--	--
MW-01	4/15/2003		746.77	5.60	0.07	741.222	--	--	--	--	--	--	--
MW-01	7/29/2003		746.77	6.77	0.10	740.075	--	--	--	--	--	--	--
MW-01	10/6/2003		746.77	6.71	0.05	740.097	--	--	--	--	--	--	--
MW-01	2/16/2004		746.77	5.98	0.07	740.843	--	--	--	--	--	--	--
MW-01	5/24/2004		746.77	6.15	--	740.620	--	--	--	--	--	--	--
MW-01	8/9/2004		746.77	6.37	--	740.400	--	--	--	--	--	--	--
MW-01	11/1/2004		746.77	6.35	--	740.420	--	--	--	--	--	--	--
MW-01	2/28/2005		746.77	6.45	--	740.320	--	--	--	--	--	--	--
MW-01	5/24/2005		746.77	6.47	--	740.300	--	--	--	--	--	--	--
MW-01	8/15/2005		746.77	7.12	--	739.650	--	--	--	--	--	--	--
MW-01	10/24/2005		746.77	6.60	--	740.170	--	--	--	--	--	--	--
MW-01	4/24/2006	(Well maintenance	746.77	6.26	--	740.510	--	--	--	--	--	--	--
MW-01	8/28/2006		746.77	6.97	--	739.800	--	--	--	--	--	--	--
MW-01	10/16/2006	(Well maintenance	746.77	6.95	--	739.820	--	--	--	--	--	--	--
MW-01	12/4/2006		746.77	6.96	--	739.810	--	--	--	--	--	--	--
MW-01	3/26/2007		746.77	6.69	--	740.080	--	--	--	--	--	--	--
MW-01	5/15/2007		746.77	6.51	--	740.260	--	--	--	--	--	--	--
MW-01	9/18/2007		746.77	6.93	--	739.840	--	--	--	--	--	--	--
MW-01	12/11/2007		746.77	6.17	--	740.600	--	--	--	--	--	--	--
MW-01	3/25/2008		746.77	6.53	--	740.240	--	--	--	--	--	--	--
MW-01	5/27/2008		746.77	6.40	--	740.370	--	--	--	--	--	--	--
MW-01	8/19/2008		746.77	6.79	0.05	740.018	--	--	--	--	--	--	--
MW-01	11/18/2008		746.77	6.64	--	740.130	--	--	--	--	--	--	--
MW-01	2/10/2009		746.77	6.68	--	740.090	--	--	--	--	--	--	--
MW-01	5/19/2009		746.77	6.71	--	740.060	--	--	--	--	--	--	--
MW-01	8/4/2009		746.77	7.07	--	739.700	--	--	--	--	--	--	--
MW-01	11/10/2009		746.77	6.83	--	739.940	--	--	--	--	--	--	--
MW-01	2/16/2010		749.78	6.03	--	743.750	--	--	--	--	--	--	--
MW-01	6/30/2010		749.78	6.34	--	743.437	--	--	--	--	--	--	--
MW-01	8/11/2010		749.78	6.76	--	743.017	--	--	--	--	--	--	--
MW-01	11/11/2010		749.78	6.31	--	743.467	--	--	--	--	--	--	--
MW-01	2/15/2011		749.78	6.20	--	743.577	--	--	--	--	--	--	--
MW-01	9/12/2011		749.78	6.50	0.0	743.280	--	--	--	--	--	--	--
MW-01	10/3/2012		749.78	6.62	--	743.157	--	--	--	--	--	--	--
MW-01	4/7/2014	(LF)	749.78	6.55	0.0	743.230	--	--	--	--	--	--	--
MW-01	11/19/2014	(NS)	749.78	5.45	0.0	744.330	--	--	--	--	--	--	--
MW-01	4/29/2015	(NS)	749.78	6.44	0.0	743.340	--	--	--	--	--	--	--
MW-01	8/3/2015	(NS)	749.78	7.11	0.0	742.670	--	--	--	--	--	--	--
MW-01	11/2/2015	(NS)	749.78	6.99	0.0	742.790	--	--	--	--	--	--	--
MW-01	2/8/2016	(NS)	749.78	5.79	0.0	743.990	--	--	--	--	--	--	--
MW-01	9/6/2016	(NS)	749.78	6.92	0.0	742.860	--	--	--	--	--	--	--
MW-01	2/14/2017	(NS)	749.78	6.10	0.0	743.680	--	--	--	--	--	--	--
MW-01	6/26/2017	(NS)	749.78	6.41	0.0	743.370	--	--	--	--	--	--	--
MW-01	9/11/2017	(NS)	749.78	6.50	0.0	743.280	--	--	--	--	--	--	--
MW-01	2/26/2018	(NS)	749.78	6.41	0.0	743.370	--	--	--	--	--	--	--
MW-01	9/27/2018	(LFP)	749.78	6.70	--	743.080	58.8(B J)	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-01	3/29/2019	(Dup)(LFP)	749.78	5.91	0.0	743.870	<100	--	--	<1.00	<1.00	<1.00	<3.00
MW-01	3/29/2019	(LFP)	749.78	5.91	0.0	743.870	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-01	9/18/2019	(LFP)	749.78	6.65	0.0	743.130	<100	<200	120(J)	<1.00	<1.00	<1.00	<3.00
MW-01	2/21/2020		749.78	6.68	0.0	743.100	32(J,B)	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-01	9/29/2020		749.78	6.72	0	743.060	32.3(B,J)	<200	229(J)	0.220(J)	<1.00	<1.00	<3.00
MW-01	3/8/2021		749.78	6.41	0	743.370	<100	<200	152 J	<1.00	<1.00	<1.00	<3.00
MW-01	9/29/2021		749.78	6.81	0	742.970	87 B,J	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-01	3/16/2022		749.78	5.52	0	744.260	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-01	9/22/2022		749.78	7.1	0	742.680	<100	87.6J	<250	<1.00	<1.00	<1.00	<3.00
MW-01	3/7/2023		748.41	6.12	0	742.2899731	96.9 BJ	129 J	145 J	<1.00	<1.00	<1.00	<3.00
MW-01	10/24/2023		748.41	5.94	0	742.4699731	366	<200	113J	3.74	8.87	32.6	78.7
MW-02	1/29/1992		746.22	6.36	0.02	739.875	--	--	--	--	--	--	--

APPENDIX A

Historic Groundwater Gauging Data and Analytical Results

Manhole 34

Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-02	7/24/1992		746.22	6.04	0.04	740.210	--	--	--	--	--	--	--
MW-02	11/30/1993		746.22	7.09	0.67	739.633	--	--	--	--	--	--	--
MW-02	4/26/1994		746.22	6.28	0.05	739.977	--	--	--	--	--	--	--
MW-02	6/8/2001		746.22	6.29	--	739.930	--	--	--	--	--	--	--
MW-02	11/15/2001		746.22	6.50	--	739.720	--	--	--	--	--	--	--
MW-02	4/3/2002		746.22	6.34	--	739.880	--	--	--	--	--	--	--
MW-02	9/9/2002		746.22	6.46	--	739.760	--	--	--	--	--	--	--
MW-02	11/18/2002		746.22	6.26	--	739.960	--	--	--	--	--	--	--
MW-02	1/27/2003		746.22	5.55	--	740.670	--	--	--	--	--	--	--
MW-02	4/15/2003		746.22	5.69	0.01	740.537	--	--	--	--	--	--	--
MW-02	7/29/2003		746.22	6.44	--	739.780	--	--	--	--	--	--	--
MW-02	10/6/2003		746.22	6.43	0.01	739.797	--	--	--	--	--	--	--
MW-02	2/16/2004		746.22	5.79	--	740.430	--	--	--	--	--	--	--
MW-02	5/24/2004		746.22	5.92	--	740.300	--	--	--	--	--	--	--
MW-02	8/9/2004		746.22	6.11	--	740.110	--	--	--	--	--	--	--
MW-02	11/1/2004		746.22	6.12	--	740.100	--	--	--	--	--	--	--
MW-02	2/28/2005		746.22	6.20	--	740.020	--	--	--	--	--	--	--
MW-02	5/24/2005		746.22	6.27	--	739.950	--	--	--	--	--	--	--
MW-02	8/15/2005		746.22	6.77	--	739.450	--	--	--	--	--	--	--
MW-02	10/24/2005		746.22	6.38	--	739.840	--	--	--	--	--	--	--
MW-02	4/24/2006	(Well maintenance	746.22	6.06	--	740.160	--	--	--	--	--	--	--
MW-02	8/28/2006		746.22	6.65	--	739.570	--	--	--	--	--	--	--
MW-02	10/16/2006		746.22	7.76	--	738.460	--	--	--	--	--	--	--
MW-02	12/4/2006		746.22	6.68	--	739.540	--	--	--	--	--	--	--
MW-02	3/26/2007		746.22	6.44	--	739.780	--	--	--	--	--	--	--
MW-02	5/15/2007		746.22	6.29	--	739.930	--	--	--	--	--	--	--
MW-02	9/18/2007		746.22	6.67	--	739.550	--	--	--	--	--	--	--
MW-02	12/11/2007		746.22	6.03	--	740.190	--	--	--	--	--	--	--
MW-02	3/25/2008		746.22	6.31	--	739.910	--	--	--	--	--	--	--
MW-02	5/27/2008		746.22	6.19	--	740.030	--	--	--	--	--	--	--
MW-02	8/19/2008		746.22	6.49	--	739.730	--	--	--	--	--	--	--
MW-02	11/18/2008		746.22	6.34	--	739.880	--	--	--	--	--	--	--
MW-02	2/10/2009		746.22	6.46	--	739.760	--	--	--	--	--	--	--
MW-02	5/19/2009		746.22	6.47	--	739.750	--	--	--	--	--	--	--
MW-02	8/4/2009		746.22	6.79	--	739.430	--	--	--	--	--	--	--
MW-02	11/11/2009		746.22	6.87	--	739.350	--	--	--	--	--	--	--
MW-02	2/16/2010		749.22	5.88	--	743.340	--	--	--	--	--	--	--
MW-02	6/30/2010		749.22	6.21	--	743.012	--	--	--	--	--	--	--
MW-02	8/11/2010		749.22	6.51	--	742.712	--	--	--	--	--	--	--
MW-02	11/11/2010		749.22	6.17	--	743.052	--	--	--	--	--	--	--
MW-02	2/15/2011		749.22	6.04	--	743.182	--	--	--	--	--	--	--
MW-02	9/12/2011		749.22	6.31	0.0	742.910	--	--	--	--	--	--	--
MW-02	10/3/2012		749.22	6.41	--	742.812	--	--	--	--	--	--	--
MW-02	4/7/2014		749.22	6.34	0.0	742.880	--	--	--	--	--	--	--
MW-02	11/19/2014	(NS)	749.22	6.25	0.0	742.970	--	--	--	--	--	--	--
MW-02	4/29/2015	(NS)	749.22	6.22	0.0	743.000	--	--	--	--	--	--	--
MW-02	8/3/2015	(NS)	749.22	6.98	0.0	742.240	--	--	--	--	--	--	--
MW-02	11/2/2015	(NS)	749.22	6.47	0.0	742.750	--	--	--	--	--	--	--
MW-02	2/8/2016	(NS)	749.22	5.77	0.0	743.450	--	--	--	--	--	--	--
MW-02	9/6/2016	(NS)	749.22	6.69	0.0	742.530	--	--	--	--	--	--	--
MW-02	2/14/2017	(NS)	749.22	5.62	0.0	743.600	--	--	--	--	--	--	--
MW-02	6/26/2017	(NS)	749.22	6.27	0.0	742.950	--	--	--	--	--	--	--
MW-02	9/11/2017	(NS)	749.22	6.41	0.0	742.810	--	--	--	--	--	--	--
MW-02	2/26/2018	(NS)	749.22	6.31	0.0	742.910	--	--	--	--	--	--	--
MW-02	9/27/2018	(LFP)	749.22	6.45	--	742.770	85.2(B J)	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-02	9/27/2018	(Dup)(LFP)	749.22	6.45	--	742.770	77.1(B J)	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-02	3/29/2019	(LFP)	749.22	5.75	0.0	743.470	105	<200	<250	<1.00	<1.00	<1.00	1.09(J)
MW-02	9/18/2019	(LFP)	749.22	5.95	0.0	743.270	<100	<200	108(J)	0.415(J)	<1.00	<1.00	1.80(J)
MW-02	2/21/2020		749.22	6.45	0.0	742.770	647	<200	<250	4.09	<1.00	4.04	9.49
MW-02	9/29/2020		749.22	6.44	0	742.780	487	116(J)	112(J)	0.198(J)	<1.00	0.177(J)	2.02
MW-02	3/9/2021		749.22	6.19	0	743.030	**837**	354	259	**8.69**	.443 J	4.1	12.9
MW-02	9/29/2021		749.22	6.55	0	742.670	500	<200	<250	0.271 J	<1.00	<1.00	1.87 J
MW-02	3/16/2022		749.22	6.41	0	742.810	479	<200	<250	2.34	0.494J	3.05	13.3
MW-02	9/22/2022		749.22	6.56	0	742.660	508	220	<250	0.115J	<1.00	0.422J	4.67
MW-02	3/7/2023		748.08	6.09	0	741.99	356 B	**530**	201 J	<1.00	<1.00	<1.00	.419 J
MW-02	10/24/2023		748.08	6.81	0	741.27	129	317	118J	0.183J	<1.00	<1.00	0.267J
MW-03	8/29/1991		746.17	7.75	1.50	739.545	--	--	--	--	--	--	--
MW-03	1/29/1992		746.17	7.16	0.71	739.542	--	--	--	--	--	--	--
MW-03	7/24/1992		746.17	7.12	1.02	739.815	--	--	--	--	--	--	--
MW-03	11/30/1993		746.17	7.66	1.07	739.313	--	--	--	--	--	--	--
MW-03	4/26/1994		746.17	7.13	0.77	739.617	--	--	--	--	--	--	--
MW-03	3/16/1999		746.17	6.76	0.50	739.785	--	--	--	--	--	--	--
MW-03	6/8/2001		746.17	6.89	0.43	739.602	--	--	--	--	--	--	--
MW-03	11/15/2001		746.17	6.66	0.01	739.518	--	--	--	--	--	--	--
MW-03	4/3/2002		746.17	6.92	0.39	739.542	--	--	--	--	--	--	--
MW-03	9/9/2002		746.17	7.03	0.39	739.432	--	--	--	--	--	--	--
MW-03	11/18/2002		746.17	6.94	0.51	739.612	--	--	--	--	--	--	--
MW-03	1/27/2003		746.17	6.33	0.60	740.290	--	--	--	--	--	--	--
MW-03	4/15/2003		746.17	6.31	0.33	740.107	--	--	--	--	--	--	--
MW-03	7/29/2003		746.17	6.93	0.28	739.450	--	--	--	--	--	--	--
MW-03	10/6/2003		746.17	6.96	0.32	739.450	--	--	--	--	--	--	--
MW-03	2/16/2004		746.17	6.30	0.30	740.095	--	--	--	--	--	--	--
MW-03	5/24/2004		746.17	6.17	0.01	740.008	--	--	--	--	--	--	--
MW-03	8/9/2004		746.17	6.57	0.21	739.758	--	--	--	--	--	--	--
MW-03	11/1/2004		746.17	6.51	0.13	739.758	--	--	--	--	--	--	--
MW-03	2/28/2005		746.17	6.58	0.07	739.643	--	--	--	--	--	--	--
MW-03	5/24/2005		746.17	6.67	0.07	739.552	--	--	--	--	--	--	--
MW-03	8/15/2005		746.17	7.09	0.04	739.110	--	--	--	--	--	--	--
MW-03	10/24/2005		746.17	6.81	0.12	739.450	--	--	--	--	--	--	--
MW-03	4/24/2006	(Well maintenance	746.17	6.47	0.11	739.782	--	--	--	--	--	--	--
MW-03	8/28/2006		746.17	6.98	--	739.190	--	--	--	--	--	--	--
MW-03	10/16/2006		746.17	7.11	--	739.060	--	--	--	--	--	--	--
MW-03	12/4/2006		746.17	7.12	0.13	739.148	--	--	--	--	--	--	--
MW-03	3/26/2007		746.17	6.76	(Sheen)	739.410	--	--	--	--	--	--	--
MW-03	5/15/2007		746.17	6.61	--	739.560	--	--	--	--	--	--	--
MW-03	9/18/2007		746.17	7.71	0.90	739.135	--	--	--	--	--	--	--
MW-03	12/11/2007		746.17	6.38	--	739.790	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-03	3/25/2008		746.17	6.62	0.01	739.557	--	--	--	--	--	--	--
MW-03	5/27/2008		746.17	6.52	0.01	739.657	--	--	--	--	--	--	--
MW-03	8/21/2008		746.17	6.78	(Sheen)	739.390	--	--	--	--	--	--	--
MW-03	11/18/2008		746.17	6.75	(Sheen)	739.420	--	--	--	--	--	--	--
MW-03	2/10/2009		746.17	6.86	0.08	739.420	--	--	--	--	--	--	--
MW-03	5/19/2009		746.17	6.84	0.04	739.410	--	--	--	--	--	--	--
MW-03	8/4/2009		746.17	7.14	0.04	739.110	--	--	--	--	--	--	--
MW-03	11/10/2009		746.17	7.00	0.10	739.295	--	--	--	--	--	--	--
MW-03	2/16/2010		749.17	6.22	--	742.950	--	--	--	--	--	--	--
MW-03	6/30/2010		749.17	6.53	--	742.643	--	--	--	--	--	--	--
MW-03	8/11/2010		749.17	6.81	0.01	742.363	--	--	--	--	--	--	--
MW-03	11/11/2010		749.17	6.55	0.01	742.623	--	--	--	--	--	--	--
MW-03	2/15/2011		749.17	6.34	--	742.833	--	--	--	--	--	--	--
MW-03	9/12/2011		749.17	6.60	0.01	742.570	--	--	--	--	--	--	--
MW-03	10/3/2012		749.17	6.66	0.02	742.513	--	--	--	--	--	--	--
MW-03	4/7/2014		749.17	6.60	0.0	742.570	--	--	--	--	--	--	--
MW-03	11/19/2014	(NAPL)	749.17	6.48	0.03	742.714	--	--	--	--	--	--	--
MW-03	4/29/2015	(NAPL)	749.17	6.49	0.02	742.696	--	--	--	--	--	--	--
MW-03	8/3/2015	(NAPL)	749.17	7.13	0.06	742.088	--	--	--	--	--	--	--
MW-03	11/2/2015	(NAPL)	749.17	6.96	0.07	742.266	--	--	--	--	--	--	--
MW-03	2/8/2016	(NS)	749.17	6.03	0.0	743.140	--	--	--	--	--	--	--
MW-03	9/6/2016	(NAPL)	749.17	6.96	0.06	742.258	--	--	--	--	--	--	--
MW-03	2/14/2017	(NS)	749.17	6.02	0.0	743.150	--	--	--	--	--	--	--
MW-03	6/26/2017	(NS)	749.17	6.55	0.0	742.620	--	--	--	--	--	--	--
MW-03	9/11/2017	(NS)	749.17	6.80	0.0	742.370	--	--	--	--	--	--	--
MW-03	2/26/2018	(NS)	749.17	6.56	0.0	742.610	--	--	--	--	--	--	--
MW-03	9/25/2018	(NS)	749.17	6.75	0.05	742.420	--	--	--	--	--	--	--
MW-03	3/28/2019	(NS)	749.17	6.24	0.06	742.930	--	--	--	--	--	--	--
MW-03	9/18/2019	(LFP)	749.17	6.80	0.0	742.370	**2,390**	240	<250	**289**	173	212	810
MW-03	3/16/2022		749.17	6.82	0	742.350	**6,210**	**791**	<250	**290**	56.5	278	**1050**
MW-03	9/22/2022		749.17	7.02	0	742.150	**4,100**	283	<250	**171**	30.1	111	480
MW-03	3/7/2023	SOCK	748.96	6.71	0	742.25	**13300**	**1110**	<250	**349**	28.4	284	808
MW-03	10/24/2023		748.96	7.13	0	741.83	**4970**	297	<250	**93.3**	9.37J	40.1	198
MW-04	8/29/1991		746.85	9.15	3.15	740.063	--	--	--	--	--	--	--
MW-04	1/29/1992		746.85	8.28	1.55	739.732	--	--	--	--	--	--	--
MW-04	7/24/1992		746.85	8.72	2.50	740.005	--	--	--	--	--	--	--
MW-04	11/30/1993		746.85	8.82	1.94	739.485	--	--	--	--	--	--	--
MW-04	4/26/1994		746.85	8.20	1.58	739.835	--	--	--	--	--	--	--
MW-04	3/16/1999		746.85	7.91	1.40	739.990	--	--	--	--	--	--	--
MW-04	6/8/2001		746.85	8.13	1.46	739.815	--	--	--	--	--	--	--
MW-04	11/15/2001		746.85	8.61	1.85	739.628	--	--	--	--	--	--	--
MW-04	4/3/2002		746.85	8.02	1.25	739.768	--	--	--	--	--	--	--
MW-04	9/9/2002		746.85	8.79	2.11	739.643	--	--	--	--	--	--	--
MW-04	11/18/2002		746.85	6.57	0.01	740.287	--	--	--	--	--	--	--
MW-04	1/27/2003		746.85	6.93	0.93	740.617	--	--	--	--	--	--	--
MW-04	4/15/2003		746.85	7.12	0.97	740.458	--	--	--	--	--	--	--
MW-04	7/29/2003		746.85	8.48	1.71	739.653	--	--	--	--	--	--	--
MW-04	10/6/2003		746.85	8.88	2.24	739.650	--	--	--	--	--	--	--
MW-04	2/16/2004		746.85	7.40	1.21	740.357	--	--	--	--	--	--	--
MW-04	5/24/2004		746.85	7.57	1.22	740.195	--	--	--	--	--	--	--
MW-04	8/9/2004		746.85	8.13	1.68	739.980	--	--	--	--	--	--	--
MW-04	11/1/2004		746.85	8.16	1.73	739.987	--	--	--	--	--	--	--
MW-04	2/28/2005		746.85	7.86	1.21	739.898	--	--	--	--	--	--	--
MW-04	5/24/2005		746.85	7.98	1.29	739.838	--	--	--	--	--	--	--
MW-04	8/15/2005		746.85	7.84	0.75	739.573	--	--	--	--	--	--	--
MW-04	10/24/2005		746.85	8.52	1.87	739.732	--	--	--	--	--	--	--
MW-04	4/24/2006		746.85	7.83	1.40	740.070	--	--	--	--	--	--	--
MW-04	8/28/2006		746.85	7.13	0.09	739.787	--	--	--	--	--	--	--
MW-04	10/16/2006	(Well monument	746.85	8.36	1.22	739.405	--	--	--	--	--	--	--
MW-04	12/4/2006		746.85	8.15	0.95	739.412	--	--	--	--	--	--	--
MW-04	3/26/2007		746.85	6.89	(Sheen)	739.960	--	--	--	--	--	--	--
MW-04	5/15/2007		746.85	7.48	0.68	739.880	--	--	--	--	--	--	--
MW-04	9/18/2007		746.85	8.16	1.06	739.485	--	--	--	--	--	--	--
MW-04	12/11/2007		746.85	7.38	0.98	740.205	--	--	--	--	--	--	--
MW-04	3/25/2008		746.85	6.82	0.05	740.068	--	--	--	--	--	--	--
MW-04	5/27/2008		746.85	7.30	0.58	739.985	--	--	--	--	--	--	--
MW-04	8/19/2008		746.85	7.58	0.51	739.653	--	--	--	--	--	--	--
MW-04	11/18/2008		746.85	8.15	1.33	739.698	--	--	--	--	--	--	--
MW-04	2/10/2009		746.85	7.68	0.66	738.985	--	--	--	--	--	--	--
MW-04	5/19/2009		746.85	7.60	0.55	738.982	--	--	--	--	--	--	--
MW-04	8/4/2009		746.85	7.82	0.40	738.650	--	--	--	--	--	--	--
MW-04	11/10/2009		746.85	8.18	1.12	738.830	--	--	--	--	--	--	--
MW-04	2/16/2010		749.85	7.00	0.78	742.850	--	--	--	--	--	--	--
MW-04	6/30/2010		749.85	7.31	0.52	742.543	--	--	--	--	--	--	--
MW-04	8/11/2010		749.85	7.58	0.47	742.273	--	--	--	--	--	--	--
MW-04	11/11/2010		749.85	6.58	0.02	743.273	--	--	--	--	--	--	--
MW-04	2/15/2011		749.85	6.99	0.40	742.863	--	--	--	--	--	--	--
MW-04	9/12/2011		749.85	7.61	0.81	742.240	--	--	--	--	--	--	--
MW-04	10/3/2012		749.85	7.73	0.81	742.123	--	--	--	--	--	--	--
MW-04	4/7/2014		749.85	7.60	0.78	742.870	--	--	--	--	--	--	--
MW-04	11/19/2014	(NAPL)	749.85	7.60	1.90	743.770	--	--	--	--	--	--	--
MW-04	4/29/2015	(NAPL)	749.85	7.48	0.74	742.962	--	--	--	--	--	--	--
MW-04	8/3/2015	(NAPL)	749.85	8.09	0.70	742.320	--	--	--	--	--	--	--
MW-04	11/2/2015	(NAPL)	749.85	7.84	0.67	742.546	--	--	--	--	--	--	--
MW-04	2/8/2016	(NAPL)	749.85	6.75	0.50	743.500	--	--	--	--	--	--	--
MW-04	9/6/2016	(NAPL)	749.85	7.85	0.71	742.568	--	--	--	--	--	--	--
MW-04	2/14/2017	(NS)	749.85	6.55	0.41	743.628	--	--	--	--	--	--	--
MW-04	6/26/2017	(NS)	749.85	7.02	0.07	742.886	--	--	--	--	--	--	--
MW-04	9/11/2017	(NS)	749.85	7.55	0.19	742.452	--	--	--	--	--	--	--
MW-04	2/26/2018	(NS)	749.85	6.99	0.04	742.892	--	--	--	--	--	--	--
MW-04	9/25/2018	(NS)	749.85	7.24	0.04	742.610	--	--	--	--	--	--	--
MW-04	3/28/2019	(NS)	749.85	6.86	0.03	742.990	--	--	--	--	--	--	--
MW-04	9/17/2019	(NS)	749.85	7.35	0.05	742.540	--	--	--	--	--	--	--
MW-04	2/20/2020	(NS)	749.85	6.45	0.01	743.408	--	--	--	--	--	--	--
MW-04	9/28/2020	(NS)	749.85	7.22	0.03	742.654							
MW-04	3/8/2021	(NS)	749.85	6.90	0.07	743.006	--	--	--	--	--	--	--
MW-04	9/29/2021		749.85	7.37	0	742.480	**70700 Q**	**1820**	<500	**2190**	**3420**	**1210**	**7040**

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-04	3/16/2022	(Odor)	749.85	7.20	0	742.650	**55,600**	**5,100**	<5000	**2880**	**5130**	**1730**	**11800**
MW-04	9/21/2022	(NAPL)	749.85	7.57	0.09	742.352							
MW-04	3/7/2023	SOCK	749.28	4.22	0	745.06	**73400**	**6570**	285	**4060**	**4900**	**1860**	**10200**
MW-04	10/24/2023		749.28	7.46	0	741.82	**61100**	**4450**	299	**4010**	**4130**	**1790**	**9730**
MW-05	8/29/1991		746.74	9.15	3.15	739.953	--	--	--	--	--	--	--
MW-05	1/29/1992		746.74	8.11	1.84	740.010	--	--	--	--	--	--	--
MW-05	7/24/1992		746.74	8.41	2.75	740.393	--	--	--	--	--	--	--
MW-05	11/30/1993		746.74	8.51	2.05	739.768	--	--	--	--	--	--	--
MW-05	4/26/1994		746.74	7.92	1.74	740.125	--	--	--	--	--	--	--
MW-05	6/8/2001		746.74	6.40	--	740.340	--	--	--	--	--	--	--
MW-05	11/15/2001		746.74	6.55	--	740.190	--	--	--	--	--	--	--
MW-05	4/3/2002		746.74	6.48	--	740.260	--	--	--	--	--	--	--
MW-05	9/9/2002		746.74	6.56	--	740.180	--	--	--	--	--	--	--
MW-05	11/18/2002		746.74	6.36	--	740.380	--	--	--	--	--	--	--
MW-05	1/27/2003		746.74	6.05	--	740.690	--	--	--	--	--	--	--
MW-05	4/15/2003		746.74	5.94	0.01	740.807	--	--	--	--	--	--	--
MW-05	7/29/2003		746.74	6.61	--	740.130	--	--	--	--	--	--	--
MW-05	10/6/2003		746.74	6.59	0.01	740.157	--	--	--	--	--	--	--
MW-05	2/16/2004		746.74	6.13	--	740.610	--	--	--	--	--	--	--
MW-05	5/24/2004		746.74	6.14	--	740.600	--	--	--	--	--	--	--
MW-05	8/9/2004		746.74	6.29	--	740.450	--	--	--	--	--	--	--
MW-05	11/1/2004	(Well abandoned	746.74	--	--	--	--	--	--	--	--	--	--
MW-05	8/28/2006		746.74	7.90	1.60	740.040	--	--	--	--	--	--	--
MW-05	10/16/2006	(Well monument	746.74	8.12	1.86	740.015	--	--	--	--	--	--	--
MW-05	12/4/2006	(Surveyed)	747.28	7.74	0.94	740.245	--	--	--	--	--	--	--
MW-05	3/26/2007		747.28	7.17	0.54	740.515	--	--	--	--	--	--	--
MW-05	5/15/2007		747.28	7.04	0.66	740.735	--	--	--	--	--	--	--
MW-05	9/18/2007		747.28	8.50	1.95	740.242	--	--	--	--	--	--	--
MW-05	12/11/2007		747.28	6.74	0.69	741.057	--	--	--	--	--	--	--
MW-05	3/25/2008		747.28	6.65	0.23	740.802	--	--	--	--	--	--	--
MW-05	5/27/2008		747.28	6.71	0.36	740.840	--	--	--	--	--	--	--
MW-05	8/19/2008		747.28	7.87	1.36	740.430	--	--	--	--	--	--	--
MW-05	11/18/2008		747.28	7.49	1.02	740.555	--	--	--	--	--	--	--
MW-05	2/10/2009		747.28	6.90	0.25	740.138	--	--	--	--	--	--	--
MW-05	5/19/2009		747.28	6.95	0.25	740.088	--	--	--	--	--	--	--
MW-05	8/4/2009		747.28	8.43	1.64	739.650	--	--	--	--	--	--	--
MW-05	11/10/2009		747.28	7.69	1.01	739.917	--	--	--	--	--	--	--
MW-05	2/16/2010		749.73	5.96	0.04	743.770	--	--	--	--	--	--	--
MW-05	6/30/2010		749.73	6.26	0.36	743.468	--	--	--	--	--	--	--
MW-05	8/11/2010		749.73	7.19	0.46	742.538	--	--	--	--	--	--	--
MW-05	11/11/2010		749.73	6.70	0.52	743.028	--	--	--	--	--	--	--
MW-05	2/15/2011		749.73	6.32	0.21	743.408	--	--	--	--	--	--	--
MW-05	9/12/2011		749.73	7.17	0.77	742.560	--	--	--	--	--	--	--
MW-05	10/3/2012		749.73	7.01	0.42	742.718	--	--	--	--	--	--	--
MW-05	10/7/2013	(ABN)	--	--	--	--	--	--	--	--	--	--	--
MW-06	8/29/1991		746.79	8.00	2.00	740.290	--	--	--	--	--	--	--
MW-06	1/29/1992		746.79	7.27	1.11	740.352	--	--	--	--	--	--	--
MW-06	7/24/1992		746.79	7.20	1.70	740.865	--	--	--	--	--	--	--
MW-06	11/30/1993		746.79	7.34	0.89	740.117	--	--	--	--	--	--	--
MW-06	4/26/1994		746.79	7.34	1.21	740.357	--	--	--	--	--	--	--
MW-06	11/15/2001		746.79	--	--	--	--	--	--	--	--	--	--
MW-06	9/9/2002	(Well abandoned	746.79	--	--	--	--	--	--	--	--	--	--
MW-07	8/29/1991		746.17	9.00	3.10	739.495	--	--	--	--	--	--	--
MW-07	1/29/1992		746.17	8.21	2.12	739.550	--	--	--	--	--	--	--
MW-07	7/24/1992		746.17	8.14	3.02	740.295	--	--	--	--	--	--	--
MW-07	11/30/1993		746.17	8.89	2.69	739.297	--	--	--	--	--	--	--
MW-07	4/26/1994		746.17	8.35	2.42	739.635	--	--	--	--	--	--	--
MW-07	6/8/2001		746.17	6.11	--	740.060	--	--	--	--	--	--	--
MW-07	11/15/2001		746.17	7.41	1.20	739.660	--	--	--	--	--	--	--
MW-07	4/3/2002	(Well Inaccessible)	746.17	--	--	--	--	--	--	--	--	--	--
MW-07	9/9/2002	(Well Inaccessible)	746.17	--	--	--	--	--	--	--	--	--	--
MW-07	11/18/2002	(Well Inaccessible)	746.17	--	--	--	--	--	--	--	--	--	--
MW-07	1/27/2003	(Access to well	746.17	6.23	0.79	740.532	--	--	--	--	--	--	--
MW-07	4/15/2003		746.17	7.05	1.48	740.230	--	--	--	--	--	--	--
MW-07	7/29/2003		746.17	8.25	2.00	739.420	--	--	--	--	--	--	--
MW-07	10/6/2003		746.17	8.57	2.45	739.438	--	--	--	--	--	--	--
MW-07	2/16/2004		746.17	6.90	1.25	740.208	--	--	--	--	--	--	--
MW-07	5/24/2004		746.17	5.80	--	740.370	--	--	--	--	--	--	--
MW-07	8/9/2004		746.17	7.81	1.89	739.778	--	--	--	--	--	--	--
MW-07	11/1/2004		746.17	7.56	1.59	739.802	--	--	--	--	--	--	--
MW-07	2/28/2005		746.17	7.30	1.16	739.740	--	--	--	--	--	--	--
MW-07	5/24/2005		746.17	7.52	1.37	739.677	--	--	--	--	--	--	--
MW-07	8/15/2005		746.17	8.39	1.91	739.213	--	--	--	--	--	--	--
MW-07	10/24/2005		746.17	7.96	1.81	739.568	--	--	--	--	--	--	--
MW-07	4/24/2006	(Well has no	746.17	7.10	1.40	740.120	--	--	--	--	--	--	--
MW-07	8/28/2006		746.17	6.25	--	739.920	--	--	--	--	--	--	--
MW-07	10/16/2006	(Well monument	746.17	6.98	0.38	739.475	--	--	--	--	--	--	--
MW-07	12/4/2006	(Surveyed)	746.99	7.30	0.25	739.878	--	--	--	--	--	--	--
MW-07	3/26/2007		746.99	6.72	(Sheen)	740.270	--	--	--	--	--	--	--
MW-07	5/15/2007		746.99	6.72	0.16	740.270	--	--	--	--	--	--	--
MW-07	9/18/2007		746.99	7.51	0.55	739.480	--	--	--	--	--	--	--
MW-07	12/11/2007		746.99	6.57	0.37	740.420	--	--	--	--	--	--	--
MW-07	3/25/2008		746.99	6.46	0.03	740.530	--	--	--	--	--	--	--
MW-07	5/27/2008		746.99	6.79	0.35	740.200	--	--	--	--	--	--	--
MW-07	8/19/2008		746.99	7.86	1.11	739.130	--	--	--	--	--	--	--
MW-07	11/18/2008		746.99	7.18	0.50	739.810	--	--	--	--	--	--	--
MW-07	2/10/2009		746.99	7.13	0.38	739.945	--	--	--	--	--	--	--
MW-07	5/19/2009		746.99	7.15	0.38	739.925	--	--	--	--	--	--	--
MW-07	8/4/2009		746.99	7.41	0.25	739.568	--	--	--	--	--	--	--
MW-07	11/10/2009		746.99	7.14	0.19	739.792	--	--	--	--	--	--	--
MW-07	2/16/2010		749.41	6.17	0.20	743.240	--	--	--	--	--	--	--
MW-07	6/30/2010		749.41	6.48	0.21	742.932	--	--	--	--	--	--	--
MW-07	8/11/2010		749.41	7.12	0.28	742.292	--	--	--	--	--	--	--
MW-07	11/11/2010		749.41	6.60	0.37	742.812	--	--	--	--	--	--	--
MW-07	2/15/2011		749.41	6.75	0.45	742.662	--	--	--	--	--	--	--
MW-07	9/12/2011		749.41	7.44	0.94	741.970	--	--	--	--	--	--	--
MW-07	10/3/2012		749.41	7.44	0.82	741.972	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-07	10/7/2013	(ABN)	--	--	--	--	--	--	--	--	--	--	--
MW-08	8/29/1991		747.04	6.60	--	740.440	--	--	--	--	--	--	--
MW-08	1/29/1992		747.04	6.45	--	740.590	--	--	--	--	--	--	--
MW-08	7/24/1992		747.04	5.79	--	741.250	--	--	--	--	--	--	--
MW-08	11/30/1993		747.04	6.68	--	740.360	<50	<0.25	--	<0.50	<1.0	<1.0	<1.0
MW-08	4/26/1994		747.04	6.32	--	740.720	--	--	--	--	--	--	--
MW-08	3/17/1999		--	--	--	--	<50	<0.25	--	<0.50	<0.50	<0.50	<1.0
MW-08	6/7/2001		747.04	6.38	--	740.660	<100	<0.25	<0.75	<1.0	<1.0	<1.0	<1.0
MW-08	11/15/2001		747.04	6.58	--	740.460	--	--	--	--	--	--	--
MW-08	11/16/2001		--	--	--	--	<50	<0.25	<0.50	<0.50	<0.50	<0.50	<1.0
MW-08	4/3/2002		747.04	6.44	--	740.600	--	--	--	--	--	--	--
MW-08	4/4/2002		--	--	--	--	<50	<0.25	<0.50	<0.50	<0.50	<0.50	<1.0
MW-08	9/9/2002		747.04	6.56	--	740.480	--	--	--	--	--	--	--
MW-08	9/10/2002		--	--	--	--	<100	<0.25	<0.41	<1.0	<1.0	<1.0	<1.0
MW-08	11/18/2002		747.04	6.31	--	740.730	--	--	--	--	--	--	--
MW-08	1/27/2003		747.04	5.24	--	741.800	--	--	--	--	--	--	--
MW-08	1/28/2003		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-08	4/15/2003		747.04	4.89	--	742.150	--	--	--	--	--	--	--
MW-08	7/29/2003		747.04	6.64	--	740.400	--	--	--	--	--	--	--
MW-08	7/30/2003		--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0
MW-08	10/6/2003		747.04	6.56	--	740.480	--	--	--	--	--	--	--
MW-08	2/16/2004		747.04	5.71	--	741.330	--	--	--	--	--	--	--
MW-08	2/17/2004		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-08	5/24/2004		747.04	6.01	--	741.030	--	--	--	--	--	--	--
MW-08	8/9/2004		747.04	6.26	--	740.780	--	--	--	--	--	--	--
MW-08	8/10/2004		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-08	11/1/2004		747.04	6.22	--	740.820	--	--	--	--	--	--	--
MW-08	2/28/2005		747.04	6.26	--	740.780	--	--	--	--	--	--	--
MW-08	3/1/2005		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-08	5/24/2005		747.04	6.35	--	740.690	--	--	--	--	--	--	--
MW-08	8/15/2005		747.04	7.08	--	739.960	--	--	--	--	--	--	--
MW-08	8/16/2005		--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0
MW-08	10/24/2005		747.04	6.43	--	740.610	--	--	--	--	--	--	--
MW-08	4/24/2006	(Well maintenance	747.04	6.13	--	740.910	--	--	--	--	--	--	--
MW-08	4/25/2006		--	--	--	--	<50	<0.248	<0.495	<0.500	<0.500	<0.500	<1.00
MW-08	8/28/2006		747.04	6.87	--	740.170	--	--	--	--	--	--	--
MW-08	10/16/2006		747.04	6.75	--	740.290	--	--	--	--	--	--	--
MW-08	10/18/2006		--	--	--	--	115	<0.245	<0.490	3.19	6.86	6.7	24.9
MW-08	12/4/2006		747.04	6.94	--	740.100	--	--	--	--	--	--	--
MW-08	3/26/2007		747.04	6.57	--	740.470	<50.0	<0.250	<0.500	<0.500	<0.500	<0.500	<1.00
MW-08	5/15/2007		747.04	6.39	--	740.650	--	--	--	--	--	--	--
MW-08	9/18/2007		747.04	6.82	--	740.220	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<3.00
MW-08	12/11/2007		747.04	5.97	--	741.070	--	--	--	--	--	--	--
MW-08	3/25/2008		747.04	6.63	--	740.410	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<3.00
MW-08	5/27/2008		747.04	6.24	--	740.800	--	--	--	--	--	--	--
MW-08	8/19/2008		747.04	6.69	--	740.350	<50.0	<0.243	<0.485	<0.500	<0.500	<0.500	<1.00
MW-08	11/18/2008		747.04	6.48	--	740.560	--	--	--	--	--	--	--
MW-08	2/10/2009		747.04	6.60	--	740.440	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<1.00
MW-08	5/19/2009		747.04	6.60	--	740.440	--	--	--	--	--	--	--
MW-08	8/4/2009		747.04	7.00	--	740.040	74	<0.120	<0.240	<0.100	<0.100	<0.100	3.7
MW-08	11/10/2009		747.04	6.72	--	740.320	--	--	--	--	--	--	--
MW-08	2/16/2010		750.04	5.80	--	744.240	<50	<120	<250	<1.0	<1.0	<1.0	<2.0
MW-08	6/30/2010		750.04	6.11	--	743.926	--	--	--	--	--	--	--
MW-08	8/11/2010	(P)	750.04	6.58	--	743.456	<100	<251	--	<0.200	<1.00	<1.00	<3
MW-08	11/11/2010		750.04	6.13	--	743.906	--	--	--	--	--	--	--
MW-08	2/15/2011	(P)	750.04	6.03	--	744.006	<100	<239	--	<0.200	<1.00	<1.00	<3
MW-08	9/12/2011	(P)	750.04	6.40	0.0	743.640	<100	<250	--	<0.500	<2.00	<1.00	<1.50
MW-08	10/3/2012	(P)	750.04	6.44	--	743.596	--	--	--	--	--	--	--
MW-08	10/4/2012		--	--	--	--	<90.0	<239	--	<0.200	<0.500	<0.500	<1.50
MW-08	10/4/2012	(Dup)	--	--	--	--	<90.0	<261	--	<0.200	<0.500	<0.500	<1.50
MW-08	4/8/2014	(LF)	750.04	6.41	0.0	743.630	<100	--	--	0.420	<0.500	<0.500	<1.50
MW-08	11/19/2014	(LF)	750.04	6.31	0.0	743.730	<50	<28	<65	<0.50	<0.50	<0.50	<0.50
MW-08	4/29/2015	(NS)	750.04	6.37	0.0	743.670	--	--	--	--	--	--	--
MW-08	4/30/2015	(LFP)	750.04	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-08	8/3/2015	(NS)	750.04	7.01	0.0	743.030	--	--	--	--	--	--	--
MW-08	8/4/2015	(LFP)	750.04	--	--	--	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MW-08	8/4/2015	(Dup)(LFP)	750.04	--	--	--	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MW-08	11/2/2015	(NS)	750.04	6.75	0.0	743.290	--	--	--	--	--	--	--
MW-08	11/3/2015	(LFP)	750.04	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-08	2/8/2016	(NS)	750.04	5.62	0.0	744.420	--	--	--	--	--	--	--
MW-08	2/9/2016	(LFP)	750.04	--	--	--	<50	<28	<65	<0.50	<0.50	<0.50	<0.50
MW-08	9/6/2016	(NS)	750.04	6.81	0.0	743.230	--	--	--	--	--	--	--
MW-08	9/7/2016	(LFP)	750.04	--	--	--	<50	<29	<68	<0.50	<0.50	<0.50	<0.50
MW-08	2/14/2017	(LFP, SE)	750.04	5.65	0.0	744.390	<31.6(J)	209(JB)	252(J)	<0.331	<0.412	<0.384	<1.06
MW-08	6/26/2017	(NS)	750.04	6.30	0.0	743.740	--	--	--	--	--	--	--
MW-08	6/27/2017	(LFP)	750.04	--	--	--	<31.6	131(J)	<82.5	<0.331	<0.412	<0.384	<1.06
MW-08	9/11/2017	(LFP)	750.04	6.74	0.0	743.300	--	--	--	--	--	--	--
MW-08	9/12/2017		--	--	--	--	<31.6	<66.0	<82.5	<0.331	<0.412	<0.384	<1.06
MW-08	2/26/2018	(NS)	750.04	6.29	0.0	743.750	--	--	--	--	--	--	--
MW-08	2/27/2018	(LFP)	750.04	6.29	0.0	743.750	<100	<200	85.1(J)	<1.00	<1.00	<1.00	<3.00
MW-08	9/25/2018	(NS)	750.04	6.61	--	743.430	--	--	--	--	--	--	--
MW-08	9/26/2018	(LFP)	750.04	6.61	--	743.430	94.8(B J)	<200	<250	<1.00	<1.00	0.393(J)	1.08(J)
MW-08	3/28/2019	(LFP)	750.04	5.50	0.0	744.540	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-08	9/18/2019	(LFP)	750.04	6.59	0.0	743.450	<100	<200	152(J)	<1.00	<1.00	<1.00	<3.00
MW-08	2/21/2020		750.04	6.58	0.0	743.460	35.7(J,B)	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-08	9/29/2020		750.04	6.60	0	743.440	<100	<200	163(J)	<1.00	<1.00	<1.00	<3.00
MW-08	3/9/2021		750.04	6.25	0	743.790	38.0 B,J	<200	<200	<1.00	<1.00	<1.00	<3.00
MW-08	9/29/2021		750.04	6.65	0	743.390	92 B,J	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-08	3/16/2022		750.04	6.50	0	743.540	<100	<200	<250	<1.0	<1.0	<1.0	<3.0
MW-08	9/22/2022		750.04	6.92	0	743.120	37.9J	86.1J	<250	<1.00	<1.00	<1.00	1.88J
MW-08	3/7/2023		750.04	6.02	0	744.02	<100	**5690**	**6860**	<1.00	<1.00	<1.00	<3.00
MW-08	10/24/2023		750.04	6.93	0	743.11	<100	**1840**	**568**	<1.00	<1.00	<1.00	<3.00
MW-09	8/29/1991		745.08	5.60	--	739.480	--	--	--	--	--	--	--
MW-09	1/29/1992		745.08	5.69	--	739.390	--	--	--	--	--	--	--
MW-09	7/24/1992		745.08	5.38	--	739.700	--	--	--	--	--	--	--
MW-09	11/30/1993		745.08	5.99	--	739.090	--	--	--	--	--	--	--
MW-09	4/26/1994		745.08	5.69	--	739.390	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-09	6/8/2001		745.08	5.88	--	739.200	--	--	--	--	--	--	--
MW-09	11/15/2001		745.08	5.97	--	739.110	--	--	--	--	--	--	--
MW-09	4/3/2002		745.08	5.92	--	739.160	--	--	--	--	--	--	--
MW-09	9/9/2002		745.08	6.02	--	739.060	--	--	--	--	--	--	--
MW-09	11/18/2002		745.08	5.90	--	739.180	--	--	--	--	--	--	--
MW-09	1/27/2003		745.08	5.29	--	739.790	--	--	--	--	--	--	--
MW-09	4/15/2003		745.08	5.47	--	739.610	--	--	--	--	--	--	--
MW-09	7/29/2003		745.08	6.02	--	739.060	--	--	--	--	--	--	--
MW-09	10/6/2003		745.08	6.03	--	739.050	--	--	--	--	--	--	--
MW-09	2/16/2004		745.08	5.46	--	739.620	--	--	--	--	--	--	--
MW-09	5/24/2004		745.08	5.59	--	739.490	--	--	--	--	--	--	--
MW-09	8/9/2004		745.08	5.76	--	739.320	--	--	--	--	--	--	--
MW-09	11/1/2004		745.08	5.78	--	739.300	--	--	--	--	--	--	--
MW-09	2/28/2005		745.08	5.85	--	739.230	--	--	--	--	--	--	--
MW-09	5/24/2005		745.08	5.97	--	739.110	--	--	--	--	--	--	--
MW-09	8/15/2005		745.08	6.34	--	738.740	--	--	--	--	--	--	--
MW-09	10/24/2005		745.08	6.09	--	738.990	--	--	--	--	--	--	--
MW-09	4/24/2006	(Well maintenance	745.08	5.82	--	739.260	--	--	--	--	--	--	--
MW-09	8/28/2006		745.08	6.31	--	738.770	--	--	--	--	--	--	--
MW-09	10/16/2006		745.08	6.40	--	738.680	--	--	--	--	--	--	--
MW-09	12/4/2006		745.08	6.29	--	738.790	--	--	--	--	--	--	--
MW-09	3/26/2007		745.08	6.15	--	738.930	--	--	--	--	--	--	--
MW-09	5/15/2007		745.08	6.02	--	739.060	--	--	--	--	--	--	--
MW-09	9/18/2007		745.08	6.37	--	738.710	--	--	--	--	--	--	--
MW-09	12/11/2007		745.08	5.81	--	739.270	--	--	--	--	--	--	--
MW-09	3/25/2008		745.08	6.03	--	739.050	--	--	--	--	--	--	--
MW-09	5/27/2008		745.08	5.97	--	739.110	--	--	--	--	--	--	--
MW-09	8/19/2008		745.08	6.21	--	738.870	--	--	--	--	--	--	--
MW-09	11/18/2008		745.08	6.16	--	738.920	--	--	--	--	--	--	--
MW-09	2/10/2009		745.08	6.19	--	738.890	--	--	--	--	--	--	--
MW-09	5/19/2009		745.08	6.18	--	738.900	--	--	--	--	--	--	--
MW-09	8/4/2009		745.08	6.47	--	738.610	--	--	--	--	--	--	--
MW-09	11/10/2009		745.08	6.31	--	738.770	--	--	--	--	--	--	--
MW-09	2/16/2010		748.25	5.46	--	742.790	--	--	--	--	--	--	--
MW-09	6/30/2010		748.25	5.77	--	742.476	--	--	--	--	--	--	--
MW-09	8/11/2010		748.25	6.27	--	741.976	--	--	--	--	--	--	--
MW-09	11/11/2010		748.25	6.03	--	742.216	--	--	--	--	--	--	--
MW-09	2/15/2011		748.25	5.87	--	742.376	--	--	--	--	--	--	--
MW-09	9/12/2011		748.25	6.10	0.0	742.150	--	--	--	--	--	--	--
MW-09	10/3/2012		748.25	6.14	--	742.106	--	--	--	--	--	--	--
MW-09	4/7/2014		748.25	6.09	0.0	742.160	--	--	--	--	--	--	--
MW-09	11/19/2014	(NS)	748.25	5.99	0.0	742.260	--	--	--	--	--	--	--
MW-09	4/29/2015	(NS)	748.25	5.95	0.0	742.300	--	--	--	--	--	--	--
MW-09	8/3/2015	(NS)	748.25	6.47	0.0	741.780	--	--	--	--	--	--	--
MW-09	11/2/2015	(NS)	748.25	6.26	0.0	741.990	--	--	--	--	--	--	--
MW-09	2/8/2016	(NS)	748.25	5.65	0.0	742.600	--	--	--	--	--	--	--
MW-09	9/6/2016	(NS)	748.25	6.51	0.0	741.740	--	--	--	--	--	--	--
MW-09	2/14/2017	(NS)	748.25	5.97	0.0	742.280	--	--	--	--	--	--	--
MW-09	6/26/2017	(NS)	748.25	6.09	0.0	742.160	--	--	--	--	--	--	--
MW-09	9/11/2017	(NS)	748.25	6.31	0.0	741.940	--	--	--	--	--	--	--
MW-09	2/26/2018	(NS)	748.25	6.11	0.0	742.140	--	--	--	--	--	--	--
MW-09	9/25/2018	(NS)	748.25	6.20	--	742.050	--	--	--	--	--	--	--
MW-09	3/28/2019	(NS)	748.25	5.86	0.0	742.390	--	--	--	--	--	--	--
MW-09	9/17/2019	(NS)	748.25	6.19	0.0	742.060	--	--	--	--	--	--	--
MW-09	9/28/2020	(NS)	748.25	6.19	0.0	742.060							
MW-09	3/9/2021	(NS)	748.25	6.33	0	741.920	--	--	--	--	--	--	--
MW-09	9/28/2021	(NS)	748.25	7.50	0	740.750	--	--	--	--	--	--	--
MW-09	3/16/2022		748.25	6.33	0	741.920							
MW-09	9/21/2022		748.25	6.49	0	741.760							
MW-09	3/6/2023		748.25	6.03	0	742.22							
MW-09	10/23/2023		748.25	6.34	0	741.91							
MW-10	9/28/2021		746.49	8.80	2.20	739.340	--	--	--	--	--	--	--
MW-10	1/29/1992		746.49	7.97	1.07	739.323	--	--	--	--	--	--	--
MW-10	7/24/1992		746.49	7.84	1.27	739.602	--	--	--	--	--	--	--
MW-10	11/30/1993		746.49	8.37	1.34	739.125	--	--	--	--	--	--	--
MW-10	4/26/1994		746.49	7.74	0.91	739.432	--	--	--	--	--	--	--
MW-10	3/16/1999		746.49	7.91	1.40	739.630	--	--	--	--	--	--	--
MW-10	6/8/2001		746.49	7.48	0.55	739.422	--	--	--	--	--	--	--
MW-10	11/15/2001		746.49	7.97	0.94	739.225	--	--	--	--	--	--	--
MW-10	4/3/2002		746.49	7.55	0.57	739.367	--	--	--	--	--	--	--
MW-10	9/9/2002		746.49	8.08	1.09	739.227	--	--	--	--	--	--	--
MW-10	11/18/2002		746.49	7.59	0.74	739.455	--	--	--	--	--	--	--
MW-10	1/27/2003		746.49	6.74	0.53	740.148	--	--	--	--	--	--	--
MW-10	4/15/2003		746.49	6.98	0.53	739.907	--	--	--	--	--	--	--
MW-10	7/29/2003		746.49	7.91	0.92	739.270	--	--	--	--	--	--	--
MW-10	10/6/2003		746.49	7.86	0.86	739.275	--	--	--	--	--	--	--
MW-10	2/16/2004		746.49	6.95	0.53	739.938	--	--	--	--	--	--	--
MW-10	5/24/2004		746.49	7.13	0.56	739.780	--	--	--	--	--	--	--
MW-10	8/9/2004		746.49	7.43	0.68	739.570	--	--	--	--	--	--	--
MW-10	11/1/2004		746.49	7.41	0.67	739.583	--	--	--	--	--	--	--
MW-10	2/28/2005		746.49	7.33	0.45	739.497	--	--	--	--	--	--	--
MW-10	5/24/2005		746.49	7.36	0.41	739.438	--	--	--	--	--	--	--
MW-10	8/15/2005		746.49	8.24	0.96	738.970	--	--	--	--	--	--	--
MW-10	10/24/2005		746.49	7.70	0.70	739.315	--	--	--	--	--	--	--
MW-10	4/24/2006	(Well inaccessible)	746.49	--	--	--	--	--	--	--	--	--	--
MW-10	8/28/2006	(Well maintenance	746.49	7.99	0.71	739.032	--	--	--	--	--	--	--
MW-10	10/18/2006	(Well monument	746.49	8.30	0.93	738.888	--	--	--	--	--	--	--
MW-10	12/5/2006	(Surveyed)	747.21	8.03	0.64	739.660	--	--	--	--	--	--	--
MW-10	3/28/2007		747.21	7.61	0.36	739.870	--	--	--	--	--	--	--
MW-10	5/17/2007		747.21	7.30	0.17	740.037	--	--	--	--	--	--	--
MW-10	9/20/2007		747.21	7.26	0.02	739.965	--	--	--	--	--	--	--
MW-10	12/13/2007		747.21	7.24	0.45	740.307	--	--	--	--	--	--	--
MW-10	3/27/2008		747.21	7.24	0.45	740.307	--	--	--	--	--	--	--
MW-10	5/29/2008		747.21	7.09	0.18	740.255	--	--	--	--	--	--	--
MW-10	8/21/2008		747.21	7.53	0.41	739.987	--	--	--	--	--	--	--
MW-10	11/18/2008		747.21	7.46	0.34	740.005	--	--	--	--	--	--	--
MW-10	2/12/2009		747.21	7.30	0.09	739.977	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-10	5/19/2009		747.21	7.38	0.16	739.950	--	--	--	--	--	--	--
MW-10	8/6/2009		747.21	8.13	0.73	739.628	--	--	--	--	--	--	--
MW-10	11/12/2009		747.21	7.80	0.55	739.823	--	--	--	--	--	--	--
MW-10	2/18/2010		749.48	6.80	0.15	742.680	--	--	--	--	--	--	--
MW-10	6/30/2010		749.48	7.11	0.17	742.372	--	--	--	--	--	--	--
MW-10	8/13/2010		749.48	7.57	0.22	741.912	--	--	--	--	--	--	--
MW-10	11/12/2010		749.48	7.17	0.12	742.312	--	--	--	--	--	--	--
MW-10	2/15/2011		749.48	6.80	0.06	742.682	--	--	--	--	--	--	--
MW-10	10/3/2012		749.48	7.16	0.07	742.322	--	--	--	--	--	--	--
MW-10	4/7/2014		749.48	7.08	0.07	742.830	--	--	--	--	--	--	--
MW-10	11/19/2014	(NAPL)	749.48	6.98	0.08	742.564	--	--	--	--	--	--	--
MW-10	4/29/2015	(NS)	749.48	6.95	0.0	742.530	--	--	--	--	--	--	--
MW-10	8/3/2015	(NAPL)	749.48	7.67	0.16	741.938	--	--	--	--	--	--	--
MW-10	11/2/2015	(NAPL)	749.48	7.41	0.03	742.094	--	--	--	--	--	--	--
MW-10	2/8/2016	(NS)	749.48	6.46	0.0	743.020	--	--	--	--	--	--	--
MW-10	9/6/2016	(NAPL)	749.48	7.52	0.02	741.976	--	--	--	--	--	--	--
MW-10	2/14/2017	(NS)	749.48	6.49	0.0	742.990	--	--	--	--	--	--	--
MW-10	6/26/2017	(NS)	749.48	7.00	0.0	742.480	--	--	--	--	--	--	--
MW-10	9/11/2017	(NS)	749.48	7.37	0.0	742.110	--	--	--	--	--	--	--
MW-10	2/26/2018	(NS)	749.48	6.99	0.0	742.490	--	--	--	--	--	--	--
MW-10	9/25/2018	(NS)	749.48	7.21	0.04	742.270	--	--	--	--	--	--	--
MW-10	3/28/2019	(NS)	749.48	6.74	0.11	742.740	--	--	--	--	--	--	--
MW-10	9/17/2019	(LFP)	749.48	7.18	0.0	742.300	139(B)	<200	112(J)	1.99	<1.00	4.35	6.25
MW-10	2/21/2020		749.48	7.30	0.0	742.180	**1150**	**548**	<250	**33.4**	<1.00	29.3	27.8
MW-10	9/28/2020		749.48	7.19	0	742.290	52.8(J,B)	<200	93.8(J)	0.360(J)	<1.00	0.928(J)	1.53(J)
MW-10	3/9/2021		749.48	6.95	0	742.530	**405 B**	**587**	<250	**17.9**	<1.00	2.04	2.11 J
MW-10	9/28/2021		749.48	7.45	0	742.030	**993**	106 J	<250	**13.6**	0.467 J	49.4	45.2
MW-10	3/15/2022		749.48	7.25	0	742.230	407	378	<250	**9.81**	<1.0	2.99	13.6
MW-10	9/21/2022		749.48	7.45	0	742.030	**1330**	470	103J	**30.2**	0.656J	55.7	46.5
MW-10	3/6/2023	SOCK	749.48	7.33	0	742.15	678	**581**	<250	**8.82**	<1.0	.955 J	5.71
MW-10	10/23/2023		749.48	7.35	0	742.13	**2200**	445	<250	**18.2**	1.5	118	202
MW-11	8/29/1991		745.48	6.50	--	738.980	--	--	--	--	--	--	--
MW-11	1/29/1992		745.48	6.60	--	738.880	--	--	--	--	--	--	--
MW-11	7/24/1992		745.48	6.31	--	739.170	--	--	--	--	--	--	--
MW-11	11/30/1993		745.48	6.89	0.20	738.740	--	--	--	--	--	--	--
MW-11	4/26/1994		745.48	6.57	0.03	738.932	--	--	--	--	--	--	--
MW-11	6/8/2001		745.48	6.60	--	738.880	--	--	--	--	--	--	--
MW-11	11/15/2001		745.48	6.82	--	738.660	--	--	--	--	--	--	--
MW-11	4/3/2002		745.48	6.81	0.14	738.775	--	--	--	--	--	--	--
MW-11	9/9/2002		745.48	6.96	0.13	738.617	--	--	--	--	--	--	--
MW-11	11/18/2002		745.48	6.71	0.01	738.778	--	--	--	--	--	--	--
MW-11	1/27/2003		745.48	6.08	--	739.400	--	--	--	--	--	--	--
MW-11	4/15/2003		745.48	6.34	0.04	739.170	--	--	--	--	--	--	--
MW-11	7/29/2003		745.48	6.92	0.13	738.657	--	--	--	--	--	--	--
MW-11	10/6/2003		745.48	6.99	0.18	738.625	--	--	--	--	--	--	--
MW-11	2/16/2004		745.48	6.39	--	739.090	--	--	--	--	--	--	--
MW-11	5/24/2004		745.48	6.34	--	739.140	--	--	--	--	--	--	--
MW-11	8/9/2004		745.48	6.49	--	738.990	--	--	--	--	--	--	--
MW-11	11/1/2004		745.48	6.58	0.02	738.915	--	--	--	--	--	--	--
MW-11	2/28/2005		745.48	7.04	0.05	738.477	--	--	--	--	--	--	--
MW-11	5/24/2005		745.48	7.31	--	738.170	--	--	--	--	--	--	--
MW-11	8/15/2005		745.48	7.70	0.03	737.802	--	--	--	--	--	--	--
MW-11	10/24/2005		745.48	7.45	--	738.030	--	--	--	--	--	--	--
MW-11	4/26/2006		745.48	7.11	0.01	738.378	--	--	--	--	--	--	--
MW-11	8/29/2006		745.48	7.71	0.16	738.900	--	--	--	--	--	--	--
MW-11	10/19/2006		745.48	7.82	0.11	738.753	--	--	--	--	--	--	--
MW-11	12/5/2006		745.48	7.75	0.05	737.768	--	--	--	--	--	--	--
MW-11	3/27/2007		745.48	7.54	--	737.940	--	--	--	--	--	--	--
MW-11	5/16/2007		745.48	7.36	-0.01	738.128	--	--	--	--	--	--	--
MW-11	9/19/2007		745.48	7.68	--	737.800	--	--	--	--	--	--	--
MW-11	12/12/2007		745.48	8.30	0.02	738.205	--	--	--	--	--	--	--
MW-11	3/25/2008		745.48	7.40	--	739.090	--	--	--	--	--	--	--
MW-11	5/29/2008		745.48	7.30	0.08	739.250	--	--	--	--	--	--	--
MW-11	8/21/2008		745.48	8.48	--	738.010	--	--	--	--	--	--	--
MW-11	11/18/2008		745.48	7.51	(Sheen)	739.040	--	--	--	--	--	--	--
MW-11	2/12/2009		745.48	7.55	0.09	739.008	--	--	--	--	--	--	--
MW-11	5/21/2009		745.48	7.48	0.06	739.055	--	--	--	--	--	--	--
MW-11	8/6/2009		745.48	7.78	0.15	738.823	--	--	--	--	--	--	--
MW-11	11/12/2009		745.48	7.63	0.08	738.920	--	--	--	--	--	--	--
MW-11	2/18/2010		748.53	7.07	0.01	741.460	--	--	--	--	--	--	--
MW-11	6/30/2010		748.53	7.38	0.04	741.149	--	--	--	--	--	--	--
MW-11	8/13/2010		748.53	7.58	0.06	740.949	--	--	--	--	--	--	--
MW-11	11/11/2010		748.53	--	--	748.529	--	--	--	--	--	--	--
MW-11	2/15/2011		748.53	7.16	--	741.369	--	--	--	--	--	--	--
MW-11	10/3/2012		748.53	7.23	0.10	741.299	--	--	--	--	--	--	--
MW-11	4/7/2014		748.53	7.15	0.09	741.460	--	--	--	--	--	--	--
MW-11	11/19/2014	(NAPL)	748.53	7.03	0.08	741.564	--	--	--	--	--	--	--
MW-11	4/29/2015	(NAPL)	748.53	6.96	0.07	741.626	--	--	--	--	--	--	--
MW-11	8/3/2015	(NAPL)	748.53	7.71	0.18	740.964	--	--	--	--	--	--	--
MW-11	11/2/2015	(NAPL)	748.53	7.64	0.15	741.010	--	--	--	--	--	--	--
MW-11	2/8/2016	(NAPL)	748.53	6.87	0.05	741.700	--	--	--	--	--	--	--
MW-11	9/6/2016	(NAPL)	748.53	7.75	0.13	740.884	--	--	--	--	--	--	--
MW-11	2/14/2017	(NS)	748.53	6.74	0.05	741.830	--	--	--	--	--	--	--
MW-11	6/26/2017	(NS)	748.53	7.28	0.01	741.258	--	--	--	--	--	--	--
MW-11	9/11/2017	(NS)	748.53	8.09	0.03	740.464	--	--	--	--	--	--	--
MW-11	2/26/2018	(NS)	748.53	7.22	0.04	741.342	--	--	--	--	--	--	--
MW-11	9/25/2018	(NS)	748.53	7.46	0.06	741.070	--	--	--	--	--	--	--
MW-11	3/28/2019	(DRY)	748.53	--	--	--	--	--	--	--	--	--	--
MW-11	9/17/2019	Obstruction at 6.85'	748.53	--	--	--	--	--	--	--	--	--	--
MW-11	2/20/2020	Obstruction at 6.0'	748.53	--	--	--	--	--	--	--	--	--	--
MW-11	9/28/2020	Obstruction at 6.0'	748.53	--	--	--	--	--	--	--	--	--	--
MW-11	3/9/2021		748.53	6.78	0	741.750	**11600**	**7490**	**5910**	**147**	6.84	206	9.24
MW-11	9/29/2021		748.53	7.79	0	740.740	**10100 Q**	**1300**	<500	**122**	2.36 J	128	314
MW-11	3/15/2022		748.53	5.62	0	742.910	**11700**	**8460**	<5000	**107**	12.2	160	854
MW-11	9/21/2022		748.53	7.83	0	740.700	**5180**	**3850**	**3030**	**70.4**	1.78	92	188
MW-11	3/6/2023		748.53	5.57	0	742.96	**9430**	**7570**	**1430**	**164**	6.91	162	740
MW-11	10/23/2023		748.53	7.56	0	740.97	**6350**	**3970**	**1140**	**218**	<20	170	400

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-12	8/29/1991		747.07	7.60	--	739.470	--	--	--	--	--	--	--
MW-12	1/29/1992		747.07	7.52	--	739.550	--	--	--	--	--	--	--
MW-12	7/24/1992		747.07	7.29	--	739.780	--	--	--	--	--	--	--
MW-12	11/30/1993		747.07	7.72	--	739.350	<50	<0.25	--	<0.50	<1.0	<1.0	<1.0
MW-12	4/26/1994		747.07	7.40	--	739.670	--	--	--	--	--	--	--
MW-12	3/17/1999		--	--	--	--	<50	<0.25	--	<0.50	<1.0	<1.0	<1.0
MW-12	6/7/2001		747.07	7.43	--	739.640	<100	<0.25	<0.50	<1.0	<1.0	<1.0	<1.0
MW-12	11/15/2001		747.07	7.52	--	739.550	--	--	--	--	--	--	--
MW-12	11/16/2001		--	--	--	--	<50	0.354	<0.50	<0.50	<0.50	<0.50	<1.0
MW-12	4/3/2002		747.07	7.45	--	739.620	<50	0.811	0.575	<0.50	<0.50	<0.50	<1.0
MW-12	9/9/2002		747.07	7.62	--	739.450	--	--	--	--	--	--	--
MW-12	9/10/2002		--	--	--	--	<100	<0.25	<0.41	<1.0	<1.0	<1.0	<1.0
MW-12	11/18/2002		747.07	7.39	--	739.680	--	--	--	--	--	--	--
MW-12	1/27/2003		747.07	6.65	--	740.420	--	--	--	--	--	--	--
MW-12	1/28/2003		--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0
MW-12	4/15/2003		747.07	6.94	--	740.130	--	--	--	--	--	--	--
MW-12	7/29/2003		747.07	7.57	--	739.500	--	--	--	--	--	--	--
MW-12	7/30/2003		--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0
MW-12	10/6/2003		747.07	7.59	--	739.480	--	--	--	--	--	--	--
MW-12	2/16/2004		747.07	6.85	--	740.220	--	--	--	--	--	--	--
MW-12	2/17/2004		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-12	5/24/2004		747.07	7.08	--	739.990	--	--	--	--	--	--	--
MW-12	8/9/2004		747.07	7.30	--	739.770	--	--	--	--	--	--	--
MW-12	8/10/2004		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-12	11/1/2004		747.07	7.27	--	739.800	--	--	--	--	--	--	--
MW-12	2/28/2005		747.07	7.30	--	739.770	--	--	--	--	--	--	--
MW-12	3/1/2005		--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0
MW-12	3/1/2005	(Dup)	--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0
MW-12	5/24/2005		747.07	7.32	--	739.750	--	--	--	--	--	--	--
MW-12	8/15/2005		747.07	7.84	--	739.230	--	--	--	--	--	--	--
MW-12	8/16/2005		--	--	--	--	<100	<0.26	<0.42	<1.0	<1.0	<1.0	<1.0
MW-12	10/24/2005		747.07	7.48	--	739.590	--	--	--	--	--	--	--
MW-12	4/24/2006		747.07	7.17	--	739.900	--	--	--	--	--	--	--
MW-12	4/25/2006		--	--	--	--	<50	<0.253	<0.505	<0.500	<0.500	<0.500	<1.00
MW-12	8/29/2006		747.07	7.82	--	739.250	--	--	--	--	--	--	--
MW-12	10/16/2006	(Well monument	747.07	8.91	--	738.160	--	--	--	--	--	--	--
MW-12	10/18/2006		--	--	--	--	<50.0	<0.245	<0.490	<0.500	<0.500	<0.500	<3.00
MW-12	12/4/2006		747.07	7.97	--	739.100	--	--	--	--	--	--	--
MW-12	3/27/2007		747.07	7.59	--	739.480	<50.0	<0.250	<0.500	<0.500	<0.500	<0.500	<1.00
MW-12	5/15/2007		747.07	7.42	--	739.650	--	--	--	--	--	--	--
MW-12	9/19/2007		747.07	8.87	--	738.200	<50.0	<0.245	<0.490	<0.500	<0.500	<0.500	<3.00
MW-12	12/11/2007		747.07	7.14	--	739.930	--	--	--	--	--	--	--
MW-12	3/25/2008		747.07	7.39	--	739.680	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<3.00
MW-12	5/27/2008		747.07	7.31	--	739.760	--	--	--	--	--	--	--
MW-12	8/19/2008		747.07	7.63	--	739.440	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<1.00
MW-12	11/18/2008		747.07	7.55	--	739.520	--	--	--	--	--	--	--
MW-12	2/10/2009		747.07	7.58	--	739.490	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<1.00
MW-12	5/19/2009		747.07	7.60	--	739.470	--	--	--	--	--	--	--
MW-12	8/4/2009		747.07	8.00	--	739.070	<50.0	<0.120	<0.240	<0.100	<0.100	<0.100	<0.200
MW-12	11/10/2009		747.07	7.75	--	739.320	--	--	--	--	--	--	--
MW-12	2/16/2010		750.15	6.73	--	743.420	<50	<120	<240	<1.0	<1.0	<1.0	<2.0
MW-12	6/30/2010		750.15	7.04	--	743.112	--	--	--	--	--	--	--
MW-12	8/11/2010	(P)	750.15	7.66	--	742.492	<100	<242	--	<0.200	<1.00	<1.00	<3
MW-12	11/12/2010		750.15	7.25	--	742.902	--	--	--	--	--	--	--
MW-12	2/15/2011	(P)	750.15	7.05	--	743.102	<100	<240	--	<0.200	<1.00	<1.00	<3
MW-12	2/15/2011	(Dup)(P)	750.15	7.05	--	743.102	<100	<242	--	<0.200	<1.00	<1.00	<3
MW-12	9/12/2011	(P)	750.15	7.41	0.0	742.740	--	--	--	--	--	--	--
MW-12	9/14/2011		--	--	--	--	<100	<245	--	<0.500	<2.00	<1.00	<1.50
MW-12	9/14/2011	(Dup)	--	--	--	--	<100	<238	--	<0.500	<2.00	<1.00	<1.50
MW-12	10/3/2012	(P)	750.15	7.57	--	742.582	--	--	--	--	--	--	--
MW-12	10/4/2012		--	--	--	--	<90.0	<237	--	<0.200	<0.500	<0.500	<1.50
MW-12	4/7/2014	(LF)	750.15	7.42	0.0	742.730	<100	--	--	<0.200	<0.500	<0.500	<1.50
MW-12	4/7/2014	(Dup)(LF)	750.15	7.42	0.0	742.730	<100	--	--	<0.200	<0.500	<0.500	<1.50
MW-12	11/19/2014	(NS)	750.15	7.40	0.0	742.750	--	--	--	--	--	--	--
MW-12	11/20/2014	(LF)	750.15	--	--	--	<50	<28	<65	<0.50	<0.50	<0.50	<0.50
MW-12	11/20/2014	(Dup)(LF)	750.15	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-12	4/29/2015	(NS)	750.15	7.36	0.0	742.790	--	--	--	--	--	--	--
MW-12	4/30/2015	(LFP)	750.15	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-12	4/30/2015	(Dup)(LFP)	750.15	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-12	8/3/2015	(NS)	750.15	7.93	0.0	742.220	--	--	--	--	--	--	--
MW-12	8/4/2015	(LFP)	750.15	--	--	--	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MW-12	11/2/2015	(NS)	750.15	7.68	0.0	742.470	--	--	--	--	--	--	--
MW-12	11/3/2015	(LFP)	750.15	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-12	2/8/2016	(NS)	750.15	6.73	0.0	743.420	--	--	--	--	--	--	--
MW-12	2/9/2016	(LFP)	750.15	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-12	2/9/2016	(Dup)(LFP)	750.15	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-12	9/6/2016	(LFP)	750.15	7.90	0.0	742.250	<50	<30	<70	<0.50	<0.50	<0.50	<0.50
MW-12	9/6/2016	(Dup)(LFP)	750.15	7.90	0.0	742.250	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MW-12	2/14/2017	(LFP, SE)	750.15	6.77	0.0	743.380	<31.6	233(JB)	240(J)	<0.331	<0.412	<0.384	<1.06
MW-12	2/14/2017	(Dup)(LFP, SE)	750.15	6.77	0.0	743.380	<31.6	122(J)	269(J)	<0.331	<0.412	<0.384	<1.06
MW-12	6/26/2017	(NS)	750.15	7.40	0.0	742.750	--	--	--	--	--	--	--
MW-12	6/27/2017	(LFP)	750.15	--	--	--	<31.6	171(J)	120(J)	<0.331	<0.412	<0.384	<1.06
MW-12	6/27/2017	(Dup)(LFP)	750.15	--	--	--	<31.6	125(J)	229(J)	<0.331	<0.412	<0.384	<1.06
MW-12	9/11/2017	(LFP)	750.15	7.78	0.0	742.370	--	--	--	--	--	--	--
MW-12	9/12/2017		--	--	--	--	<31.6	<66.0	90.5(J)	<0.331	<0.412	<0.384	<1.06
MW-12	9/12/2017	(Dup)	--	--	--	--	<31.6	<66.0	<82.5	<0.331	<0.412	<0.384	<1.06
MW-12	2/26/2018	(NS)	750.15	7.40	0.0	742.750	--	--	--	--	--	--	--
MW-12	2/27/2018	(LFP)	750.15	7.40	0.0	742.750	<100	<200	101(J)	<1.00	<1.00	<1.00	<3.00
MW-12	2/27/2018	(Dup)(LFP)	750.15	7.40	0.0	742.750	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-12	9/25/2018	(NS)	750.15	7.72	--	742.430	--	--	--	--	--	--	--
MW-12	9/26/2018	(LFP)	750.15	7.72	--	742.430	33.6(B J)	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-12	3/29/2019	(LFP)	750.15	6.78	0.0	743.370	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-12	9/17/2019	(LFP)	750.15	7.77	0.0	742.380	57.6(BJ)	<200	135(J)	<1.00	<1.00	<1.00	<3.00
MW-12	9/17/2019	(Dup)(LFP)	750.15	7.77	0.0	742.380	50.8(BJ)	<200	116(J)	<1.00	<1.00	<1.00	<3.00
MW-12	2/21/2020		750.15	7.63	0.0	742.520	38(B, J)	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-12	9/28/2020		750.15	7.67	0	742.480	<100	<200	134(J)	<1.00	<1.00	<1.00	<3.00
MW-12	3/9/2021		750.15	6.40	0	743.750	64.7 J	<200	<250	<1.00	<1.00	<1.00	0.359 J

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-12	9/28/2021		750.15	7.79	0	742.360	45.2 B,J	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-12	3/15/2022		750.15	7.58	0	742.570	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-12	9/21/2022		750.15	7.95	0	742.200	<100	134J	125J	<1.00	<1.00	<1.00	<3.00
MW-12	3/6/2023		750.15	7.63	0	742.52	<100	<200	101 J	<1.00	<1.00	<1.00	<3.00
MW-12	10/23/2023		750.15	7.99	0	742.16	<100	<200	140J	<1.00	<1.00	<1.00	<3.00
MW-13	8/29/1991		746.10	7.65	0.90	739.125	--	--	--	--	--	--	--
MW-13	1/29/1992		746.10	8.54	2.00	739.060	--	--	--	--	--	--	--
MW-13	7/24/1992		746.10	8.73	2.60	739.320	--	--	--	--	--	--	--
MW-13	11/30/1993		746.10	9.93	3.54	738.825	--	--	--	--	--	--	--
MW-13	4/26/1994		746.10	9.11	2.91	739.172	--	--	--	--	--	--	--
MW-13	3/16/1999		--	--	--	--	--	--	--	--	--	--	--
MW-13	6/8/2001		--	--	--	--	--	--	--	--	--	--	--
MW-13	11/15/2001	(Well is no longer	--	--	--	--	--	--	--	--	--	--	--
MW-13	9/11/2002	(Well abandoned	--	--	--	--	--	--	--	--	--	--	--
MW-14	7/24/1992		745.85	6.66	0.39	739.482	--	--	--	--	--	--	--
MW-14	11/30/1993		745.85	7.97	0.89	738.547	--	--	--	--	--	--	--
MW-14	4/26/1994		745.85	7.32	1.04	739.310	--	--	--	--	--	--	--
MW-14	3/16/1999		745.85	6.75	0.48	739.460	--	--	--	--	--	--	--
MW-14	6/8/2001		745.85	7.06	0.65	739.278	--	--	--	--	--	--	--
MW-14	11/15/2001		745.85	7.30	0.73	739.097	--	--	--	--	--	--	--
MW-14	4/3/2002		745.85	7.09	0.63	739.232	--	--	--	--	--	--	--
MW-14	9/9/2002	(Well abandoned	--	--	--	--	--	--	--	--	--	--	--
MW-15	7/24/1992		746.16	6.89	--	739.270	--	--	--	--	--	--	--
MW-15	4/26/1994		746.16	7.05	--	739.110	--	--	--	--	--	--	--
MW-15	11/30/1994		746.16	7.29	--	738.870	--	--	--	--	--	--	--
MW-15	6/8/2001		746.16	6.95	--	739.210	--	--	--	--	--	--	--
MW-15	11/15/2001		746.16	7.30	--	738.860	--	--	--	--	--	--	--
MW-15	4/3/2002		746.16	7.11	--	739.050	--	--	--	--	--	--	--
MW-15	9/9/2002		746.16	7.33	--	738.830	--	--	--	--	--	--	--
MW-15	11/18/2002		746.16	7.11	--	739.050	--	--	--	--	--	--	--
MW-15	1/27/2003		746.16	6.47	--	739.690	--	--	--	--	--	--	--
MW-15	4/15/2003		746.16	6.67	--	739.490	--	--	--	--	--	--	--
MW-15	7/29/2003		746.16	7.24	--	738.920	--	--	--	--	--	--	--
MW-15	10/6/2003		746.16	7.32	0.01	738.847	--	--	--	--	--	--	--
MW-15	2/16/2004		746.16	6.79	--	739.370	--	--	--	--	--	--	--
MW-15	5/24/2004		746.16	6.80	--	739.360	--	--	--	--	--	--	--
MW-15	8/9/2004		746.16	6.97	--	739.190	--	--	--	--	--	--	--
MW-15	11/1/2004		746.16	6.98	--	739.180	--	--	--	--	--	--	--
MW-15	2/28/2005		746.16	7.31	--	738.850	--	--	--	--	--	--	--
MW-15	5/24/2005		746.16	7.51	--	738.650	--	--	--	--	--	--	--
MW-15	8/15/2005		746.16	7.89	--	738.270	--	--	--	--	--	--	--
MW-15	10/24/2005		746.16	7.63	--	738.530	--	--	--	--	--	--	--
MW-15	4/24/2006	(Well Inaccessible)	746.16	--	--	--	--	--	--	--	--	--	--
MW-15	8/29/2006	(Well maintenance	746.16	7.81	--	738.350	--	--	--	--	--	--	--
MW-15	10/18/2006	(Well monument	746.16	7.96	--	738.200	--	--	--	--	--	--	--
MW-15	12/5/2006	(Surveyed)	747.19	8.20	--	738.990	--	--	--	--	--	--	--
MW-15	3/28/2007		747.19	8.09	--	739.100	--	--	--	--	--	--	--
MW-15	5/17/2007		747.19	7.91	--	739.280	--	--	--	--	--	--	--
MW-15	9/20/2007		747.19	8.22	--	738.970	--	--	--	--	--	--	--
MW-15	12/13/2007		747.19	7.71	--	739.480	--	--	--	--	--	--	--
MW-15	3/27/2008		747.19	7.94	--	739.250	--	--	--	--	--	--	--
MW-15	5/29/2008		747.19	7.75	--	739.440	--	--	--	--	--	--	--
MW-15	8/21/2008		747.19	8.01	--	739.180	--	--	--	--	--	--	--
MW-15	11/18/2008		747.19	7.98	--	739.210	--	--	--	--	--	--	--
MW-15	2/12/2009		747.19	8.05	--	739.140	--	--	--	--	--	--	--
MW-15	5/21/2009		747.19	7.97	--	739.220	--	--	--	--	--	--	--
MW-15	8/6/2009		747.19	8.25	--	738.940	--	--	--	--	--	--	--
MW-15	11/12/2009		747.19	8.11	--	739.080	--	--	--	--	--	--	--
MW-15	2/18/2010		749.52	7.54	--	741.980	--	--	--	--	--	--	--
MW-15	6/30/2010		749.52	7.85	--	741.674	--	--	--	--	--	--	--
MW-15	8/13/2010		749.52	8.07	--	741.454	--	--	--	--	--	--	--
MW-15	11/12/2010		749.52	7.86	--	741.664	--	--	--	--	--	--	--
MW-15	2/15/2011		749.52	7.61	--	741.914	--	--	--	--	--	--	--
MW-15	10/3/2012		749.52	7.77	--	741.754	--	--	--	--	--	--	--
MW-15	4/7/2014		749.52	7.67	0.0	741.850	--	--	--	--	--	--	--
MW-15	11/19/2014	(NS)	749.52	7.58	0.0	741.940	--	--	--	--	--	--	--
MW-15	4/29/2015	(NS)	749.52	7.40	0.0	742.120	--	--	--	--	--	--	--
MW-15	8/3/2015	(LFP)	749.52	8.13	0.0	741.390	<50	54(J)	410	<0.50	<0.50	<0.50	<0.50
MW-15	11/2/2015	(NS)	749.52	8.09	0.0	741.430	--	--	--	--	--	--	--
MW-15	2/8/2016	(NS)	749.52	7.36	0.0	742.160	--	--	--	--	--	--	--
MW-15	9/6/2016	(NS)	749.52	8.20	0.0	741.320	--	--	--	--	--	--	--
MW-15	2/14/2017	(NS)	749.52	7.76	0.0	741.760	--	--	--	--	--	--	--
MW-15	6/26/2017	(NS)	749.52	7.74	0.0	741.780	--	--	--	--	--	--	--
MW-15	9/11/2017	(NS)	749.52	8.01	0.0	741.510	--	--	--	--	--	--	--
MW-15	2/26/2018	(NS)	749.52	7.23	0.0	742.290	--	--	--	--	--	--	--
MW-15	9/25/2018	(NS)	749.52	7.39	--	742.130	--	--	--	--	--	--	--
MW-15	3/28/2019	(NS)	749.52	6.78	0.0	742.740	--	--	--	--	--	--	--
MW-15	9/17/2019	(NS)	749.52	7.43	0.0	742.090	--	--	--	--	--	--	--
MW-15	2/20/2020	(NS)	749.52	7.48	0.0	742.040	--	--	--	--	--	--	--
MW-15	9/28/2020	(NS)	749.52	7.40	0.0	742.120	--	--	--	--	--	--	--
MW-15	3/8/2021	(NS)	749.52	6.23	0	743.290	--	--	--	--	--	--	--
MW-15	9/28/2021	(NS)	749.52	7.67	0	741.850	--	--	--	--	--	--	--
MW-15	3/16/2022		749.52	6.30	0	743.220							
MW-15	9/21/2022		749.52	7.83	0	741.690							
MW-15	3/6/2023		749.52	5.72	0	743.8	-	-	-	-	-	-	-
MW-15	10/23/2023		749.52	6.84	0	742.68							
MW-16	7/24/1992		747.68	7.83	--	739.850	--	--	--	--	--	--	--
MW-16	11/30/1993		747.68	8.28	--	739.400	--	--	--	--	--	--	--
MW-16	4/26/1994		747.68	7.97	--	739.710	--	--	--	--	--	--	--
MW-16	9/9/2002		747.68	8.19	--	739.490	--	--	--	--	--	--	--
MW-16	9/10/2002		--	--	--	--	<100	<0.25	0.48	<1.0	<1.0	<1.0	<1.0
MW-16	11/18/2002		747.68	7.96	--	739.720	--	--	--	--	--	--	--
MW-16	1/27/2003		747.68	7.21	--	740.470	--	--	--	--	--	--	--
MW-16	1/28/2003		--	--	--	--	<100	<0.25	<0.41	<1.0	<1.0	<1.0	<1.0
MW-16	4/15/2003		747.68	7.54	--	740.140	--	--	--	--	--	--	--
MW-16	7/29/2003		747.68	8.13	--	739.550	--	--	--	--	--	--	--
MW-16	7/30/2003		--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-16	10/6/2003		747.68	8.18	--	739.500	--	--	--	--	--	--	--
MW-16	2/16/2004		747.68	7.40	--	740.280	--	--	--	--	--	--	--
MW-16	2/17/2004		--	--	--	--	<100	<0.25	0.62	<1.0	<1.0	<1.0	<1.0
MW-16	5/24/2004		747.68	7.65	--	740.030	--	--	--	--	--	--	--
MW-16	8/9/2004		747.68	7.89	--	739.790	--	--	--	--	--	--	--
MW-16	8/10/2004		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-16	11/1/2004		747.68	7.83	--	739.850	--	--	--	--	--	--	--
MW-16	2/28/2005		747.68	7.85	--	739.830	--	--	--	--	--	--	--
MW-16	3/1/2005		--	--	--	--	<100	<0.25	<0.41	<1.0	<1.0	<1.0	<1.0
MW-16	5/24/2005		747.68	7.88	--	739.800	--	--	--	--	--	--	--
MW-16	8/15/2005		747.68	8.41	--	739.270	--	--	--	--	--	--	--
MW-16	8/16/2005		--	--	--	--	<100	<0.26	0.82	<1.0	<1.0	<1.0	<1.0
MW-16	8/16/2005	(Dup)	--	--	--	--	<100	<0.26	0.93	<1.0	<1.0	<1.0	<1.0
MW-16	10/24/2005		747.68	8.04	--	739.640	--	--	--	--	--	--	--
MW-16	4/24/2006	(Well maintenance	747.68	7.71	--	739.970	--	--	--	--	--	--	--
MW-16	4/25/2006		--	--	--	--	<50	<0.245	<0.490	<0.500	<0.500	<0.500	<1.00
MW-16	8/29/2006		747.68	8.41	--	739.270	--	--	--	--	--	--	--
MW-16	10/16/2006	(Well monument	747.68	8.50	--	739.180	--	--	--	--	--	--	--
MW-16	10/18/2006		--	--	--	--	<50.0	<0.248	<0.495	1.16	<0.500	4.33	9.57
MW-16	12/4/2006	(Surveyed)	745.75	8.72	--	737.030	--	--	--	--	--	--	--
MW-16	3/27/2007		745.75	8.32	--	737.430	<50.0	<0.250	<0.500	<0.500	<0.500	<0.500	<1.00
MW-16	5/15/2007		745.75	8.14	--	737.610	--	--	--	--	--	--	--
MW-16	9/19/2007		745.75	5.62	--	740.130	<50.0	<0.245	<0.490	<0.500	<0.500	<0.500	<3.00
MW-16	12/11/2007		745.75	7.89	--	737.860	--	--	--	--	--	--	--
MW-16	3/25/2008		745.75	8.11	--	737.640	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<3.00
MW-16	5/27/2008		745.75	8.03	--	737.720	--	--	--	--	--	--	--
MW-16	8/19/2008		745.75	8.36	--	737.390	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<1.00
MW-16	11/18/2008		745.75	8.27	--	737.480	--	--	--	--	--	--	--
MW-16	2/10/2009		745.75	8.30	--	737.450	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	2.02
MW-16	5/19/2009		745.75	8.30	--	737.450	--	--	--	--	--	--	--
MW-16	8/4/2009		745.75	8.72	--	737.030	<50.0	<0.120	<0.240	<0.100	<0.100	<0.100	<0.200
MW-16	11/10/2009		745.75	8.49	--	737.260	--	--	--	--	--	--	--
MW-16	2/16/2010		750.94	7.65	--	743.290	<50	<120	<240	<1.0	<1.0	<1.0	<2.0
MW-16	6/30/2010		750.94	7.96	--	742.978	--	--	--	--	--	--	--
MW-16	8/11/2010	(P)	750.94	8.37	--	742.568	<100	<237	--	<0.200	<1.00	<1.00	<3
MW-16	11/12/2010		750.94	8.51	--	742.428	--	--	--	--	--	--	--
MW-16	2/15/2011	(P)	750.94	7.74	--	743.198	<100	<260	--	<0.200	<1.00	<1.00	<3
MW-16	9/12/2011	(P)	750.94	8.14	0.0	742.800	--	--	--	--	--	--	--
MW-16	9/14/2011		--	--	--	--	<100	<238	--	<0.500	<2.00	<1.00	<1.50
MW-16	10/3/2012	(P)	750.94	8.29	--	742.648	--	--	--	--	--	--	--
MW-16	10/4/2012		--	--	--	--	<90.0	<238	--	<0.200	<0.500	<0.500	<1.50
MW-16	4/7/2014		750.94	8.16	0.0	742.780	<100	--	--	<0.200	<0.500	<0.500	<1.50
MW-16	11/19/2014	(NS)	750.94	8.14	0.0	742.800	--	--	--	--	--	--	--
MW-16	11/20/2014	(LF)	750.94	--	--	--	<50	<28	<65	<0.50	<0.50	<0.50	<0.50
MW-16	4/29/2015	(NS)	750.94	8.05	0.0	742.890	--	--	--	--	--	--	--
MW-16	4/30/2015	(LFP)	750.94	--	--	--	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MW-16	8/3/2015	(NS)	750.94	8.61	0.0	742.330	--	--	--	--	--	--	--
MW-16	8/4/2015	(LFP)	750.94	--	--	--	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MW-16	11/2/2015	(NS)	750.94	8.41	0.0	742.530	--	--	--	--	--	--	--
MW-16	11/3/2015	(LFP)	750.94	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-16	2/8/2016	(NS)	750.94	7.49	0.0	743.450	--	--	--	--	--	--	--
MW-16	2/9/2016	(LFP)	750.94	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-16	9/6/2016	(LFP)	750.94	8.60	0.0	742.340	<50	32(J)	140(J)	<0.50	<0.50	<0.50	<0.50
MW-16	2/14/2017	(LFP, SE)	750.94	7.50	0.0	743.440	<31.6	212(JB)	214(J)	<0.331	<0.412	<0.384	<1.06
MW-16	6/26/2017	(NS)	750.94	8.10	0.0	742.840	--	--	--	--	--	--	--
MW-16	6/27/2017	(LFP)	750.94	--	--	--	<31.6	163(J)	122(J)	<0.331	<0.412	<0.384	<1.06
MW-16	9/11/2017	(LFP)	750.94	8.49	0.0	742.450	--	--	--	--	--	--	--
MW-16	9/12/2017		--	--	--	--	<31.6	80.5(J)	145(J)	<0.331	<0.412	<0.384	<1.06
MW-16	2/26/2018	(NS)	750.94	8.01	0.0	742.930	--	--	--	--	--	--	--
MW-16	2/27/2018	(LFP)	750.94	8.01	0.0	742.930	<100	<200	107(J)	<1.00	<1.00	<1.00	<3.00
MW-16	9/26/2018	(LFP)	750.94	8.47	--	742.470	41.4(B J)	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-16	3/29/2019	(LFP)	750.94	7.42	0.0	743.520	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-16	9/17/2019	(LFP)	750.94	8.38	0.0	742.560	<100	76.5(J)	135(J)	<1.00	<1.00	<1.00	<3.00
MW-16	2/21/2020		750.94	9.44	0.0	741.500	<100	<200	153(J)	<1.00	<1.00	<1.00	<3.00
MW-16	9/28/2020		750.94	8.43	0	742.510	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-16	3/9/2021		750.94	7.10	0	743.840	<100	<200	102 J	<1.00	<1.00	<1.00	0.510 J
MW-16	9/28/2021		750.94	8.52	0	742.420	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-16	3/15/2022		750.94	8.32	0	742.620	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-16	9/21/2022		750.94	8.67	0	742.270	<100	101J	99.6J	<1.00	<1.00	<1.00	<3.00
MW-16	3/6/2023		750.94	8	0	742.94	83.1 J	73.4 J	103J	0.0996 J	<1.00	0.493J	0.306J
MW-16	10/23/2023		750.94	8.61	0	742.33	<100	<200	93.1J	<1.00	<1.00	<1.00	<3.00
MW-17	7/24/1992		746.73	6.00	--	740.730	--	--	--	--	--	--	--
MW-17	11/30/1993		746.73	7.32	--	739.410	--	--	--	--	--	--	--
MW-17	4/26/1994		746.73	6.00	--	740.730	--	--	--	--	--	--	--
MW-17	6/8/2001		746.73	6.06	--	740.670	--	--	--	--	--	--	--
MW-17	11/15/2001		746.73	6.25	--	740.480	--	--	--	--	--	--	--
MW-17	4/3/2002		746.73	6.09	--	740.640	--	--	--	--	--	--	--
MW-17	9/9/2002		746.73	6.20	--	740.530	--	--	--	--	--	--	--
MW-17	11/18/2002		746.73	6.00	--	740.730	--	--	--	--	--	--	--
MW-17	1/27/2003		746.73	5.16	--	741.570	--	--	--	--	--	--	--
MW-17	4/15/2003		746.73	5.10	--	741.630	--	--	--	--	--	--	--
MW-17	7/29/2003		746.73	6.21	--	740.520	--	--	--	--	--	--	--
MW-17	10/6/2003		746.73	6.19	--	740.540	--	--	--	--	--	--	--
MW-17	2/16/2004		746.73	5.42	--	741.310	--	--	--	--	--	--	--
MW-17	5/24/2004		746.73	5.67	--	741.060	--	--	--	--	--	--	--
MW-17	8/9/2004		746.73	5.89	--	740.840	--	--	--	--	--	--	--
MW-17	11/1/2004		746.73	5.89	--	740.840	--	--	--	--	--	--	--
MW-17	2/28/2005		746.73	5.94	--	740.790	--	--	--	--	--	--	--
MW-17	5/24/2005		746.73	5.99	--	740.740	--	--	--	--	--	--	--
MW-17	8/15/2005		746.73	6.55	--	740.180	--	--	--	--	--	--	--
MW-17	10/24/2005		746.73	6.13	--	740.600	--	--	--	--	--	--	--
MW-17	4/24/2006		746.73	5.82	--	740.910	--	--	--	--	--	--	--
MW-17	8/28/2006		746.73	6.46	--	740.270	--	--	--	--	--	--	--
MW-17	10/16/2006	(Well monument	746.73	6.46	--	740.270	--	--	--	--	--	--	--
MW-17	12/4/2006		746.73	6.50	--	740.230	--	--	--	--	--	--	--
MW-17	3/26/2007		746.73	6.24	--	740.490	--	--	--	--	--	--	--
MW-17	5/15/2007		746.73	6.06	--	740.670	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-17	9/18/2007		746.73	6.45	--	740.280	--	--	--	--	--	--	--
MW-17	12/11/2007		746.73	5.73	--	741.000	--	--	--	--	--	--	--
MW-17	3/25/2008		746.73	6.05	--	740.680	--	--	--	--	--	--	--
MW-17	5/27/2008		746.73	5.95	--	740.780	--	--	--	--	--	--	--
MW-17	8/19/2008		746.73	6.30	--	740.430	--	--	--	--	--	--	--
MW-17	11/18/2008		746.73	6.17	--	740.560	--	--	--	--	--	--	--
MW-17	2/10/2009		746.73	6.22	--	740.510	--	--	--	--	--	--	--
MW-17	5/19/2009		746.73	6.25	--	740.480	--	--	--	--	--	--	--
MW-17	8/4/2009		746.73	6.60	--	740.130	--	--	--	--	--	--	--
MW-17	11/10/2009		746.73	7.45	--	739.280	--	--	--	--	--	--	--
MW-17	2/16/2010		749.45	5.59	--	743.860	--	--	--	--	--	--	--
MW-17	6/30/2010		749.45	5.90	--	743.546	--	--	--	--	--	--	--
MW-17	8/11/2010		749.45	6.31	--	743.136	--	--	--	--	--	--	--
MW-17	11/11/2010		749.45	5.88	--	743.566	--	--	--	--	--	--	--
MW-17	2/15/2011		749.45	5.76	--	743.686	--	--	--	--	--	--	--
MW-17	9/12/2011		749.45	6.05	0.0	743.400	--	--	--	--	--	--	--
MW-17	10/3/2012		749.45	6.17	--	743.276	--	--	--	--	--	--	--
MW-17	4/7/2014		749.45	6.13	0.0	743.320	--	--	--	--	--	--	--
MW-17	11/19/2014	(NS)	749.45	6.01	0.0	743.440	--	--	--	--	--	--	--
MW-17	4/29/2015	(NS)	749.45	6.01	0.0	743.440	--	--	--	--	--	--	--
MW-17	8/3/2015	(NS)	749.45	6.61	0.0	742.840	--	--	--	--	--	--	--
MW-17	11/2/2015	(NS)	749.45	6.69	0.0	742.760	--	--	--	--	--	--	--
MW-17	2/8/2016	(NS)	749.45	5.40	0.0	744.050	--	--	--	--	--	--	--
MW-17	9/6/2016	(NS)	749.45	6.75	0.0	742.700	--	--	--	--	--	--	--
MW-17	2/14/2017	(NS)	749.45	6.22	0.0	743.230	--	--	--	--	--	--	--
MW-17	6/26/2017	(NS)	749.45	6.05	0.0	743.400	--	--	--	--	--	--	--
MW-17	9/11/2017	(NS)	749.45	6.21	0.0	743.240	--	--	--	--	--	--	--
MW-17	2/26/2018	(NS)	749.45	6.01	0.0	743.440	--	--	--	--	--	--	--
MW-17	9/25/2018	(Unable to access)	749.45	--	--	--	--	--	--	--	--	--	--
MW-17	3/28/2019	(NS)	749.45	5.31	0.0	744.140	--	--	--	--	--	--	--
MW-17	9/17/2019	(NS)	749.45	6.20	0.0	743.250	--	--	--	--	--	--	--
MW-17	2/20/2020	(NS)	749.45	6.25	0.0	743.200	--	--	--	--	--	--	
MW-17	9/28/2020	(NS)	749.45	6.27	0.0	743.180	--	--	--	--	--	--	
MW-17	3/8/2021	(NS)	749.45	5.95	0	743.500	--	--	--	--	--	--	--
MW-17	9/28/2021	(NS)	749.45	6.34	0	743.110	--	--	--	--	--	--	--
MW-17	3/16/2022		749.45	5.36	0	744.087							
MW-17	9/21/2022		749.45	6.65	0	742.800							
MW-17	3/6/2023		749.45	5.22	0	744.23	-	-	-	-	-	-	-
MW-17	10/23/2023		749.45	5.76	0	743.69							
MW-18	7/24/1992		745.28	5.29	--	739.990	--	--	--	--	--	--	--
MW-18	11/30/1993		745.28	6.00	--	739.280	--	--	--	--	--	--	--
MW-18	4/26/1994		745.28	5.92	--	739.360	--	--	--	--	--	--	--
MW-18	4/24/2006	(Well maintenance	745.28	6.20	--	739.080	--	--	--	--	--	--	--
MW-18	8/28/2006		745.28	6.24	--	739.040	--	--	--	--	--	--	--
MW-18	10/16/2006		745.28	6.31	--	738.970	--	--	--	--	--	--	--
MW-18	12/5/2006		745.28	6.32	--	738.960	--	--	--	--	--	--	--
MW-18	3/26/2007		745.28	6.16	--	739.120	--	--	--	--	--	--	--
MW-18	5/15/2007		745.28	6.12	--	739.160	--	--	--	--	--	--	--
MW-18	9/19/2007		745.28	6.38	--	738.900	--	--	--	--	--	--	--
MW-18	12/11/2007		745.28	6.08	--	739.200	--	--	--	--	--	--	--
MW-18	3/25/2008		745.28	6.09	--	739.190	--	--	--	--	--	--	--
MW-18	5/27/2008		745.28	6.08	--	739.200	--	--	--	--	--	--	--
MW-18	8/19/2008		745.28	6.25	--	739.030	--	--	--	--	--	--	--
MW-18	11/18/2008		745.28	6.21	--	739.070	--	--	--	--	--	--	--
MW-18	2/10/2009		745.28	6.22	--	739.060	--	--	--	--	--	--	--
MW-18	5/19/2009		745.28	6.17	--	739.110	--	--	--	--	--	--	--
MW-18	8/4/2009		745.28	6.32	--	738.960	--	--	--	--	--	--	--
MW-18	11/10/2009		745.28	6.28	--	739.000	--	--	--	--	--	--	--
MW-18	2/16/2010		748.27	6.02	--	742.250	--	--	--	--	--	--	--
MW-18	6/30/2010		748.27	6.33	--	741.940	--	--	--	--	--	--	--
MW-18	8/11/2010		748.27	6.25	--	742.020	--	--	--	--	--	--	--
MW-18	11/11/2010		748.27	6.15	--	742.120	--	--	--	--	--	--	--
MW-18	2/15/2011		748.27	6.05	--	742.220	--	--	--	--	--	--	--
MW-18	9/12/2011		748.27	6.22	0.0	742.050	--	--	--	--	--	--	--
MW-18	10/3/2012		748.27	6.29	--	741.980	--	--	--	--	--	--	--
MW-18	4/7/2014		748.27	6.13	0.0	742.140	--	--	--	--	--	--	--
MW-18	11/19/2014	(NS)	748.27	6.22	0.0	742.050	--	--	--	--	--	--	--
MW-18	4/29/2015	(NS)	748.27	6.21	0.0	742.060	--	--	--	--	--	--	--
MW-18	8/3/2015	(NS)	748.27	6.51	0.0	741.760	--	--	--	--	--	--	--
MW-18	11/2/2015	(NS)	748.27	6.42	0.0	741.850	--	--	--	--	--	--	--
MW-18	2/8/2016	(NS)	748.27	6.10	0.0	742.170	--	--	--	--	--	--	--
MW-18	9/6/2016	(NS)	748.27	6.42	0.0	741.850	--	--	--	--	--	--	--
MW-18	2/14/2017	(NS)	748.27	5.99	0.0	742.280	--	--	--	--	--	--	--
MW-18	6/26/2017	(NS)	748.27	6.19	0.0	742.080	--	--	--	--	--	--	--
MW-18	9/11/2017	(NS)	748.27	6.35	0.0	741.920	--	--	--	--	--	--	--
MW-18	2/26/2018	(NS)	748.27	6.22	0.0	742.050	--	--	--	--	--	--	--
MW-18	9/25/2018	(NS)	748.27	6.34	--	741.930	--	--	--	--	--	--	--
MW-18	3/28/2019	(NS)	748.27	6.06	0.0	742.210	--	--	--	--	--	--	--
MW-18	9/17/2019	(NS)	748.27	6.32	0.0	741.950	--	--	--	--	--	--	--
MW-18	2/20/2020	(NS)	748.27	6.29	0.0	741.980							
MW-18	9/28/2020	(NS)	748.27	6.32	0.0	741.950							
MW-18	3/8/2021	(NS)	748.27	6.17	0	742.100	--	--	--	--	--	--	--
MW-18	9/28/2021	(NS)	748.27	6.32	0	741.950	--	--	--	--	--	--	--
MW-18	3/16/2022		748.27	6.28	0	741.990							
MW-18	9/21/2022		748.27	6.45	0	741.820							
MW-18	3/6/2023		748.27	6.15	0	742.12	-	-	-	-	-	-	-
MW-18	10/23/2023		748.27	6.44	0	741.83							
MW-19	7/24/1992		745.38	5.27	--	740.110	--	--	--	--	--	--	--
MW-19	11/30/1993		745.38	5.91	--	739.470	--	--	--	--	--	--	--
MW-19	4/26/1994		745.38	5.45	--	739.930	--	--	--	--	--	--	--
MW-19	4/24/2006	(Well maintenance	745.38	5.29	--	740.090	--	--	--	--	--	--	--
MW-19	8/28/2006		745.38	5.80	--	739.580	--	--	--	--	--	--	--
MW-19	10/16/2006	(Well monument	745.38	5.83	--	739.550	--	--	--	--	--	--	--
MW-19	12/4/2006	(Surveyed)	747.91	5.90	--	742.010	--	--	--	--	--	--	--
MW-19	3/26/2007		747.91	6.02	--	741.890	--	--	--	--	--	--	--
MW-19	5/15/2007		747.91	5.87	--	742.040	--	--	--	--	--	--	--
MW-19	9/18/2007		747.91	6.15	--	741.760	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-19	12/11/2007		747.91	5.54	--	742.370	--	--	--	--	--	--	--
MW-19	3/25/2008		747.91	5.90	--	742.010	--	--	--	--	--	--	--
MW-19	5/27/2008		747.91	5.79	--	742.120	--	--	--	--	--	--	--
MW-19	8/19/2008		747.91	9.06	--	738.850	--	--	--	--	--	--	--
MW-19	2/10/2009		747.91	9.01	--	738.900	--	--	--	--	--	--	--
MW-19	5/19/2009		747.91	6.02	--	741.890	--	--	--	--	--	--	--
MW-19	8/4/2009		747.91	6.31	--	741.600	--	--	--	--	--	--	--
MW-19	11/10/2009		747.91	6.10	--	741.810	--	--	--	--	--	--	--
MW-19	11/18/2009		747.91	6.16	--	741.750	--	--	--	--	--	--	--
MW-19	2/16/2010		748.74	5.42	--	743.320	--	--	--	--	--	--	--
MW-19	7/1/2010		748.74	5.73	--	743.007	--	--	--	--	--	--	--
MW-19	8/13/2010		748.74	6.03	--	742.707	--	--	--	--	--	--	--
MW-19	11/11/2010		748.74	5.65	--	743.087	--	--	--	--	--	--	--
MW-19	2/15/2011		748.74	5.58	--	743.157	--	--	--	--	--	--	--
MW-19	10/3/2012	(NM)	748.74	--	--	--	--	--	--	--	--	--	--
MW-19	4/7/2014		748.74	5.89	0.0	742.850	--	--	--	--	--	--	--
MW-19	11/19/2014	(NS)	748.74	5.84	0.0	742.900	--	--	--	--	--	--	--
MW-19	4/29/2015	(NS)	748.74	5.72	0.0	743.020	--	--	--	--	--	--	--
MW-19	8/3/2015	(NS)	748.74	6.21	0.0	742.530	--	--	--	--	--	--	--
MW-19	11/2/2015	(NS)	748.74	5.96	0.0	742.780	--	--	--	--	--	--	--
MW-19	2/8/2016	(NS)	748.74	5.35	0.0	743.390	--	--	--	--	--	--	--
MW-19	9/6/2016	(NS)	748.74	6.19	0.0	742.550	--	--	--	--	--	--	--
MW-19	6/26/2017	(NS)	748.74	5.78	0.0	742.960	--	--	--	--	--	--	--
MW-19	9/11/2017	(NS)	748.74	6.03	0.0	742.710	--	--	--	--	--	--	--
MW-19	2/26/2018	(NS)	748.74	5.84	0.0	742.900	--	--	--	--	--	--	--
MW-19	9/25/2018	(NS)	748.74	5.97	--	742.770	--	--	--	--	--	--	--
MW-19	3/28/2019	(NS)	748.73	5.13	0.0	743.600	--	--	--	--	--	--	--
MW-19	9/17/2019	(NS)	748.73	6.09	0.0	742.640	--	--	--	--	--	--	--
MW-19	2/20/2020	(NS)	748.73	5.98	0.0	742.750	--						
MW-19	9/28/2020	(NS)	748.73	6.00	0.0	742.730	--						
MW-19	3/8/2021	(NS)	748.73	5.70	0	743.030	--	--	--	--	--	--	--
MW-19	9/28/2021	(NS)	748.73	5.98	0	742.750	--	--	--	--	--	--	--
MW-19	3/16/2022		748.73	5.69	0	743.040							
MW-19	9/21/2022		748.73	6.27	0	742.460							
MW-19	3/6/2023		748.73	5.62	0	743.11	-	-	-	-	-	-	-
MW-19	10/23/2023		748.73	6.02	0	742.71							
MW-20	7/24/1992		734.77	8.90	--	725.870	--	--	--	--	--	--	--
MW-20	11/30/1993		734.77	9.20	--	725.570	<50	0.49	2.13	<0.50	<1.0	<1.0	<1.0
MW-20	4/26/1994		734.77	8.98	--	725.790	--	--	--	--	--	--	--
MW-20	6/6/1994		734.77	8.95	--	725.820	--	--	--	--	--	--	--
MW-20	3/17/1999		--	--	--	--	<50	<0.25	--	<0.50	<1.0	<1.0	<1.0
MW-20	6/7/2001		--	--	--	--	<100	<0.25	<0.50	<1.0	<1.0	<1.0	<1.0
MW-20	6/8/2001		734.77	8.99	--	725.780	--	--	--	--	--	--	--
MW-20	11/15/2001		734.77	9.10	--	725.670	--	--	--	--	--	--	--
MW-20	11/16/2001		--	--	--	--	<50	<0.25	<0.50	<0.50	<0.50	<0.50	<1.0
MW-20	4/3/2002		734.77	8.97	--	725.800	<50	<0.25	<0.50	<0.50	<0.50	<0.50	<1.0
MW-20	9/9/2002		734.77	9.22	--	725.550	--	--	--	--	--	--	--
MW-20	9/10/2002		--	--	--	--	<100	<0.25	<0.41	<1.0	<1.0	<1.0	<1.0
MW-20	11/18/2002		734.77	9.07	--	725.700	--	--	--	--	--	--	--
MW-20	1/27/2003		734.77	8.60	--	726.170	--	--	--	--	--	--	--
MW-20	1/28/2003		--	--	--	--	<100	<0.25	<0.41	<1.0	<1.0	<1.0	<1.0
MW-20	4/15/2003		734.77	8.69	--	726.080	--	--	--	--	--	--	--
MW-20	7/29/2003		734.77	9.10	--	725.670	--	--	--	--	--	--	--
MW-20	7/30/2003		--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0
MW-20	10/6/2003		734.77	9.14	--	725.630	--	--	--	--	--	--	--
MW-20	2/16/2004		734.77	8.65	--	726.120	--	--	--	--	--	--	--
MW-20	2/17/2004		--	--	--	--	<100	<0.25	0.45	<1.0	<1.0	<1.0	<1.0
MW-20	5/24/2004		734.77	8.83	--	725.940	--	--	--	--	--	--	--
MW-20	8/9/2004		734.77	8.97	--	725.800	--	--	--	--	--	--	--
MW-20	8/10/2004		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-20	11/1/2004		734.77	9.00	--	725.770	--	--	--	--	--	--	--
MW-20	2/28/2005		734.77	8.89	--	725.880	--	--	--	--	--	--	--
MW-20	3/1/2005		--	--	--	--	<100	<0.25	<0.41	<1.0	<1.0	<1.0	<1.0
MW-20	5/24/2005		734.77	8.91	--	725.860	--	--	--	--	--	--	--
MW-20	8/15/2005		734.77	9.20	--	725.570	--	--	--	--	--	--	--
MW-20	8/16/2005		--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0
MW-20	10/24/2005		734.77	9.07	--	725.700	--	--	--	--	--	--	--
MW-20	4/26/2006		734.77	8.80	--	725.970	<50	<0.245	<0.490	<0.500	<0.500	<0.500	<1.00
MW-20	8/28/2006		734.77	9.28	--	725.490	--	--	--	--	--	--	--
MW-20	10/17/2006		734.77	9.44	--	725.330	--	--	--	--	--	--	--
MW-20	10/18/2006		--	--	--	--	<50.0	<0.245	<0.490	<0.500	<0.500	<0.500	<3.00
MW-20	12/5/2006		734.77	9.35	--	725.420	--	--	--	--	--	--	--
MW-20	3/27/2007		734.77	9.15	--	725.620	<50.0	<0.255	<0.510	<0.500	<0.500	<0.500	<1.00
MW-20	5/15/2007		734.77	8.98	--	725.790	--	--	--	--	--	--	--
MW-20	9/18/2007		734.77	9.36	--	725.410	--	--	--	--	--	--	--
MW-20	9/19/2007		--	--	--	--	<50.0	<0.245	<0.490	<0.500	<0.500	<0.500	<3.00
MW-20	12/12/2007		734.77	8.92	--	725.850	--	--	--	--	--	--	--
MW-20	3/25/2008		734.77	8.94	--	725.830	201	0.332	1.56	<0.500	<0.500	<0.500	92.7
MW-20	5/28/2008		734.77	8.97	--	725.800	--	--	--	--	--	--	--
MW-20	8/20/2008		734.77	9.21	--	725.560	<50.0	--	--	<0.500	<0.500	<0.500	<1.00
MW-20	2/11/2009		734.77	9.16	--	725.610	<50.0	<0.236	0.815	<0.500	<0.500	<0.500	<1.00
MW-20	5/20/2009		734.77	9.22	--	725.550	--	--	--	--	--	--	--
MW-20	8/5/2009		734.77	9.48	--	725.290	<50.0	<0.120	0.66	<0.100	<0.100	<0.100	<0.200
MW-20	11/11/2009		734.77	9.30	--	725.470	--	--	--	--	--	--	--
MW-20	11/19/2009		734.77	9.22	--	725.550	--	--	--	--	--	--	--
MW-20	2/17/2010		746.78	8.79	--	737.990	<50	140	**1,900**	<1.0	<1.0	<1.0	<2.0
MW-20	7/1/2010		746.78	9.10	--	737.676	--	--	--	--	--	--	--
MW-20	8/13/2010	(P)	746.78	9.27	--	737.506	<100	**561**	--	<0.200	<1.00	<1.00	<3
MW-20	11/12/2010		746.78	9.14	--	737.636	--	--	--	--	--	--	--
MW-20	2/15/2011	(P)	746.78	8.82	--	737.956	<100	<240	--	<0.200	<1.00	<1.00	<3
MW-20	9/12/2011	(P)	746.78	9.18	0.0	737.600	--	--	--	--	--	--	--
MW-20	9/13/2011		--	--	--	--	<100	<238	--	<0.500	<2.00	<1.00	<1.50
MW-20	10/3/2012	(P)	746.78	9.23	--	737.546	--	--	--	--	--	--	--
MW-20	10/4/2012		--	--	--	--	<90.0	<237	--	<0.200	<0.500	<0.500	<1.50
MW-20	4/8/2014		746.78	8.73	0.0	738.050	<100	--	--	<0.200	<0.500	<0.500	<1.50
MW-20	11/19/2014	(NS)	746.78	8.91	0.0	737.870	--	--	--	--	--	--	--
MW-20	11/20/2014	(LF)	746.78	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-20	4/29/2015	(LFP)	746.78	8.78	0.0	738.000	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-20	8/3/2015	(LFP)	746.78	9.23	0.0	737.550	170(J)	99	<67	<0.50	<0.50	3.1	9.9
MW-20	11/2/2015	(LFP)	746.78	8.98	0.0	737.800	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MW-20	2/8/2016	(LFP)	746.78	8.41	0.0	738.370	170(J)	**1,700**	**1,100**	<0.50	30	<0.50	<0.50
MW-20	9/6/2016	(LFP)	746.78	9.11	0.0	737.670	<50	310	**880**	<0.50	12	0.84(J)	<0.50
MW-20	2/14/2017	(LFP)	746.78	8.59	0.0	738.190	36.9(J)	**808**	**1,620**	<0.331	12.1	0.617(J)	<1.06
MW-20	6/27/2017	(LFP)	746.78	8.91	0.0	737.870	<31.6	**776**	**1,050**	<0.331	41.3	<0.384	<1.06
MW-20	9/12/2017	(LFP)	746.78	9.30	0.0	737.480	<31.6	493	**942**	<0.331	<0.412	<0.384	<1.06
MW-20	2/26/2018	(LFP)	746.78	8.68	0.0	738.100	<100	**528**	**1,010**	<1.00	<1.00	<1.00	<3.00
MW-20	9/26/2018	(LFP)	746.78	9.42	--	737.360	62.2(B J)	391	**1,150**	<1.00	<1.00	2.03	3.52
MW-20	3/28/2019	(LFP)	746.78	8.51	0.0	738.270	<100	<200	176(J)	<1.00	5.20	<1.00	<3.00
MW-20	9/17/2019	(LFP)	746.78	9.06	0.0	737.720	<100	**2,060**	**2,680**	<1.00	<1.00	<1.00	<3.00
MW-20	2/20/2020		746.78	8.83	0.0	737.950	35.4(J,B)	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-20	9/28/2020		746.78	9.07	0	737.710	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-20	3/8/2021		746.78	8.65	0	738.130	90.4 B,J	141	**903**	<1.00	<1.00	<1.00	0.246 J
MW-20	9/28/2021		746.78	9.02	0	737.760	<100	72.2 J	298	<1.00	<1.00	<1.00	<3.00
MW-20	3/15/2022		746.78	8.43	0	738.350	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-20	9/21/2022		746.78	9.12	0	737.660	108B	**1290**	**1560**	<1.00	<1.00	<1.00	<3.00
MW-20	3/15/2023	Destroyed	746.78		0		-	-	-	-	-	-	-
MW-20	10/23/2023	Destroyed	746.78		0								
MW-21	12/2/1993		745.40	6.49	--	738.910	--	--	--	--	--	--	--
MW-21	4/26/1994		745.40	6.22	--	739.180	--	--	--	--	--	--	--
MW-21	6/8/2001		745.40	6.38	--	739.020	--	--	--	--	--	--	--
MW-21	11/15/2001		745.40	6.51	--	738.890	--	--	--	--	--	--	--
MW-21	4/3/2002		745.40	6.47	--	738.930	--	--	--	--	--	--	--
MW-21	9/9/2002		745.40	6.60	--	738.800	--	--	--	--	--	--	--
MW-21	11/18/2002		745.40	6.45	--	738.950	--	--	--	--	--	--	--
MW-21	1/27/2003		745.40	5.82	--	739.580	--	--	--	--	--	--	--
MW-21	4/15/2003		745.40	6.00	--	739.400	--	--	--	--	--	--	--
MW-21	7/29/2003		745.40	6.50	--	738.900	--	--	--	--	--	--	--
MW-21	10/6/2003		745.40	6.46	--	738.940	--	--	--	--	--	--	--
MW-21	2/16/2004		745.40	5.93	--	739.470	--	--	--	--	--	--	--
MW-21	5/24/2004		745.40	6.02	--	739.380	--	--	--	--	--	--	--
MW-21	8/9/2004		745.40	6.17	--	739.230	--	--	--	--	--	--	--
MW-21	11/1/2004		745.40	6.21	--	739.190	--	--	--	--	--	--	--
MW-21	2/28/2005		745.40	6.48	--	738.920	--	--	--	--	--	--	--
MW-21	5/24/2005		745.40	6.71	--	738.690	--	--	--	--	--	--	--
MW-21	8/15/2005		745.40	7.05	--	738.350	--	--	--	--	--	--	--
MW-21	10/24/2005		745.40	6.89	--	738.510	--	--	--	--	--	--	--
MW-21	4/24/2006	(Well maintenance	745.40	6.55	--	738.850	--	--	--	--	--	--	--
MW-21	8/28/2006		745.40	7.03	--	738.370	--	--	--	--	--	--	--
MW-21	10/16/2006		745.40	7.19	--	738.210	--	--	--	--	--	--	--
MW-21	12/4/2006		745.40	6.26	--	739.140	--	--	--	--	--	--	--
MW-21	3/26/2007		745.40	6.92	--	738.480	--	--	--	--	--	--	--
MW-21	5/17/2007		745.40	6.80	--	738.600	--	--	--	--	--	--	--
MW-21	9/18/2007		745.40	7.18	--	738.220	--	--	--	--	--	--	--
MW-21	12/11/2007		745.40	6.62	--	738.780	--	--	--	--	--	--	--
MW-21	3/25/2008		745.40	6.83	--	738.570	--	--	--	--	--	--	--
MW-21	5/27/2008		745.40	6.80	--	738.600	--	--	--	--	--	--	--
MW-21	8/19/2008		745.40	6.99	--	738.410	--	--	--	--	--	--	--
MW-21	2/10/2009		745.40	6.95	--	738.450	--	--	--	--	--	--	--
MW-21	5/19/2009		745.40	6.94	--	738.460	--	--	--	--	--	--	--
MW-21	8/4/2009		745.40	7.17	--	738.230	--	--	--	--	--	--	--
MW-21	11/10/2009		745.40	7.02	--	738.380	--	--	--	--	--	--	--
MW-21	11/18/2009		745.40	6.43	--	738.970	--	--	--	--	--	--	--
MW-21	2/16/2010		748.41	6.47	--	741.940	--	--	--	--	--	--	--
MW-21	6/30/2010		748.41	6.78	--	741.634	--	--	--	--	--	--	--
MW-21	8/11/2010		748.41	6.97	--	741.444	--	--	--	--	--	--	--
MW-21	11/11/2010		748.41	6.70	--	741.714	--	--	--	--	--	--	--
MW-21	2/15/2011		748.41	6.44	--	741.974	--	--	--	--	--	--	--
MW-21	10/3/2012		748.41	6.75	--	741.664	--	--	--	--	--	--	--
MW-21	4/7/2014		748.41	6.86	0.0	741.550	--	--	--	--	--	--	--
MW-21	11/19/2014	(NS)	748.41	6.56	0.0	741.850	--	--	--	--	--	--	--
MW-21	4/29/2015	(NS)	748.41	6.58	0.0	741.830	--	--	--	--	--	--	--
MW-21	8/3/2015	(NS)	748.41	7.24	0.0	741.170	--	--	--	--	--	--	--
MW-21	11/2/2015	(NS)	748.41	7.01	0.0	741.400	--	--	--	--	--	--	--
MW-21	2/8/2016	(NS)	748.41	6.34	0.0	742.070	--	--	--	--	--	--	--
MW-21	9/6/2016	(NS)	748.41	7.14	0.0	741.270	--	--	--	--	--	--	--
MW-21	6/26/2017	(NS)	748.41	6.70	0.0	741.710	--	--	--	--	--	--	--
MW-21	9/11/2017	(Unable to access)	748.41	--	--	--	--	--	--	--	--	--	--
MW-21	2/26/2018	(NS)	748.41	6.71	0.0	741.700	--	--	--	--	--	--	--
MW-21	9/25/2018	(NS)	748.41	6.85	--	741.560	--	--	--	--	--	--	--
MW-21	3/28/2019	(NS)	748.41	5.51	0.0	742.900	--	--	--	--	--	--	--
MW-21	9/17/2019	(NS)	748.41	6.28	0.0	742.130	--	--	--	--	--	--	--
MW-21	2/20/2020	(NS)	748.90	6.38	0.0	742.520	--	--	--	--	--		
MW-21	9/28/2020	(NS)	748.90	6.18	0.0	742.720	--	--	--	--	--		
MW-21	3/8/2021	(NS)	748.41	5.96	0	742.450	--	--	--	--	--	--	--
MW-21	9/28/2021	(NS)	748.41	6.40	0	742.010	--	--	--	--	--	--	--
MW-21	3/16/2022		748.41	6.28	0	742.130							
MW-21	9/21/2022		748.41	6.54	0	741.870							
MW-21	3/6/2023		748.41	6.08	0	742.33	-	-	-	-	-	-	-
MW-21	10/23/2023		748.41	6.67	0	741.74							
MW-22	12/2/1993		745.90	6.56	0	739.340	--	--	--	--	--	--	--
MW-22	4/26/1994		745.90	6.21	--	739.690	--	--	--	--	--	--	--
MW-22	4/24/2006	(Well maintenance	745.90	6.12	--	739.780	--	--	--	--	--	--	--
MW-22	8/28/2006		745.90	6.66	--	739.240	--	--	--	--	--	--	--
MW-22	10/16/2006		745.90	6.75	--	739.150	--	--	--	--	--	--	--
MW-22	12/4/2006		745.90	5.68	--	740.220	--	--	--	--	--	--	--
MW-22	3/26/2007		745.90	6.49	--	739.410	--	--	--	--	--	--	--
MW-22	5/15/2007		745.90	6.35	--	739.550	--	--	--	--	--	--	--
MW-22	9/18/2007		745.90	6.70	--	739.200	--	--	--	--	--	--	--
MW-22	12/11/2007		745.90	6.07	--	739.830	--	--	--	--	--	--	--
MW-22	3/25/2008		745.90	6.40	--	739.500	--	--	--	--	--	--	--
MW-22	5/27/2008		745.90	6.33	--	739.570	--	--	--	--	--	--	--
MW-22	8/20/2008		745.90	6.56	--	739.340	--	--	--	--	--	--	--
MW-22	2/10/2009		745.90	6.53	--	739.370	--	--	--	--	--	--	--
MW-22	5/19/2009		745.90	6.54	--	739.360	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-22	8/4/2009		745.90	6.83	--	739.070	--	--	--	--	--	--	--
MW-22	11/10/2009		745.90	6.64	--	739.260	--	--	--	--	--	--	--
MW-22	11/18/2009		745.90	6.47	--	739.430	--	--	--	--	--	--	--
MW-22	2/16/2010		748.90	5.95	--	742.950	--	--	--	--	--	--	--
MW-22	6/30/2010		748.90	6.26	--	742.642	--	--	--	--	--	--	--
MW-22	8/11/2010		748.90	6.56	--	742.342	--	--	--	--	--	--	--
MW-22	11/11/2010		748.90	6.28	--	742.622	--	--	--	--	--	--	--
MW-22	2/15/2011		748.90	6.06	--	742.842	--	--	--	--	--	--	--
MW-22	10/3/2012		748.90	6.39	--	742.512	--	--	--	--	--	--	--
MW-22	4/7/2014		748.90	6.36	0.0	742.540	--	--	--	--	--	--	--
MW-22	11/19/2014	(NS)	748.90	6.27	0.0	742.630	--	--	--	--	--	--	--
MW-22	4/29/2015	(NS)	748.90	6.41	0.0	742.490	--	--	--	--	--	--	--
MW-22	8/3/2015	(NS)	748.90	6.82	0.0	742.080	--	--	--	--	--	--	--
MW-22	11/2/2015	(NS)	748.90	6.63	0.0	742.270	--	--	--	--	--	--	--
MW-22	2/8/2016	(NS)	748.90	5.90	0.0	743.000	--	--	--	--	--	--	--
MW-22	9/6/2016	(NS)	748.90	6.75	0.0	742.150	--	--	--	--	--	--	--
MW-22	2/14/2017	(NS)	748.90	5.71	0.0	743.190	--	--	--	--	--	--	--
MW-22	6/26/2017	(NS)	748.90	6.33	0.0	742.570	--	--	--	--	--	--	--
MW-22	9/11/2017	(NS)	748.90	6.64	0.0	742.260	--	--	--	--	--	--	--
MW-22	2/26/2018	(NS)	748.90	6.42	0.0	742.480	--	--	--	--	--	--	--
MW-22	9/25/2018	(NS)	748.90	6.27	--	742.630	--	--	--	--	--	--	--
MW-22	3/28/2019	(NS)	748.90	5.47	0.0	743.430	--	--	--	--	--	--	--
MW-22	9/17/2019	(NS)	748.90	6.40	0.0	742.500	--	--	--	--	--	--	--
MW-22	2/20/2020	(NS)	748.90	6.38	0.0	742.520	--	--	--	--			
MW-22	9/28/2020	(NS)	748.90	6.18	0.0	742.720	--	--	--	--			
MW-22	3/8/2021	(NS)	748.90	6.01	0	742.890	--	--	--	--	--	--	--
MW-22	9/28/2021	(NS)	748.90	6.41	0	742.490	--	--	--	--	--	--	--
MW-22	3/16/2022		748.90	6.21	0	742.690							
MW-22	9/21/2022		748.90	6.54	0	742.360							
MW-22	3/6/2023		748.90	6.02	0	742.88	-	-	-	-	-	-	-
MW-22	10/23/2023		748.90	6.55	0	742.35							
MW-23	12/2/1993		746.19	6.67	--	739.520	--	--	--	--	--	--	--
MW-23	4/26/1994		746.19	6.33	--	739.860	--	--	--	--	--	--	--
MW-23	4/24/2006	(Well maintenance	746.19	6.19	--	740.000	--	--	--	--	--	--	--
MW-23	8/28/2006		746.19	6.71	--	739.480	--	--	--	--	--	--	--
MW-23	10/16/2006		746.19	6.77	--	739.420	--	--	--	--	--	--	--
MW-23	12/4/2006		746.19	3.51	--	742.680	--	--	--	--	--	--	--
MW-23	3/26/2007		746.19	6.54	--	739.650	--	--	--	--	--	--	--
MW-23	5/15/2007		746.19	6.41	--	739.780	--	--	--	--	--	--	--
MW-23	9/18/2007		746.19	6.72	--	739.470	--	--	--	--	--	--	--
MW-23	12/11/2007		746.19	6.11	--	740.080	--	--	--	--	--	--	--
MW-23	3/25/2008		746.19	6.40	--	739.790	--	--	--	--	--	--	--
MW-23	5/27/2008		746.19	6.37	--	739.820	--	--	--	--	--	--	--
MW-23	8/19/2008		746.19	6.61	--	739.580	--	--	--	--	--	--	--
MW-23	2/10/2009		746.19	5.50	--	740.690	--	--	--	--	--	--	--
MW-23	5/19/2009		746.19	6.59	--	739.600	--	--	--	--	--	--	--
MW-23	8/4/2009		746.19	6.88	--	739.310	--	--	--	--	--	--	--
MW-23	11/10/2009		746.19	6.67	--	739.520	--	--	--	--	--	--	--
MW-23	11/18/2009		746.19	6.50	--	739.690	--	--	--	--	--	--	--
MW-23	2/16/2010		749.17	6.00	--	743.170	--	--	--	--	--	--	--
MW-23	6/30/2010		749.17	6.31	0.01	742.864	--	--	--	--	--	--	--
MW-23	8/11/2010		749.17	6.61	0.01	742.564	--	--	--	--	--	--	--
MW-23	11/11/2010		749.17	6.29	--	742.884	--	--	--	--	--	--	--
MW-23	2/15/2011		749.17	6.11	--	743.064	--	--	--	--	--	--	--
MW-23	9/12/2011		749.17	6.44	0.0	742.730	--	--	--	--	--	--	--
MW-23	10/3/2012		749.17	6.45	--	742.724	--	--	--	--	--	--	--
MW-23	4/7/2014		749.17	6.45	0.0	742.720	--	--	--	--	--	--	--
MW-23	11/19/2014	(NS)	749.17	6.34	0.0	742.830	--	--	--	--	--	--	--
MW-23	4/29/2015	(NS)	749.17	6.31	0.0	742.860	--	--	--	--	--	--	--
MW-23	8/3/2015	(NS)	749.17	6.91	0.0	742.260	--	--	--	--	--	--	--
MW-23	11/2/2015	(NS)	749.17	6.68	0.0	742.490	--	--	--	--	--	--	--
MW-23	2/8/2016	(NS)	749.17	5.98	0.0	743.190	--	--	--	--	--	--	--
MW-23	9/6/2016	(NS)	749.17	6.81	0.0	742.360	--	--	--	--	--	--	--
MW-23	2/14/2017	(NS)	749.17	6.10	0.0	743.070	--	--	--	--	--	--	--
MW-23	6/26/2017	(NS)	749.17	6.41	0.0	742.760	--	--	--	--	--	--	--
MW-23	9/11/2017	(NS)	749.17	6.69	0.0	742.480	--	--	--	--	--	--	--
MW-23	2/26/2018	(NS)	749.17	6.41	0.0	742.760	--	--	--	--	--	--	--
MW-23	9/25/2018	(Unable to locate)	749.17	--	--	--	--	--	--	--	--	--	--
MW-23	3/28/2019	(NS)	749.17	5.43	0.0	743.740	--	--	--	--	--	--	--
MW-23	9/17/2019	(NS)	749.17	6.35	0.0	742.820	--	--	--	--	--	--	--
MW-23	2/20/2020	(NS)	749.17	6.33	0.0	742.840	--	--	--				
MW-23	9/28/2020	(NS)	749.17	6.25	0.0	742.920	--	--	--				
MW-23	3/8/2021	(NS)	749.17	6.02	0	743.150	--	--	--	--	--	--	--
MW-23	9/28/2021	(NS)	749.17	6.42	0	742.750	--	--	--	--	--	--	--
MW-23	3/16/2022		749.17	6.34	0	742.830							
MW-23	9/21/2022		749.17	6.60	0	742.570							
MW-23	3/6/2023		749.17	6.31	0	742.86	-	-	-	-	-	-	-
MW-23	10/23/2023		749.17	6.8	0	742.37							
MW-24	12/2/1993		746.17	7.31	--	738.860	--	--	--	--	--	--	--
MW-24	4/26/1994		746.17	6.95	--	739.220	--	--	--	--	--	--	--
MW-24	4/24/2006	(Well Inaccessible)	746.17	--	--	--	--	--	--	--	--	--	--
MW-24	8/28/2006	(Well maintenance	746.17	7.59	--	738.580	--	--	--	--	--	--	--
MW-24	10/16/2006		746.17	7.56	--	738.610	--	--	--	--	--	--	--
MW-24	12/4/2006		746.17	7.45	--	738.720	--	--	--	--	--	--	--
MW-24	3/26/2007		746.17	7.27	--	738.900	--	--	--	--	--	--	--
MW-24	5/15/2007		746.17	7.16	--	739.010	--	--	--	--	--	--	--
MW-24	9/18/2007		746.17	7.77	--	738.400	--	--	--	--	--	--	--
MW-24	12/11/2007		746.17	6.91	--	739.260	--	--	--	--	--	--	--
MW-24	3/25/2008		746.17	7.17	--	739.000	--	--	--	--	--	--	--
MW-24	5/27/2008		746.17	7.20	--	738.970	--	--	--	--	--	--	--
MW-24	8/20/2008		746.17	7.40	--	738.770	--	--	--	--	--	--	--
MW-24	2/10/2009		746.17	7.32	--	738.850	--	--	--	--	--	--	--
MW-24	5/19/2009		746.17	7.30	--	738.870	--	--	--	--	--	--	--
MW-24	8/4/2009		746.17	7.61	--	738.560	--	--	--	--	--	--	--
MW-24	11/10/2009		746.17	7.46	--	738.710	--	--	--	--	--	--	--
MW-24	11/18/2009		746.17	6.21	--	739.960	--	--	--	--	--	--	--
MW-24	2/16/2010		748.16	--	--	--	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-24	6/30/2010	(Car Parked On	748.16	--	--	--	--	--	--	--	--	--	--
MW-24	8/11/2010	(NM)	748.16	--	--	--	--	--	--	--	--	--	--
MW-24	11/11/2010		748.16	--	--	--	--	--	--	--	--	--	--
MW-24	10/3/2012	(NM)	748.16	--	--	--	--	--	--	--	--	--	--
MW-24	3/28/2019	(NG/NS)	748.16	--	--	--	--	--	--	--	--	--	--
MW-24	9/17/2019	(NS)	748.16	6.23	0.0	741.930	--	--	--	--	--	--	--
MW-24	2/20/2020	Unable to locate	748.16	--	0.0		--	--					
MW-24	2/20/2020	Unable to locate	748.16	--	0.0		--	--					
MW-24	3/8/2021	Unable to locate	748.16		0	748.160	--	--	--	--	--	--	--
MW-24	9/28/2021	Unable to locate	748.16		0	748.160	--	--	--	--	--	--	--
MW-24	3/16/2022		748.16	6.23	0	741.930							
MW-24	9/21/2022	Unable to locate											
MW-24	3/6/2023	Unable to locate	748.16		0		-	-	-	-	-	-	-
MW-24	10/23/2023	Unable to locate	748.16		0								
MW-25	11/30/1993		--	--	--	--	<50	0.34	--	<0.50	<1.0	<1.0	<1.0
MW-25	12/2/1993		745.07	6.27	--	738.800	--	--	--	--	--	--	--
MW-25	4/26/1994		745.07	5.94	--	739.130	--	--	--	--	--	--	--
MW-25	3/17/1999		--	--	--	--	<50	<0.25	--	<0.50	<1.0	<1.0	<1.0
MW-25	6/7/2001		745.07	5.94	--	739.130	<100	<0.25	<0.50	<1.0	<1.0	<1.0	<1.0
MW-25	11/15/2001		745.07	6.13	--	738.940	--	--	--	--	--	--	--
MW-25	11/16/2001		--	--	--	--	<50	<0.25	<0.50	<0.50	<0.50	<0.50	<1.0
MW-25	4/3/2002		745.07	6.15	--	738.920	<50	<0.25	<0.50	<0.50	<0.50	<0.50	<1.0
MW-25	9/9/2002		745.07	6.33	--	738.740	--	--	--	--	--	--	--
MW-25	9/10/2002		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-25	11/18/2002		745.07	6.08	--	738.990	--	--	--	--	--	--	--
MW-25	1/27/2003		745.07	5.44	--	739.630	--	--	--	--	--	--	--
MW-25	1/28/2003		--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0
MW-25	4/15/2003		745.07	5.64	--	739.430	--	--	--	--	--	--	--
MW-25	7/29/2003		745.07	6.12	--	738.950	--	--	--	--	--	--	--
MW-25	7/30/2003		--	--	--	--	<100	<0.25	<0.41	<1.0	<1.0	<1.0	<1.0
MW-25	10/6/2003		745.07	6.14	--	738.930	--	--	--	--	--	--	--
MW-25	2/16/2004		745.07	5.53	--	739.540	--	--	--	--	--	--	--
MW-25	2/17/2004		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-25	5/24/2004		745.07	5.71	--	739.360	--	--	--	--	--	--	--
MW-25	8/9/2004		745.07	5.87	--	739.200	--	--	--	--	--	--	--
MW-25	8/10/2004		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-25	11/1/2004		745.07	5.86	--	739.210	--	--	--	--	--	--	--
MW-25	2/28/2005		745.07	6.29	--	738.780	--	--	--	--	--	--	--
MW-25	3/1/2005		--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0
MW-25	5/24/2005		745.07	6.55	--	738.520	--	--	--	--	--	--	--
MW-25	8/15/2005		745.07	6.94	--	738.130	--	--	--	--	--	--	--
MW-25	8/16/2005		--	--	--	--	<100	<0.26	<0.42	<1.0	<1.0	<1.0	<1.0
MW-25	10/24/2005		745.07	6.67	--	738.400	--	--	--	--	--	--	--
MW-25	4/26/2006		745.07	6.39	--	738.680	<50	<0.243	<0.485	<0.500	<0.500	<0.500	<1.00
MW-25	8/29/2006		745.07	6.86	--	738.210	--	--	--	--	--	--	--
MW-25	10/17/2006		745.07	7.02	--	738.050	--	--	--	--	--	--	--
MW-25	10/18/2006		--	--	--	--	<50.0	<0.245	<0.490	<0.500	<0.500	<0.500	<3.00
MW-25	12/5/2006		745.07	6.61	--	738.460	--	--	--	--	--	--	--
MW-25	3/27/2007		745.07	6.69	--	738.380	<50.0	<0.250	<0.500	<0.500	<0.500	<0.500	<1.00
MW-25	5/16/2007		745.07	6.57	--	738.500	--	--	--	--	--	--	--
MW-25	9/19/2007		745.07	6.92	--	738.150	<50.0	<0.245	<0.490	<0.500	<0.500	<0.500	<3.00
MW-25	12/12/2007		745.07	6.38	--	738.690	--	--	--	--	--	--	--
MW-25	3/25/2008		745.07	6.58	--	738.490	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<3.00
MW-25	5/28/2008		745.07	6.47	--	738.600	--	--	--	--	--	--	--
MW-25	8/19/2008		745.07	6.72	--	738.350	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<1.00
MW-25	2/10/2009		745.07	6.67	--	738.400	<50.0	<0.245	<0.490	<0.500	<0.500	<0.500	<1.00
MW-25	5/19/2009		745.07	6.66	--	738.410	--	--	--	--	--	--	--
MW-25	8/4/2009		745.07	6.92	--	738.150	<50.0	<0.120	<0.240	<0.100	<0.100	<0.100	<0.200
MW-25	11/10/2009		745.07	6.75	--	738.320	--	--	--	--	--	--	--
MW-25	11/18/2009		745.07	6.66	--	738.410	--	--	--	--	--	--	--
MW-25	2/16/2010		748.05	6.10	--	741.950	<50	<120	<240	<1.0	<1.0	<1.0	<2.0
MW-25	6/30/2010		748.05	6.41	--	741.637	--	--	--	--	--	--	--
MW-25	8/11/2010	(P)	748.05	6.65	--	741.397	<100	<242	--	<0.200	<1.00	<1.00	<3
MW-25	11/11/2010		748.05	6.40	--	741.647	--	--	--	--	--	--	--
MW-25	2/15/2011	(P)	748.05	6.17	--	741.877	<100	<239	--	<0.200	<1.00	<1.00	<3
MW-25	9/12/2011		748.05	6.42	0.0	741.630	--	--	--	--	--	--	--
MW-25	10/3/2012	(P)	748.05	6.23	--	741.817	--	--	--	--	--	--	--
MW-25	10/4/2012		--	--	--	--	<90.0	<239	--	<0.200	<0.500	<0.500	<1.50
MW-25	4/8/2014	(LF)	748.05	6.40	0.0	741.650	<100	--	--	<0.200	<0.500	<0.500	<1.50
MW-25	11/19/2014	(NS)	748.05	6.34	0.0	741.710	--	--	--	--	--	--	--
MW-25	11/20/2014	(LF)	748.05	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-25	4/29/2015	(NS)	748.05	6.40	0.0	741.650	--	--	--	--	--	--	--
MW-25	4/30/2015	(LFP)	748.05	--	--	--	<50	<28	<66	<0.50	<0.50	<0.50	<0.50
MW-25	8/3/2015	(LFP)	748.05	6.94	0.0	741.110	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MW-25	11/2/2015	(LFP)	748.05	6.89	0.0	741.160	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MW-25	2/8/2016	(LFP)	748.05	6.08	0.0	741.970	130(J)	<28	<65	<0.50	<0.50	0.86(J)	3.8
MW-25	9/6/2016	(LFP)	748.05	6.95	0.0	741.100	<50	<30	<71	<0.50	<0.50	<0.50	<0.50
MW-25	2/14/2017	(LFP)	748.05	5.97	0.0	742.080	<31.6	**507**	**1,160**	<0.331	<0.412	<0.384	<1.06
MW-25	6/26/2017	(NS)	748.05	6.48	0.0	741.570	--	--	--	--	--	--	--
MW-25	6/27/2017	(LFP)	748.05	--	--	--	<31.6	129(J)	298	<0.331	<0.412	<0.384	<1.06
MW-25	9/11/2017	(LFP)	748.05	6.79	0.0	741.260	--	--	--	--	--	--	--
MW-25	9/12/2017		--	--	--	--	<31.6	<66.0	251	<0.331	<0.412	<0.384	<1.06
MW-25	2/26/2018	(LFP)	748.05	6.51	0.0	741.540	<100	<200	105(J)	<1.00	<1.00	<1.00	<3.00
MW-25	9/26/2018	(LFP)	748.05	6.22	--	741.830	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-25	3/28/2019	(LFP)	748.04	5.38	0.0	742.660	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-25	9/18/2019	(LFP)	748.04	6.10	0.0	741.940	<100	<200	143(J)	<1.00	<1.00	<1.00	<3.00
MW-25	2/21/2020		748.04	6.02	0.0	742.020	<100	<200	280	<1.00	<1.00	<1.00	<3.00
MW-25	9/29/2020		748.04	6.10	0	741.940	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-25	3/9/2021		748.04	5.87	0	742.170	48.1 B,J	<200	124	<1.00	<1.00	<1.00	<3.00
MW-25	9/29/2021		748.04	6.28	0	741.760	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-25	3/15/2022		748.04	6.04	0	742.000	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-25	9/21/2022		748.04	6.41	0	741.630	51.7BJ	67.8J	265	<1.00	<1.00	<1.00	<3.00
MW-25	3/6/2023		748.04	5.93	0	742.11	<100	<200	150 J	<1.00	<1.00	<1.00	<3.00
MW-25	10/23/2023		748.04	6.39	0	741.65	40.6BJ	<200	113J	<1.00	<1.00	<1.00	<3.00
MW-26	12/2/1993		744.36	6.64	--	737.720	--	--	--	--	--	--	--
MW-26	4/26/1994		744.36	6.40	--	737.960	--	--	--	--	--	--	--
MW-26	6/7/2001	(Well not located	744.36	--	--	--	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-26	9/9/2002	(Well located	744.36	--	--	--	--	--	--	--	--	--	--
MW-26	11/18/2002	(Well not located;	744.36	--	--	--	--	--	--	--	--	--	--
MW-26	1/27/2003	(Well located)	744.36	6.14	--	738.220	--	--	--	--	--	--	--
MW-26	4/15/2003		744.36	6.21	--	738.150	--	--	--	--	--	--	--
MW-26	7/29/2003		744.36	6.65	--	737.710	--	--	--	--	--	--	--
MW-26	10/6/2003		744.36	6.67	--	737.690	--	--	--	--	--	--	--
MW-26	2/16/2004		744.36	6.21	--	738.150	--	--	--	--	--	--	--
MW-26	5/24/2004		744.36	6.29	--	738.070	--	--	--	--	--	--	--
MW-26	8/9/2004		744.36	6.45	--	737.910	--	--	--	--	--	--	--
MW-26	11/1/2004		744.36	6.45	--	737.910	--	--	--	--	--	--	--
MW-26	2/28/2005		744.36	6.68	--	737.680	--	--	--	--	--	--	--
MW-26	5/24/2005		744.36	6.80	--	737.560	--	--	--	--	--	--	--
MW-26	8/15/2005		744.36	7.15	--	737.210	--	--	--	--	--	--	--
MW-26	10/24/2005		744.36	6.95	--	737.410	--	--	--	--	--	--	--
MW-26	4/24/2006	(Well Inaccessible)	744.36	--	--	--	--	--	--	--	--	--	--
MW-26	8/28/2006	(Well maintenance	744.36	7.06	--	738.010	--	--	--	--	--	--	--
MW-26	10/16/2006		744.36	7.22	--	737.140	--	--	--	--	--	--	--
MW-26	12/4/2006		744.36	7.14	--	737.220	--	--	--	--	--	--	--
MW-26	3/26/2007		744.36	6.87	--	737.490	--	--	--	--	--	--	--
MW-26	5/15/2007		744.36	6.79	--	737.570	--	--	--	--	--	--	--
MW-26	9/18/2007		744.36	7.19	--	737.170	--	--	--	--	--	--	--
MW-26	12/11/2007		744.36	6.59	--	737.770	--	--	--	--	--	--	--
MW-26	3/25/2008		744.36	6.82	--	737.540	--	--	--	--	--	--	--
MW-26	5/27/2008		744.36	6.81	--	737.550	--	--	--	--	--	--	--
MW-26	8/20/2008		744.36	7.00	--	737.360	--	--	--	--	--	--	--
MW-26	2/10/2009		744.36	6.94	--	737.420	--	--	--	--	--	--	--
MW-26	5/19/2009		744.36	6.93	--	737.430	--	--	--	--	--	--	--
MW-26	8/4/2009		744.36	7.20	--	737.160	--	--	--	--	--	--	--
MW-26	11/10/2009		744.36	7.08	--	737.280	--	--	--	--	--	--	--
MW-26	11/18/2009		744.36	7.92	--	736.440	--	--	--	--	--	--	--
MW-26	2/16/2010		747.35	6.47	--	740.880	--	--	--	--	--	--	--
MW-26	6/30/2010		747.35	6.78	--	740.570	--	--	--	--	--	--	--
MW-26	8/11/2010		747.35	7.00	--	740.350	--	--	--	--	--	--	--
MW-26	11/11/2010		747.35	6.75	--	740.600	--	--	--	--	--	--	--
MW-26	9/12/2011		747.35	6.90	0.0	740.450	--	--	--	--	--	--	--
MW-26	10/3/2012		747.35	6.85	--	740.500	--	--	--	--	--	--	--
MW-26	4/7/2014		747.35	6.80	0.0	740.550	--	--	--	--	--	--	--
MW-26	11/19/2014	(NS)	747.35	6.74	0.0	740.610	--	--	--	--	--	--	--
MW-26	4/29/2015	(NS)	747.35	6.71	0.0	740.640	--	--	--	--	--	--	--
MW-26	8/3/2015	(NS)	747.35	7.25	0.0	740.100	--	--	--	--	--	--	--
MW-26	11/2/2015	(NS)	747.35	7.11	0.0	740.240	--	--	--	--	--	--	--
MW-26	2/8/2016	(NS)	747.35	6.46	0.0	740.890	--	--	--	--	--	--	--
MW-26	9/6/2016	(NS)	747.35	7.01	0.0	740.340	--	--	--	--	--	--	--
MW-26	2/14/2017	(NS)	747.35	6.10	0.0	741.250	--	--	--	--	--	--	--
MW-26	6/26/2017	(Unable to access)	747.35	--	--	--	--	--	--	--	--	--	--
MW-26	9/11/2017	(Unable to access)	747.35	--	--	--	--	--	--	--	--	--	--
MW-26	2/26/2018	(NS)	747.35	6.75	0.0	740.600	--	--	--	--	--	--	--
MW-26	9/25/2018	(NS)	747.35	6.92	--	740.430	--	--	--	--	--	--	--
MW-26	3/28/2019	(NS)	747.34	6.22	0.0	741.120	--	--	--	--	--	--	--
MW-26	9/17/2019	(NS)	747.34	6.71	0.0	740.630	--	--	--	--	--	--	--
MW-26	2/20/2020	(NS)	747.34	6.65	0.0	740.690	--	--	--	--	--	--	
MW-26	9/28/2020	(NS)	747.34	6.72	0.0	740.620	--	--	--	--	--	--	
MW-26	3/8/2021	--	747.35	6.46	0	740.890		--	--	--	--	--	--
MW-26	9/28/2021	--	747.35	6.80	0	740.550		--	--	--	--	--	--
MW-26	3/16/2022		747.35	6.31	0	741.040							
MW-26	9/21/2022		747.35	6.97	0	740.380							
MW-26	3/6/2023		747.35	6.3	0	741.05							
MW-26	10/23/2023		747.35	6.73	0	740.62							
MW-27	12/2/1993		744.36	9.24	--	735.120	<50	0.32	--	<0.50	<1.0	<1.0	<1.0
MW-27	4/26/1994		744.36	9.17	--	735.190	--	--	--	--	--	--	--
MW-27	6/6/1994		744.36	9.14	--	735.220	--	--	--	--	--	--	--
MW-27	3/17/1999		--	--	--	--	<50	<0.25	--	<0.50	<1.0	<1.0	<1.0
MW-27	6/7/2001		744.36	9.17	--	735.190	<100	<0.25	<0.50	<1.0	<1.0	<1.0	<1.0
MW-27	11/15/2001		744.36	9.21	--	735.150	--	--	--	--	--	--	--
MW-27	11/16/2001		--	--	--	--	<50	<0.25	<0.50	<0.50	<0.50	<0.50	<1.0
MW-27	4/3/2002		744.36	9.19	--	735.170	--	--	--	--	--	--	--
MW-27	4/4/2002		--	--	--	--	<50	<0.25	<0.50	<0.50	<0.50	<0.50	<1.0
MW-27	9/9/2002		744.36	9.28	--	735.080	--	--	--	--	--	--	--
MW-27	9/10/2002		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-27	11/18/2002		744.36	9.20	--	735.160	--	--	--	--	--	--	--
MW-27	1/27/2003		744.36	8.93	--	735.430	--	--	--	--	--	--	--
MW-27	1/28/2003		--	--	--	--	<100	<0.25	<0.41	<1.0	<1.0	<1.0	<1.0
MW-27	4/15/2003		744.36	9.04	--	735.320	--	--	--	--	--	--	--
MW-27	7/29/2003		744.36	9.25	--	735.110	--	--	--	--	--	--	--
MW-27	7/30/2003		--	--	--	--	<100	<0.26	<0.42	<1.0	<1.0	<1.0	<1.0
MW-27	10/6/2003		744.36	9.30	--	735.060	--	--	--	--	--	--	--
MW-27	2/16/2004		744.36	9.01	--	735.350	--	--	--	--	--	--	--
MW-27	2/17/2004		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-27	5/24/2004		744.36	9.10	--	735.260	--	--	--	--	--	--	--
MW-27	8/9/2004		744.36	9.16	--	735.200	--	--	--	--	--	--	--
MW-27	8/10/2004		--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0
MW-27	11/1/2004		744.36	9.17	--	735.190	--	--	--	--	--	--	--
MW-27	2/28/2005		744.36	9.17	--	735.190	--	--	--	--	--	--	--
MW-27	3/1/2005		--	--	--	--	<100	<0.26	<0.41	<1.0	<1.0	<1.0	<1.0
MW-27	5/24/2005		744.36	9.22	--	735.140	--	--	--	--	--	--	--
MW-27	8/15/2005		744.36	9.43	--	734.930	--	--	--	--	--	--	--
MW-27	8/16/2005		--	--	--	--	<100	<0.25	<0.40	<1.0	<1.0	<1.0	<1.0
MW-27	10/24/2005		744.36	9.27	--	735.090	--	--	--	--	--	--	--
MW-27	4/24/2006	(Well maintenance	744.36	8.13	--	736.230	<50	<0.238	<0.476	<0.500	<0.500	<0.500	<1.00
MW-27	8/28/2006		744.36	9.45	--	734.910	--	--	--	--	--	--	--
MW-27	10/16/2006		744.36	9.55	--	734.810	--	--	--	--	--	--	--
MW-27	10/18/2006		--	--	--	--	<50.0	<0.240	<0.481	0.93	<0.500	3.69	7.78
MW-27	12/4/2006		744.36	9.54	--	734.820	--	--	--	--	--	--	--
MW-27	3/26/2007		744.36	9.29	--	735.070	<50.0	<0.250	<0.500	<0.500	<0.500	<0.500	<1.00
MW-27	5/16/2007		744.36	9.24	--	735.120	--	--	--	--	--	--	--
MW-27	9/18/2007		744.36	9.49	--	734.870	<50.0	<0.240	<0.481	<0.500	<0.500	<0.500	<3.00
MW-27	12/11/2007		744.36	9.17	--	735.190	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-27	3/25/2008		744.36	9.20	--	735.160	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<3.00
MW-27	5/27/2008		744.36	9.20	--	735.160	--	--	--	--	--	--	--
MW-27	8/19/2008		744.36	9.33	--	735.030	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<1.00
MW-27	11/18/2008		744.36	9.32	--	735.040	--	--	--	--	--	--	--
MW-27	2/10/2009		744.36	9.32	--	735.040	<50.0	<0.236	<0.472	<0.500	<0.500	<0.500	<1.00
MW-27	5/19/2009		744.36	9.33	--	735.030	--	--	--	--	--	--	--
MW-27	8/4/2009		744.36	9.47	--	734.890	<50.0	<0.120	<0.240	<0.100	<0.100	<0.100	<0.200
MW-27	11/10/2009		744.36	9.44	--	734.920	--	--	--	--	--	--	--
MW-27	2/16/2010		747.33	9.08	--	738.250	<50	<120	<240	<1.0	<1.0	<1.0	<2.0
MW-27	6/30/2010		747.33	9.39	--	737.937	--	--	--	--	--	--	--
MW-27	8/11/2010	(P)	747.33	9.36	--	737.967	<100	<263	--	<0.200	<1.00	<1.00	<3
MW-27	11/11/2010		747.33	9.26	--	738.067	--	--	--	--	--	--	--
MW-27	2/15/2011	(P)	747.33	9.11	--	738.217	<100	<246	--	<0.200	<1.00	<1.00	<3
MW-27	9/12/2011	(P)	747.33	9.25	0.0	738.080	<100	<237	--	<0.500	<2.00	<1.00	<1.50
MW-27	10/3/2012	(P)	747.33	9.35	--	737.977	<90.0	<236	--	<0.200	<0.500	<0.500	<1.50
MW-27	4/8/2014	(LF)	747.33	9.29	0.0	738.040	<100	--	--	0.290	<0.500	<0.500	<1.50
MW-27	11/19/2014	(NS)	747.33	9.31	0.0	738.020	--	--	--	--	--	--	--
MW-27	11/20/2014	(LF)	747.33	--	--	--	<50	<28	<65	<0.50	<0.50	<0.50	0.94(J)
MW-27	4/29/2015	(NS)	747.33	9.31	0.0	738.020	--	--	--	--	--	--	--
MW-27	4/30/2015	(LFP)	747.33	--	--	--	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MW-27	8/3/2015	(NS)	747.33	9.55	0.0	737.780	--	--	--	--	--	--	--
MW-27	8/4/2015	(LFP)	747.33	--	--	--	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MW-27	11/2/2015	(NS)	747.33	9.54	0.0	737.790	--	--	--	--	--	--	--
MW-27	11/3/2015	(LFP)	747.33	--	--	--	<50	<28	<65	<0.50	<0.50	<0.50	<0.50
MW-27	2/8/2016	(NS)	747.33	9.13	0.0	738.200	--	--	--	--	--	--	--
MW-27	2/9/2016	(LFP)	747.33	--	--	--	<50	<28	<65	<0.50	<0.50	<0.50	<0.50
MW-27	9/6/2016	(NS)	747.33	9.32	0.0	738.010	--	--	--	--	--	--	--
MW-27	9/7/2016	(LFP)	747.33	--	--	--	<50	<30	<70	<0.50	<0.50	<0.50	<0.50
MW-27	2/14/2017	(LFP, SE)	747.33	9.31	0.0	738.020	<31.6	158(JB)	<165	<0.331	<0.412	<0.384	<1.06
MW-27	6/26/2017	(NS)	747.33	9.30	0.0	738.030	--	--	--	--	--	--	--
MW-27	6/27/2017	(LFP)	747.33	--	--	--	<31.6	99.5(J)	<82.5	<0.331	<0.412	<0.384	<1.06
MW-27	9/12/2017	(LFP)	747.33	9.51	0.0	737.820	<31.6	<66.0	<82.5	<0.331	<0.412	<0.384	<1.06
MW-27	2/26/2018	(NS)	747.33	9.31	0.0	738.020	--	--	--	--	--	--	--
MW-27	2/27/2018	(LFP)	747.33	9.31	0.0	738.020	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-27	9/26/2018	(LFP)	747.33	9.45	--	737.880	32.4(B J)	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-27	3/29/2019	(LFP)	747.33	9.16	0.0	738.170	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-27	9/18/2019	(LFP)	747.33	9.43	0.0	737.900	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-27	2/21/2020		747.33	9.54	0.0	737.790	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-27	9/29/2020		747.33	9.40	0	737.930	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-27	3/10/2021		747.33	9.34	0	737.990	44.2 B,J	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-27	9/29/2021		747.33	9.54	0	737.790	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-27	3/16/2022		747.33	9.18	0	738.150	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-27	9/22/2022		747.33	9.59	0	737.740	42.2BJ	67.2J	<250	<1.00	<1.00	<1.00	<3.00
MW-27	3/7/2023		747.33	9.22	0	738.11	<100	82.9 J	<250	<1.00	<1.00	<1.00	<3.00
MW-27	10/23/2023	Unable to open lid	747.33		0								
MW-28	12/3/1993		744.42	10.80	--	733.620	--	--	--	--	--	--	--
MW-28	4/26/1994		744.42	6.27	--	738.150	--	--	--	--	--	--	--
MW-28	6/6/1994		744.42	6.19	--	738.230	--	--	--	--	--	--	--
MW-28	6/7/2001		744.42	6.22	--	738.200	--	--	--	--	--	--	--
MW-28	11/15/2001		744.42	6.25	--	738.170	--	--	--	--	--	--	--
MW-28	4/3/2002		744.42	6.24	--	738.180	--	--	--	--	--	--	--
MW-28	9/9/2002		744.42	6.37	--	738.050	--	--	--	--	--	--	--
MW-28	11/18/2002		744.42	6.17	--	738.250	--	--	--	--	--	--	--
MW-28	1/27/2003		744.42	5.56	--	738.860	--	--	--	--	--	--	--
MW-28	4/15/2003		744.42	5.75	--	738.670	--	--	--	--	--	--	--
MW-28	7/29/2003		744.42	6.38	--	738.040	--	--	--	--	--	--	--
MW-28	10/6/2003		744.42	6.36	--	738.060	--	--	--	--	--	--	--
MW-28	2/16/2004		744.42	5.71	--	738.710	--	--	--	--	--	--	--
MW-28	5/24/2004		744.42	5.89	--	738.530	--	--	--	--	--	--	--
MW-28	8/9/2004		744.42	6.09	--	738.330	--	--	--	--	--	--	--
MW-28	11/1/2004		744.42	6.03	--	738.390	--	--	--	--	--	--	--
MW-28	2/28/2005		744.42	6.06	--	738.360	--	--	--	--	--	--	--
MW-28	5/24/2005		744.42	6.14	--	738.280	--	--	--	--	--	--	--
MW-28	8/15/2005		744.42	6.54	--	737.880	--	--	--	--	--	--	--
MW-28	10/24/2005		744.42	6.21	--	738.210	--	--	--	--	--	--	--
MW-28	4/24/2006		744.42	5.94	--	738.480	--	--	--	--	--	--	--
MW-28	8/28/2006		744.42	6.55	--	737.870	--	--	--	--	--	--	--
MW-28	10/16/2006		744.42	6.71	--	737.710	--	--	--	--	--	--	--
MW-28	12/4/2006		744.42	6.64	--	737.780	--	--	--	--	--	--	--
MW-28	3/26/2007		744.42	6.31	--	738.110	--	--	--	--	--	--	--
MW-28	5/15/2007		744.42	6.18	--	738.240	--	--	--	--	--	--	--
MW-28	9/18/2007		744.42	6.58	--	737.840	--	--	--	--	--	--	--
MW-28	12/11/2007		744.42	5.95	--	738.470	--	--	--	--	--	--	--
MW-28	3/25/2008		744.42	6.15	--	738.270	--	--	--	--	--	--	--
MW-28	5/27/2008		744.42	6.11	--	738.310	--	--	--	--	--	--	--
MW-28	8/19/2008		744.42	6.35	--	738.070	--	--	--	--	--	--	--
MW-28	11/18/2008		744.42	6.32	--	738.100	--	--	--	--	--	--	--
MW-28	2/10/2009		744.42	6.32	--	738.100	--	--	--	--	--	--	--
MW-28	5/19/2009		744.42	7.38	--	737.040	--	--	--	--	--	--	--
MW-28	8/4/2009		744.42	6.73	--	737.690	--	--	--	--	--	--	--
MW-28	11/10/2009		744.42	6.50	--	737.920	--	--	--	--	--	--	--
MW-28	2/16/2010		747.39	5.80	--	741.590	--	--	--	--	--	--	--
MW-28	6/30/2010		747.39	6.11	--	741.278	--	--	--	--	--	--	--
MW-28	8/11/2010		747.39	6.39	--	740.998	--	--	--	--	--	--	--
MW-28	11/11/2010		747.39	6.10	--	741.288	--	--	--	--	--	--	--
MW-28	2/15/2011		747.39	5.88	0.01	741.508	--	--	--	--	--	--	--
MW-28	9/12/2011		747.39	6.19	0.0	741.200	--	--	--	--	--	--	--
MW-28	10/3/2012	(NM)	747.39	--	--	--	--	--	--	--	--	--	--
MW-28	4/7/2014		747.39	6.13	0.0	741.260	--	--	--	--	--	--	--
MW-28	11/19/2014	(NS)	747.39	6.13	0.0	741.260	--	--	--	--	--	--	--
MW-28	4/29/2015	(NS)	747.39	6.34	0.0	741.050	--	--	--	--	--	--	--
MW-28	8/3/2015	(NS)	747.39	6.24	0.0	741.150	--	--	--	--	--	--	--
MW-28	6/26/2017	(Unable to access)	747.39	--	--	--	--	--	--	--	--	--	--
MW-28	9/11/2017	(Unable to access)	747.39	--	--	--	--	--	--	--	--	--	--
MW-28	2/26/2018	(Unable to access)	747.39	--	--	--	--	--	--	--	--	--	--
MW-28	9/25/2018	(Unable to access)	747.39	--	--	--	--	--	--	--	--	--	--
MW-28	3/28/2019	(NG/NS)	747.39	--	--	--	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-28	9/17/2019	(NS)	747.39	--	--	--	--	--	--	--	--	--	--
MW-28	2/20/2020	Unable to access	747.39	--	--	--	--	--	--	--	--		
MW-28	9/28/2020	Unable to access	747.39	--	--	--	--	--	--	--	--		
MW-28	3/8/2021	Unable to access	747.39	--	--	--	--	--	--	--	--	--	--
MW-28	9/28/2021	Unable to access	747.39	--	--	--	--	--	--	--	--	--	--
MW-28	3/16/2022	Unable to access	747.39										
MW-28	9/21/2022	Unable to access	747.39										
MW-28	3/6/2023	Unable to Access	747.39		0		-	-	-	-	-	-	-
MW-28	10/23/2023	Unable to open lid	747.39		0								
MH-29	9/10/2002	(Dry)	--	--	--	--	--	--	--	--	--	--	--
MH-29	11/19/2002	(Dry)	--	--	--	--	--	--	--	--	--	--	--
MH-29	1/28/2003	(Some flow from	--	10.97	--	--	--	--	--	--	--	--	--
MH-29	4/16/2003	(Slight flow	--	11.09	--	--	--	--	--	--	--	--	--
MH-29	7/29/2003	(Dry)	--	--	--	--	--	--	--	--	--	--	--
MH-29	10/7/2003	(Dry)	--	--	--	--	--	--	--	--	--	--	--
MH-29	2/17/2004	(Flow from	--	10.00	--	--	--	--	--	--	--	--	--
MH-29	5/25/2004	(Nolotsofwater)	--	11.09	(SHEEN)	--	--	--	--	--	--	--	--
MH-29	8/10/2004	(Dry)	--	--	--	--	--	--	--	--	--	--	--
MH-29	11/2/2004	(Dry, paint/primer	--	--	--	--	--	--	--	--	--	--	--
MH-29	3/1/2005	(Stagnant/still	--	11.04	--	--	--	--	--	--	--	--	--
MH-29	5/25/2005	(Stagnant/still	--	11.08	--	--	--	--	--	--	--	--	--
MH-29	8/18/2005	(Dry)	--	--	--	--	--	--	--	--	--	--	--
MH-29	10/25/2005	(Dry)	--	--	--	--	--	--	--	--	--	--	--
MH-29	4/24/2006	(wellappearedtobea	--	2.23	(SHEEN)	--	--	--	--	--	--	--	--
MH-29	8/28/2006	(Manhole could not	--	--	--	--	--	--	--	--	--	--	--
MH-29	3/16/2022	(Manhole could not											
MH-29	9/21/2022	(Manhole could not											
MW-29	12/3/1993		743.83	6.92	--	736.910	--	--	--	--	--	--	--
MW-29	4/26/1994		743.83	5.68	--	738.150	--	--	--	--	--	--	--
MW-29	6/6/1994		743.83	5.61	--	738.220	--	--	--	--	--	--	--
MW-29	6/8/2001		743.83	5.59	--	738.240	--	--	--	--	--	--	--
MW-29	11/15/2001		743.83	5.68	--	738.150	--	--	--	--	--	--	--
MW-29	4/3/2002		743.83	5.64	--	738.190	--	--	--	--	--	--	--
MW-29	9/9/2002		743.83	5.81	--	738.020	--	--	--	--	--	--	--
MW-29	11/18/2002		743.83	5.60	--	738.230	--	--	--	--	--	--	--
MW-29	1/27/2003		743.83	4.92	--	738.910	--	--	--	--	--	--	--
MW-29	4/15/2003		743.83	5.12	--	738.710	--	--	--	--	--	--	--
MW-29	7/29/2003		743.83	8.76	--	735.070	--	--	--	--	--	--	--
MW-29	10/6/2003		743.83	5.74	--	738.090	--	--	--	--	--	--	--
MW-29	2/16/2004		743.83	5.12	--	738.710	--	--	--	--	--	--	--
MW-29	5/24/2004		743.83	5.27	--	738.560	--	--	--	--	--	--	--
MW-29	8/9/2004		743.83	5.45	--	738.380	--	--	--	--	--	--	--
MW-29	11/1/2004		743.83	5.42	--	738.410	--	--	--	--	--	--	--
MW-29	2/28/2005		743.83	5.45	--	738.380	--	--	--	--	--	--	--
MW-29	5/24/2005		743.83	5.51	--	738.320	--	--	--	--	--	--	--
MW-29	8/15/2005		743.83	5.96	--	737.870	--	--	--	--	--	--	--
MW-29	10/24/2005		743.83	5.61	--	738.220	--	--	--	--	--	--	--
MW-29	4/26/2006	(Well maintenance	743.83	5.57	--	738.260	--	--	--	--	--	--	--
MW-29	8/29/2006		743.83	5.96	--	737.870	--	--	--	--	--	--	--
MW-29	10/17/2006		743.83	6.17	--	737.660	--	--	--	--	--	--	--
MW-29	12/5/2006		743.83	6.16	--	737.670	--	--	--	--	--	--	--
MW-29	3/27/2007		743.83	5.75	--	738.080	--	--	--	--	--	--	--
MW-29	5/15/2007		743.83	5.61	--	738.220	--	--	--	--	--	--	--
MW-29	9/19/2007		743.83	5.98	--	737.850	--	--	--	--	--	--	--
MW-29	12/12/2007		743.83	5.36	--	738.470	--	--	--	--	--	--	--
MW-29	3/26/2008		743.83	5.55	--	738.280	--	--	--	--	--	--	--
MW-29	5/28/2008		743.83	5.50	--	738.330	--	--	--	--	--	--	--
MW-29	8/20/2008		743.83	5.75	--	738.080	--	--	--	--	--	--	--
MW-29	2/11/2009		743.83	5.90	--	737.930	--	--	--	--	--	--	--
MW-29	5/20/2009		743.83	5.85	--	737.980	--	--	--	--	--	--	--
MW-29	8/5/2009		743.83	6.18	--	737.650	--	--	--	--	--	--	--
MW-29	11/11/2009		743.83	5.95	--	737.880	--	--	--	--	--	--	--
MW-29	11/19/2009		743.83	5.84	--	737.990	--	--	--	--	--	--	--
MW-29	2/17/2010		746.79	5.22	--	741.570	--	--	--	--	--	--	--
MW-29	7/1/2010		746.79	5.53	--	741.264	--	--	--	--	--	--	--
MW-29	8/13/2010		746.79	5.88	--	740.914	--	--	--	--	--	--	--
MW-29	11/12/2010		746.79	5.25	--	741.544	--	--	--	--	--	--	--
MW-29	2/15/2011		746.79	5.27	--	741.524	--	--	--	--	--	--	--
MW-29	10/3/2012		746.79	5.70	--	741.094	--	--	--	--	--	--	--
MW-29	11/19/2014	(NS)	746.79	5.05	0.0	741.744	--	--	--	--	--	--	--
MW-29	4/29/2015	(NS)	746.79	5.41	0.0	741.384	--	--	--	--	--	--	--
MW-29	8/3/2015	(NS)	746.79	5.81	0.0	740.984	--	--	--	--	--	--	--
MW-29	11/2/2015	(NS)	746.79	5.98	0.0	740.814	--	--	--	--	--	--	--
MW-29	2/8/2016	(NS)	746.79	5.01	0.0	741.784	--	--	--	--	--	--	--
MW-29	9/6/2016	(NS)	746.79	5.98	0.0	740.814	--	--	--	--	--	--	--
MW-29	2/14/2017	(NS)	746.79	5.04	0.0	741.754	--	--	--	--	--	--	--
MW-29	6/26/2017	(NS)	746.79	5.41	0.0	741.384	--	--	--	--	--	--	--
MW-29	9/11/2017	(NS)	746.79	5.83	0.0	740.964	--	--	--	--	--	--	--
MW-29	2/26/2018	(NS)	746.79	5.72	0.0	741.074	--	--	--	--	--	--	--
MW-29	9/25/2018	(NS)	746.79	5.84	--	740.950	--	--	--	--	--	--	--
MW-29	3/28/2019	(NS)	746.79	4.87	0.0	741.920	--	--	--	--	--	--	--
MW-29	9/17/2019	(NS)	746.79	5.83	0.0	740.960	--	--	--	--	--	--	--
MW-29	2/20/2020	(NS)	746.79	5.42	0.0	741.370	--	--	--	--			
MW-29	9/28/2020	(NS)	746.79	5.77	0.0	741.020	--	--	--	--			
MW-29	3/8/2021	--	746.79	5.45	0	741.340		--	--	--	--	--	--
MW-29	9/28/2021	--	746.79	7.53	0	739.260		--	--	--	--	--	--
MW-29	3/16/2022		746.79	5.38	0	741.410							
MW-29	9/21/2022		746.79	5.91	0	740.880							
MW-29	3/6/2023	Destroyed	746.79		0		-	-	-	-	-	-	-
MW-29	10/23/2023	Destroyed	746.79		0								
MW-30	11/15/2001		746.48	7.00	--	739.480	--	--	--	--	--	--	--
MW-30	4/3/2002		746.48	8.07	1.39	739.453	--	--	--	--	--	--	--
MW-30	9/9/2002		746.48	8.23	1.46	739.345	--	--	--	--	--	--	--
MW-30	11/18/2002		746.48	7.35	0.63	739.602	--	--	--	--	--	--	--
MW-30	1/27/2003		746.48	6.65	0.65	740.318	--	--	--	--	--	--	--
MW-30	4/15/2003		746.48	6.60	0.28	740.090	--	--	--	--	--	--	--
MW-30	7/29/2003		746.48	7.37	0.40	739.410	--	--	--	--	--	--	--

APPENDIX A

Historic Groundwater Gauging Data and Analytical Results

Manhole 34

Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-30	10/6/2003		746.48	7.28	0.27	739.403	--	--	--	--	--	--	--
MW-30	2/16/2004		746.48	6.86	0.58	740.055	--	--	--	--	--	--	--
MW-30	5/24/2004		746.48	6.88	0.41	739.907	--	--	--	--	--	--	--
MW-30	8/9/2004		746.48	7.14	0.47	739.693	--	--	--	--	--	--	--
MW-30	11/1/2004		746.48	6.96	0.27	739.722	--	--	--	--	--	--	--
MW-30	2/28/2005		746.48	6.95	0.20	739.680	--	--	--	--	--	--	--
MW-30	5/24/2005		746.48	6.96	0.15	739.633	--	--	--	--	--	--	--
MW-30	8/15/2005		746.48	7.57	0.33	739.157	--	--	--	--	--	--	--
MW-30	10/24/2005		746.48	7.20	0.25	739.468	--	--	--	--	--	--	--
MW-30	4/26/2006	(Well maintenance	746.48	6.62	--	739.860	--	--	--	--	--	--	--
MW-30	8/29/2006		746.48	7.70	0.50	739.155	--	--	--	--	--	--	--
MW-30	10/18/2006	(Well monument	746.48	7.56	0.18	739.055	--	--	--	--	--	--	--
MW-30	12/6/2006		746.48	7.45	0.11	739.112	--	--	--	--	--	--	--
MW-30	3/27/2007		746.48	7.21	0.11	739.352	--	--	--	--	--	--	--
MW-30	5/16/2007		746.48	6.96	0.01	739.528	--	--	--	--	--	--	--
MW-30	9/19/2007		746.48	7.68	0.44	739.130	--	--	--	--	--	--	--
MW-30	12/12/2007		746.48	6.71	0.05	739.807	--	--	--	--	--	--	--
MW-30	3/27/2008		746.48	6.95	--	739.530	--	--	--	--	--	--	--
MW-30	5/28/2008		746.48	6.81	--	739.670	--	--	--	--	--	--	--
MW-30	8/21/2008		746.48	7.10	--	739.380	--	--	--	--	--	--	--
MW-30	11/20/2008		746.48	7.02	--	739.460	--	--	--	--	--	--	--
MW-30	2/10/2009		746.48	7.06	--	739.420	--	--	--	--	--	--	--
MW-30	5/20/2009		746.48	7.21	--	739.270	--	--	--	--	--	--	--
MW-30	8/4/2009		746.48	7.52	0.04	738.990	--	--	--	--	--	--	--
MW-30	8/5/2009		743.83	--	--	746.480	--	--	--	--	--	--	--
MW-30	11/10/2009		746.48	7.22	--	739.260	--	--	--	--	--	--	--
MW-30	2/16/2010		749.49	6.43	--	743.060	--	--	--	--	--	--	--
MW-30	7/1/2010		749.49	6.74	0.01	742.752	--	--	--	--	--	--	--
MW-30	8/13/2010		749.49	7.21	0.01	742.282	--	--	--	--	--	--	--
MW-30	11/11/2010		749.49	6.85	--	742.642	--	--	--	--	--	--	--
MW-30	2/15/2011		749.49	6.60	--	742.892	--	--	--	--	--	--	--
MW-30	10/3/2012		749.49	6.99	--	742.502	--	--	--	--	--	--	--
MW-30	4/7/2014		749.49	6.86	0.0	742.630	--	--	--	--	--	--	--
MW-30	11/19/2014	(NS)	749.49	6.75	0.0	742.740	--	--	--	--	--	--	--
MW-30	4/29/2015	(NS)	749.49	6.81	0.0	742.680	--	--	--	--	--	--	--
MW-30	8/3/2015	(LFP)	749.49	7.25	0.0	742.240	**14,000**	**77,000**	**25,000**	**4,400**	320	**1,200**	**2,600**
MW-30	11/2/2015	(NS)	749.49	7.19	0.0	742.300	--	--	--	--	--	--	--
MW-30	2/8/2016	(NS)	749.49	6.21	0.0	743.280	--	--	--	--	--	--	--
MW-30	9/6/2016	(NS)	749.49	7.30	0.0	742.190	--	--	--	--	--	--	--
MW-30	2/14/2017	(NS)	749.49	6.92	0.0	742.570	--	--	--	--	--	--	--
MW-30	6/26/2017	(NS)	749.49	6.73	0.0	742.760	--	--	--	--	--	--	--
MW-30	9/11/2017	(NS)	749.49	6.82	0.0	742.670	--	--	--	--	--	--	--
MW-30	2/26/2018	(NS)	749.49	6.82	0.0	742.670	--	--	--	--	--	--	--
MW-30	9/26/2018	(LFP)	749.49	7.10	--	742.390	**22,200**	**5,530**	**1,870**	**1,910**	157	**1,760**	**3,160**
MW-30	3/29/2019	(LFP)	749.48	6.17	0.0	743.320	**12,500**	**575**	<250	**418**	48.7	455	**1,390**
MW-30	9/17/2019	(LFP)	749.48	7.02	0.0	742.460	**16,500**	**9,360**	**2,850**	**1,080**	95.2	**1,250**	**1,780**
MW-30	2/21/2020		749.48	7.10	0.0	742.380	**12,600**	**5,190**	**1,240**	**475**	48.3	609	**1,150**
MW-30	9/28/2020		749.48	7.10	0	742.380	**15,700**	**14,000**	**8,780**	**1,020**	70.4	**1,430**	893
MW-30	3/9/2021		749.48	6.80	0	742.680	**12,600**	**5,230**	**1,820**	**597**	43.1	603	859
MW-30	9/28/2021		749.48	7.20	0	742.280	**14200 Q**	**1,580**	**<250**	**591**	39.8	**1,030**	535
MW-30	3/15/2022	Odor	749.48	6.83	0	742.650	**14,500**	**5,720**	**1,530**	**421**	41	**724**	858
MW-30	9/21/2022		749.48	7.39	0	742.090	**10,500**	**5,270**	**1,720**	**560**	42.1	**1,200**	639
MW-30	3/6/2023		749.48	6.3	0	743.18	**10,200**	**3270**	**877**	**382**	40.2	**791**	**1100**
MW-30	10/23/2023		749.48	7.28	0	742.2	**13,600**	**2820**	<10	**385**	38.5	**1250**	572
MH-31	6/8/2001	(Active water inflow	--	12.80	--	--	--	--	--	--	--	--	--
MH-31	11/16/2001		--	13.23	--	--	--	--	--	--	--	--	--
MH-31	4/3/2002	(Fastflowingnoodor	--	13.35	(SHEEN)	--	--	--	--	--	--	--	--
MH-31	9/10/2002	(Rushing water)	--	--	--	--	--	--	--	--	--	--	--
MH-31	11/19/2002	(Rushing water)	--	13.65	--	--	--	--	--	--	--	--	--
MH-31	1/28/2003	(Rapid flow from	--	15.51	--	--	--	--	--	--	--	--	--
MH-31	4/16/2003	(Rushing water,	--	13.65	--	--	--	--	--	--	--	--	--
MH-31	7/29/2003	(Rushing water,	--	13.43	--	--	--	--	--	--	--	--	--
MH-31	10/7/2003	(Rushing water,	--	13.60	--	--	--	--	--	--	--	--	--
MH-31	2/17/2004	(Rushing water,	--	13.69	--	--	--	--	--	--	--	--	--
MH-31	5/25/2004	(Flowing water)	--	13.58	--	--	--	--	--	--	--	--	--
MH-31	8/10/2004	(Rushing water,	--	13.54	--	--	--	--	--	--	--	--	--
MH-31	11/2/2004	(Rushing water,	--	13.53	--	--	--	--	--	--	--	--	--
MH-31	3/1/2005	(Flowing from north)	--	13.60	--	--	--	--	--	--	--	--	--
MH-31	5/25/2005	(Flow from the	--	13.67	--	--	--	--	--	--	--	--	--
MH-31	8/18/2005	(Flow from the	--	13.59	--	--	--	--	--	--	--	--	--
MH-31	10/25/2005	(Flow from the	--	13.61	--	--	--	--	--	--	--	--	--
MH-31	4/24/2006	(Flow from the	--	13.55	--	--	--	--	--	--	--	--	--
MH-31	8/28/2006	(Flow from the	--	13.65	--	--	--	--	--	--	--	--	--
MH-31	10/16/2006	(Flow from the	--	13.65	--	--	--	--	--	--	--	--	--
MH-31	12/4/2006	(Flow from the	--	13.61	--	--	--	--	--	--	--	--	--
MH-31	3/26/2007	(Flow from the	--	13.65	--	--	--	--	--	--	--	--	--
MH-31	5/15/2007	(Flow from the	--	13.65	--	--	--	--	--	--	--	--	--
MH-31	9/18/2007	(Flow from the	--	11.20	--	--	--	--	--	--	--	--	--
MH-31	12/11/2007	(Flow from the	--	13.54	--	--	--	--	--	--	--	--	--
MH-31	3/25/2008	(Flow from the	--	13.62	--	--	--	--	--	--	--	--	--
MH-31	5/27/2008	(Flow from the	--	13.45	--	--	--	--	--	--	--	--	--
MH-31	8/19/2008	(Flow from the	--	13.57	--	--	--	--	--	--	--	--	--
MH-31	2/10/2009	(Flow from the	--	13.65	--	--	--	--	--	--	--	--	--
MH-31	5/19/2009	(Flow from the	--	13.65	--	--	--	--	--	--	--	--	--
MH-31	8/4/2009	(Flow from the	--	13.52	--	--	--	--	--	--	--	--	--
MH-31	11/10/2009	(Flow from the	--	13.85	--	--	--	--	--	--	--	--	--
MH-31	11/18/2009	(Flow from the	--	13.65	--	--	--	--	--	--	--	--	--
MH-31	8/11/2010		--	--	--	--	--	--	--	--	--	--	<3
MH-31	8/11/2010		--	--	--	--	<100	**3,810**	--	0.410	<1.00	<1.00	--
MH-31	2/17/2011		--	--	--	--	--	--	--	--	--	--	<3
MH-31	2/17/2011		--	--	--	--	<100	<242	--	1.07	<1.00	<1.00	--
MH-31	9/12/2011		--	--	--	--	<100	<237	--	<0.500	<2.00	<1.00	<1.50
MH-31	10/3/2012		--	--	--	--	<90.0	<237	--	0.830	<0.500	<0.500	<1.50
MH-31	4/8/2014		--	--	--	--	<100	--	--	1.75	<0.500	0.600	<1.50
MH-31	11/19/2014	(NS)	--	5.79	0.0	--	--	--	--	--	--	--	--
MH-31	11/20/2014	(NP)	--	--	--	--	<50	39(J)	260	**6.1**	<0.50	1.0	1.4
MH-31	4/29/2015	(NP)	--	--	--	--	<50	29(J)	<66	<0.50	<0.50	0.59(J)	0.73(J)

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MH-31	8/4/2015	(NP)	--	--	--	--	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MH-31	11/3/2015	(NP)	--	--	--	--	<50	<28	160(J)	<0.50	<0.50	0.65(J)	0.63(J)
MH-31	2/9/2016	(NP)	--	--	--	--	75(J)	160	350	<0.50	<0.50	<0.50	0.57(J)
MH-31	9/6/2016	(NP)	--	--	--	--	<50	93(J)	120(J)	<0.50	<0.50	<0.50	<0.50
MH-31	2/15/2017	(NP)	--	--	--	--	<31.6	235(J)	250(J)	0.925(J)	<0.412	0.624(J)	<1.06
MH-31	6/27/2017	(NP)	--	--	--	--	<31.6	271	**680**	<0.331	<0.412	<0.384	<1.06
MH-31	9/12/2017	(NP)	--	--	--	--	<31.6	**516**	**553**	0.413(J)	0.489(J)	0.389(J)	<1.06
MH-31	2/27/2018	(NP)	--	--	--	--	<100	<200	<250	0.775(J)	<1.00	0.387(J)	<3.00
MH-31	9/25/2018	(NP)	--	--	--	--	79.2(B J)	<200	95.2(J)	0.557(J)	<1.00	<1.00	<3.00
MH-31	3/30/2019	(NP)	--	--	--	--	<100	<200	<250	1.13	<1.00	0.694(J)	1.50(J)
MH-31	9/17/2019	(NP)	--	--	--	--	<100	105(J)	129(J)	0.894(J)	<1.00	<1.00	<3.00
MH-31	2/20/2020		--	--	--	--	43.4(J,B)	<200	105(J)	1.09	<1.00	0.467(J)	<3.00
MH-31	9/29/2020		--	--	--	--	<100	88.3(J)	329	0.586(J)	0.507(J)	0.294(J)	0.214(J)
MH-31	3/8/2021		--	--	--	--	<100	<200	<250	0.356 J	<1.00	0.147 J	0.194 J
MH-31	9/29/2021		--	--	--	--	NA	<200	<250	0.745 J	<1.00	0.389 J	<3.00
MH-31	3/16/2022						<100	<200	<250	1.49	<1.00	0.544J	0.262J
MH-31	9/22/2022						57.8BJ	84.6J	<250	0.819J	<1.00	0.963J	3.25
MH-31	3/7/2023		--	--	0	--	<100	74.1J	<250	1.35	<1.00	0.903J	1.17J
MH-31	10/24/2023		--	--	0	--	38.4BJ	<200	<250	0.758J	<1.00	0.254J	<3.00
MW-31	11/15/2001		745.03	6.27	--	738.760	--	--	--	--	--	--	--
MW-31	4/3/2002		745.03	6.11	--	738.920	--	--	--	--	--	--	--
MW-31	9/9/2002		745.03	6.26	--	738.770	--	--	--	--	--	--	--
MW-31	11/18/2002		745.03	6.05	--	738.980	--	--	--	--	--	--	--
MW-31	1/27/2003		745.03	5.40	--	739.630	--	--	--	--	--	--	--
MW-31	4/15/2003		745.03	5.61	--	739.420	--	--	--	--	--	--	--
MW-31	7/29/2003		745.03	6.25	--	738.780	--	--	--	--	--	--	--
MW-31	10/6/2003		745.03	6.27	--	738.760	--	--	--	--	--	--	--
MW-31	2/16/2004		745.03	5.61	--	739.420	--	--	--	--	--	--	--
MW-31	5/24/2004		745.03	5.76	--	739.270	--	--	--	--	--	--	--
MW-31	8/9/2004		745.03	5.97	--	739.060	--	--	--	--	--	--	--
MW-31	11/1/2004		745.03	5.95	--	739.080	--	--	--	--	--	--	--
MW-31	2/28/2005		745.03	5.98	--	739.050	--	--	--	--	--	--	--
MW-31	5/24/2005		745.03	6.02	--	739.010	--	--	--	--	--	--	--
MW-31	8/15/2005		745.03	6.48	--	738.550	--	--	--	--	--	--	--
MW-31	10/24/2005		745.03	6.15	--	738.880	--	--	--	--	--	--	--
MW-31	4/24/2006	(Well maintenance	745.03	5.88	--	739.150	--	--	--	--	--	--	--
MW-31	8/28/2006		745.03	6.47	--	738.560	--	--	--	--	--	--	--
MW-31	10/16/2006		745.03	6.58	--	738.450	--	--	--	--	--	--	--
MW-31	12/4/2006		745.03	6.49	--	738.540	--	--	--	--	--	--	--
MW-31	3/27/2007		745.03	6.23	--	738.800	--	--	--	--	--	--	--
MW-31	5/15/2007		745.03	6.08	--	738.950	--	--	--	--	--	--	--
MW-31	9/18/2007		745.03	6.42	--	738.610	--	--	--	--	--	--	--
MW-31	12/11/2007		745.03	5.82	--	739.210	--	--	--	--	--	--	--
MW-31	3/25/2008		745.03	6.62	0.01	738.417	--	--	--	--	--	--	--
MW-31	5/27/2008		745.03	5.92	0.01	739.117	--	--	--	--	--	--	--
MW-31	8/19/2008		745.03	6.14	--	738.890	--	--	--	--	--	--	--
MW-31	11/18/2008		745.03	6.50	0.38	738.815	--	--	--	--	--	--	--
MW-31	2/10/2009		745.03	6.21	--	738.820	--	--	--	--	--	--	--
MW-31	5/19/2009		745.03	6.26	0.01	738.778	--	--	--	--	--	--	--
MW-31	8/4/2009		745.03	6.69	0.09	738.407	--	--	--	--	--	--	--
MW-31	11/10/2009		745.03	6.42	0.05	738.648	--	--	--	--	--	--	--
MW-31	2/16/2010		748.06	5.64	--	742.420	<50	<120	<240	<1.0	<1.0	<1.0	<2.0
MW-31	6/30/2010		748.06	5.95	--	742.112	--	--	--	--	--	--	--
MW-31	8/11/2010		748.06	6.29	--	741.772	--	--	--	--	--	--	--
MW-31	11/11/2010		748.06	6.01	--	742.052	--	--	--	--	--	--	--
MW-31	2/15/2011		748.06	5.76	--	742.302	--	--	--	--	--	--	--
MW-31	9/12/2011		748.06	6.06	0.0	742.000	--	--	--	--	--	--	--
MW-31	10/3/2012		748.06	6.16	--	741.902	--	--	--	--	--	--	--
MW-31	4/7/2014		748.06	6.07	0.0	741.990	--	--	--	--	--	--	--
MW-31	11/19/2014	(NS)	748.06	5.79	0.0	742.270	--	--	--	--	--	--	--
MW-31	4/29/2015	(NS)	748.06	6.04	0.0	742.020	--	--	--	--	--	--	--
MW-31	8/3/2015	(NS)	748.06	6.53	0.0	741.530	--	--	--	--	--	--	--
MW-31	11/2/2015	(NS)	748.06	6.42	0.0	741.640	--	--	--	--	--	--	--
MW-31	2/8/2016	(NS)	748.06	5.55	0.0	742.510	--	--	--	--	--	--	--
MW-31	9/6/2016	(NS)	748.06	6.50	0.0	741.560	--	--	--	--	--	--	--
MW-31	2/14/2017	(NS)	748.06	5.92	0.0	742.140	--	--	--	--	--	--	--
MW-31	6/26/2017	(NS)	748.06	5.92	0.0	742.140	--	--	--	--	--	--	--
MW-31	9/11/2017	(NS)	748.06	6.31	0.0	741.750	--	--	--	--	--	--	--
MW-31	2/26/2018	(NS)	748.06	5.99	0.0	742.070	--	--	--	--	--	--	--
MW-31	9/25/2018	(NS)	748.06	6.10	--	741.960	--	--	--	--	--	--	--
MW-31	3/29/2019	(LFP)	748.05	5.37	0.0	742.690	**6,140**	223	118(J)	**550**	42.4	509	696
MW-31	9/18/2019	(LFP)	748.05	6.2	0.0	741.850	**2,560**	**605**	345	**254**	3.93	159	164
MW-31	2/20/2020		748.05	7.3	0.0	740.750	**2150 (B)**	**1560**	**1630**	**198**	7.78	150	96.7
MW-31	9/29/2020		748.05	6.2	0	741.850	592	445	449	**15.2**	<1.00	6.33	6.77
MW-31	3/10/2021		748.05	5.97	0	742.080	**2,550**	**1090**	**528**	**390**	7.92	55.5	163
MW-31	9/29/2021		748.05	6.43	0	741.620	**1860**	184 J	<250	**246**	1.99	31.9	47
MW-31	3/16/2022		748.05	6.18	0	741.870	720	821	**526**	**61.9**	2.2	26.9	21.7
MW-31	9/22/2022		748.05	6.51	0	741.540	**2630**	**986**	**847**	**332**	4.78J	73.2	117
MW-31	3/7/2023		748.05	6.08	0	741.97	**2330**	**913**	**723**	**309**	6.5 J	198	88.7
MW-31	10/24/2023		748.05	6.49	0	741.56	**2280**	**891**	**569**	**144**	<10	46.7	26.5J
MH-32	6/8/2001	(Rapidly flowing	--	--	--	--	--	--	--	--	--	--	--
MH-32	11/16/2001	(NM)	--	--	--	--	--	--	--	--	--	--	--
MH-32	4/3/2002	(Fastflowingnoodor	--	10.26	(SHEEN)	--	--	--	--	--	--	--	--
MH-32	9/10/2002	(Rushing water)	--	9.65	--	--	--	--	--	--	--	--	--
MH-32	11/19/2002	(Flowing water)	--	9.93	--	--	--	--	--	--	--	--	--
MH-32	1/28/2003	(Rapid flow from	--	9.77	--	--	--	--	--	--	--	--	--
MH-32	4/16/2003	(Rushing water,	--	9.93	--	--	--	--	--	--	--	--	--
MH-32	7/29/2003	(Rushing water,	--	10.71	--	--	--	--	--	--	--	--	--
MH-32	10/7/2003	(Rushing water,	--	9.82	--	--	--	--	--	--	--	--	--
MH-32	2/17/2004	(Rushing water,	--	9.85	--	--	--	--	--	--	--	--	--
MH-32	5/25/2004	(Flowing water)	--	9.90	--	--	--	--	--	--	--	--	--
MH-32	8/10/2004	(Rushing water,	--	9.74	--	--	--	--	--	--	--	--	--
MH-32	11/2/2004	(Rushing water,	--	9.81	--	--	--	--	--	--	--	--	--
MH-32	3/1/2005	(Flowing from	--	9.80	--	--	--	--	--	--	--	--	--
MH-32	5/25/2005	(Flow from the east)	--	9.94	--	--	--	--	--	--	--	--	--
MH-32	8/18/2005	(Flow from the east)	--	9.81	--	--	--	--	--	--	--	--	--
MH-32	10/25/2005	(Flow from the east)	--	11.75	--	--	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MH-32	4/24/2006	(Flow from the east)	--	9.84	--	--	--	--	--	--	--	--	--
MH-32	8/28/2006	(Flow from the east)	--	9.82	--	--	--	--	--	--	--	--	--
MH-32	10/16/2006	(Flow from the east)	--	9.95	--	--	--	--	--	--	--	--	--
MH-32	12/4/2006	(Flow from the east)	--	9.85	--	--	--	--	--	--	--	--	--
MH-32	3/26/2007	(Flow from the east)	--	9.80	--	--	--	--	--	--	--	--	--
MH-32	5/15/2007	(Flow from the east)	--	9.90	--	--	--	--	--	--	--	--	--
MH-32	9/18/2007	(Flow from the east)	--	9.80	--	--	--	--	--	--	--	--	--
MH-32	12/11/2007	(Flow from the east)	--	9.80	--	--	--	--	--	--	--	--	--
MH-32	3/25/2008	(Flow from the east)	--	9.90	--	--	--	--	--	--	--	--	--
MH-32	5/27/2008	(Flow from the east)	--	9.00	--	--	--	--	--	--	--	--	--
MH-32	8/19/2008	(Flow from the east)	--	9.78	--	--	--	--	--	--	--	--	--
MH-32	2/10/2009	(Flow from the east)	--	9.80	--	--	--	--	--	--	--	--	--
MH-32	5/19/2009	(Flow from the east)	--	9.90	--	--	--	--	--	--	--	--	--
MH-32	8/4/2009	(Flow from the east)	--	9.82	--	--	--	--	--	--	--	--	--
MH-32	11/10/2009	(Flow from the east)	--	9.90	--	--	--	--	--	--	--	--	--
MH-32	11/18/2009	(Flow from the east)	--	9.94	--	--	--	--	--	--	--	--	--
MH-32	8/11/2010		--	--	--	--	--	--	--	--	--	--	<3
MH-32	8/11/2010		--	--	--	--	<100	<238	--	0.400	<1.00	<1.00	--
MH-32	2/15/2011		--	--	--	--	--	--	--	--	--	--	4.56
MH-32	2/15/2011		--	--	--	--	<100	<246	--	0.800	<1.00	<1.00	--
MH-32	9/12/2011		--	--	--	--	<100	<240	--	<0.500	<2.00	<1.00	<1.50
MH-32	10/3/2012		--	--	--	--	<90.0	<236	--	<0.200	<0.500	<0.500	<1.50
MH-32	4/8/2014		--	--	--	--	<100	--	--	0.780	<0.500	<0.500	<1.50
MH-32	11/20/2014	(NP)	--	--	--	--	<50	<28	<66	4.4	<0.50	0.86(J)	1.3
MH-32	4/29/2015	(NP)	--	--	--	--	<50	<28	<65	<0.50	<0.50	<0.50	<0.50
MH-32	8/4/2015	(NP)	--	--	--	--	<50	<29	120(J)	<0.50	<0.50	<0.50	<0.50
MH-32	11/3/2015	(NP)	--	--	--	--	<50	110	**720**	<0.50	<0.50	<0.50	<0.50
MH-32	2/9/2016	(NP)	--	--	--	--	73(J)	230	**1,200**	1.2	<0.50	1.5	0.85(J)
MH-32	9/6/2016	(NP)	--	--	--	--	<50	<28	120(J)	<0.50	<0.50	<0.50	<0.50
MH-32	2/15/2017	(NP)	--	--	--	--	<31.6	185(J)	313(J)	1.64	<0.412	1.35	1.78(J)
MH-32	6/27/2017	(NP)	--	--	--	--	<31.6	66.1(J)	147(J)	0.370(J)	<0.412	<0.384	<1.06
MH-32	9/12/2017	(NP)	--	--	--	--	<31.6	<66.0	<82.5	0.583(J)	<0.412	0.458(J)	<1.06
MH-32	2/27/2018	(NP)	--	--	--	--	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MH-32	9/25/2018	(NP)	--	--	--	--	37.8(B J)	<200	<250	<1.00	<1.00	<1.00	<3.00
MH-32	3/30/2019	(NP)	--	--	--	--	<100	69.4(J)	101(J)	0.889(J)	<1.00	0.580(J)	1.29(J)
MH-32	9/17/2019	(NP)	--	--	--	--	<100	<200	<250	0.337(J)	<1.00	<1.00	<3.00
MH-32	2/20/2020		--	--	--	--	33.4(J, B)	<200	<250	<1.00	<1.00	<1.00	<3.00
MH-32	9/29/2020		--	--	--	--	<100	161(J)	**1,350**	0.880(J)	<1.00	0.500(J)	0.274(J)
MH-32	3/9/2021		--	--	--	--	47.8 B,J	140 J	181 J	0.905 B,J	<1.00	0.284 J	0.283 J
MH-32	9/28/2021		--	--	--	--	NA	<200	<250	<1.00	<1.00	<1.00	<3.00
MH-32	3/16/2022						<100	<200	<250	1.47	<1.0	0.543 J	0.323J
MH-32	9/22/2022						<100	69J	420	0.648J	<1.00	0.697J	1.80J
MH-32	3/7/2023		--	--	0	--	<100	<200	<250	1.33	<1.00	1.15	0.787J
MH-32	10/24/2023		--	--	0	--	56.7 BJ	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-32	11/15/2001		744.01	5.76	--	738.250	--	--	--	--	--	--	--
MW-32	4/3/2002		744.01	5.57	--	738.440	--	--	--	--	--	--	--
MW-32	9/9/2002		744.01	5.72	0.01	738.297	--	--	--	--	--	--	--
MW-32	11/18/2002		744.01	5.54	--	738.470	--	--	--	--	--	--	--
MW-32	1/27/2003		744.01	4.91	--	739.100	--	--	--	--	--	--	--
MW-32	4/15/2003		744.01	5.09	--	738.920	--	--	--	--	--	--	--
MW-32	7/29/2003		744.01	5.73	--	738.280	--	--	--	--	--	--	--
MW-32	10/6/2003		744.01	5.75	--	738.260	--	--	--	--	--	--	--
MW-32	2/16/2004		744.01	5.14	--	738.870	--	--	--	--	--	--	--
MW-32	5/24/2004		744.01	5.25	0.01	738.768	--	--	--	--	--	--	--
MW-32	8/9/2004		744.01	5.45	--	738.560	--	--	--	--	--	--	--
MW-32	11/1/2004		744.01	5.43	--	738.580	--	--	--	--	--	--	--
MW-32	2/28/2005		744.01	5.47	--	738.540	--	--	--	--	--	--	--
MW-32	5/24/2005		744.01	5.52	--	738.490	--	--	--	--	--	--	--
MW-32	8/15/2005		744.01	5.95	--	738.060	--	--	--	--	--	--	--
MW-32	10/24/2005		744.01	5.66	--	738.350	--	--	--	--	--	--	--
MW-32	4/24/2006	(Well maintenance	744.01	5.33	--	738.680	--	--	--	--	--	--	--
MW-32	8/28/2006		744.01	5.91	--	738.100	--	--	--	--	--	--	--
MW-32	10/16/2006		744.01	6.06	--	737.950	--	--	--	--	--	--	--
MW-32	12/4/2006		744.01	6.01	--	738.000	--	--	--	--	--	--	--
MW-32	3/26/2007		744.01	5.68	--	738.330	--	--	--	--	--	--	--
MW-32	5/15/2007		744.01	5.55	--	738.460	--	--	--	--	--	--	--
MW-32	9/18/2007		744.01	8.91	--	735.100	--	--	--	--	--	--	--
MW-32	12/11/2007		744.01	5.33	--	738.680	--	--	--	--	--	--	--
MW-32	3/25/2008		744.01	5.50	--	738.510	--	--	--	--	--	--	--
MW-32	5/27/2008		744.01	5.48	--	738.530	--	--	--	--	--	--	--
MW-32	8/19/2008		744.01	8.68	--	735.330	--	--	--	--	--	--	--
MW-32	2/10/2009		744.01	5.72	--	738.290	--	--	--	--	--	--	--
MW-32	5/19/2009		744.01	5.75	--	738.260	--	--	--	--	--	--	--
MW-32	8/4/2009		744.01	6.08	--	737.930	--	--	--	--	--	--	--
MW-32	11/10/2009		744.01	5.90	--	738.110	--	--	--	--	--	--	--
MW-32	11/18/2009		744.01	5.69	--	738.320	--	--	--	--	--	--	--
MW-32	2/16/2010		747.02	5.21	--	741.810	<50	<120	<240	2.3	<1.0	<1.0	<2.0
MW-32	6/30/2010		747.02	5.52	--	741.497	--	--	--	--	--	--	--
MW-32	8/11/2010		747.02	5.75	--	741.267	--	--	--	--	--	--	--
MW-32	11/11/2010		747.02	5.56	--	741.457	--	--	--	--	--	--	--
MW-32	2/15/2011		747.02	5.31	--	741.707	--	--	--	--	--	--	--
MW-32	9/12/2011		747.02	5.60	0.0	741.420	--	--	--	--	--	--	--
MW-32	10/3/2012		747.02	7.00	0.01	740.017	--	--	--	--	--	--	--
MW-32	4/7/2014		747.02	5.60	0.0	741.420	--	--	--	--	--	--	--
MW-32	11/19/2014	(NS)	747.02	5.25	0.0	741.770	--	--	--	--	--	--	--
MW-32	4/29/2015	(NS)	747.02	5.57	0.0	741.450	--	--	--	--	--	--	--
MW-32	8/3/2015	(LFP)	747.02	6.05	0.0	740.970	<50	47(J)	<67	<0.50	<0.50	<0.50	<0.50
MW-32	11/2/2015	(NS)	747.02	5.98	0.0	741.040	--	--	--	--	--	--	--
MW-32	2/8/2016	(NS)	747.02	5.20	0.0	741.820	--	--	--	--	--	--	--
MW-32	9/6/2016	(NS)	747.02	5.95	0.0	741.070	--	--	--	--	--	--	--
MW-32	2/14/2017	(NS)	747.02	5.25	0.0	741.770	--	--	--	--	--	--	--
MW-32	6/26/2017	(NS)	747.02	5.57	0.0	741.450	--	--	--	--	--	--	--
MW-32	9/11/2017	(NS)	747.02	5.85	0.0	741.170	--	--	--	--	--	--	--
MW-32	2/26/2018	(NS)	747.02	5.61	0.0	741.410	--	--	--	--	--	--	--
MW-32	9/25/2018	(NS)	747.02	5.73	--	741.290	--	--	--	--	--	--	--
MW-32	3/29/2019	(LFP)	747.02	5.06	0.0	741.960	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-32	9/18/2019	(LFP)	747.02	5.83	0.0	741.190	<100	<200	<250	<1.00	<1.00	<1.00	<3.00

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-32	2/21/2020		747.02	5.83	0.0	741.190	**2210**	**1380**	183(J)	**7.39**	<1.00	9.86	32.4
MW-32	9/29/2020		747.02	5.8	0	741.220	<100	<200	92.2(J)	1.54	<1.00	0.650(J)	0.681(J)
MW-32	3/9/2021		747.02	5.55	0	741.470	**54.9 B.J**	<200	<250	0.247 B,J	<1.00	<1.00	0.278 J
MW-32	9/29/2021		747.02	5.95	0	741.070	48.1 B,J	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-32	3/16/2022		747.02	5.79	0	741.230	<100	<200	<250	<1.00	<1.00	<1.00	0.201J
MW-32	9/22/2022		747.02	6.05	0	740.970	<100	71.4J	200J	<1.00	<1.00	<1.00	<3.00
MW-32	3/7/2023		747.02	5.78	0	741.24	<100	83.9 J	123 J	<1.00	<1.00	<1.00	<3.00
MW-32	10/24/2023		747.02	6.14	0	740.88	69.1BJ	<200	<250	<1.00	<1.00	<1.00	<3.00
MH-33	6/8/2001	(Oily3.0ppmbyPID)	--	12.60	(SHEEN)	--	--	--	--	--	--	--	--
MH-33	11/16/2001	(NM)	--	--	--	--	--	--	--	--	--	--	--
MH-33	4/3/2002	(Fastflowingnoodor	--	12.90	(SHEEN)	--	--	--	--	--	--	--	--
MH-33	9/10/2002	(Moving water)	--	12.80	--	--	--	--	--	--	--	--	--
MH-33	11/19/2002	(Flowing water)	--	11.84	--	--	--	--	--	--	--	--	--
MH-33	1/28/2003	(Rapid flow from	--	12.81	--	--	--	--	--	--	--	--	--
MH-33	4/16/2003	(Strong flow from	--	12.94	--	--	--	--	--	--	--	--	--
MH-33	7/29/2003	(Flowing water	--	12.83	--	--	--	--	--	--	--	--	--
MH-33	10/7/2003	(Flowing water	--	12.88	--	--	--	--	--	--	--	--	--
MH-33	2/17/2004	(Flowing water	--	12.85	--	--	--	--	--	--	--	--	--
MH-33	5/25/2004	(Flowing water)	--	12.76	--	--	--	--	--	--	--	--	--
MH-33	8/10/2004	(Flowing water	--	12.86	--	--	--	--	--	--	--	--	--
MH-33	11/2/2004	(Flowing water	--	12.83	--	--	--	--	--	--	--	--	--
MH-33	3/1/2005	(Flowing from east)	--	12.85	--	--	--	--	--	--	--	--	--
MH-33	5/25/2005	(Flow from the east)	--	12.97	--	--	--	--	--	--	--	--	--
MH-33	8/18/2005	(Flow from the east)	--	12.87	--	--	--	--	--	--	--	--	--
MH-33	10/25/2005	(Flow from the east)	--	12.90	--	--	--	--	--	--	--	--	--
MH-33	4/26/2006	(Flow from the east)	--	12.83	--	--	--	--	--	--	--	--	--
MH-33	8/29/2006	(Flow from the east)	--	12.82	--	--	--	--	--	--	--	--	--
MH-33	10/17/2006	(Flow from the east)	--	13.03	--	--	--	--	--	--	--	--	--
MH-33	12/5/2006	(Flow from the east)	--	12.86	--	--	--	--	--	--	--	--	--
MH-33	3/27/2007	(Flow from the east)	--	12.90	--	--	--	--	--	--	--	--	--
MH-33	5/15/2007	(Flow from the east)	--	12.92	--	--	--	--	--	--	--	--	--
MH-33	9/18/2007	(Flow from the east)	--	13.59	--	--	--	--	--	--	--	--	--
MH-33	12/11/2007	(Flow from the east)	--	12.85	--	--	--	--	--	--	--	--	--
MH-33	3/26/2008	(Flow from the east)	--	12.97	--	--	--	--	--	--	--	--	--
MH-33	5/28/2008	(Flow from the east)	--	12.79	--	--	--	--	--	--	--	--	--
MH-33	8/20/2008	(Flow from the east)	--	12.70	--	--	--	--	--	--	--	--	--
MH-33	2/10/2009	(Flow from the east)	--	12.93	--	--	--	--	--	--	--	--	--
MH-33	5/20/2009	(Flow from the east)	--	12.86	--	--	--	--	--	--	--	--	--
MH-33	8/5/2009	(Flow from the east)	--	12.86	--	--	--	--	--	--	--	--	--
MH-33	11/11/2009	(Flow from the east)	--	12.93	--	--	--	--	--	--	--	--	--
MH-33	11/19/2009	(Flow from the east)	--	12.85	--	--	--	--	--	--	--	--	--
MH-33	8/11/2010		--	--	--	--	--	--	--	--	--	--	<3
MH-33	8/11/2010		--	--	--	--	<100	<250	--	0.250	<1.00	<1.00	--
MH-33	2/17/2011		--	--	--	--	--	--	--	--	--	--	<3
MH-33	2/17/2011		--	--	--	--	<100	<246	--	0.620	<1.00	<1.00	--
MH-33	10/4/2012		--	--	--	--	<90.0	<258	--	0.510	<0.500	<0.500	<1.50
MH-33	4/8/2014		--	--	--	--	<100	--	--	0.830	<0.500	<0.500	<1.50
MH-33	11/20/2014	(NP)	--	--	--	--	<50	**510**	480	2.6	<0.50	0.54(J)	0.80(J)
MH-33	4/30/2015	(NP)	--	--	--	--	<50	70(J)	<65	<0.50	<0.50	0.75(J)	0.89(J)
MH-33	8/3/2015	(NP)	--	--	--	--	<50	<29	88(J)	<0.50	<0.50	<0.50	<0.50
MH-33	11/2/2015	(NP)	--	--	--	--	<50	270	**540**	<0.50	<0.50	<0.50	<0.50
MH-33	2/8/2016	(NP)	--	--	--	--	<50	**4,300**	**5,000**	<0.50	<0.50	<0.50	0.61(J)
MH-33	9/6/2016	(NP)	--	--	--	--	<50	<29	<67	<0.50	<0.50	<0.50	<0.50
MH-33	2/14/2017	(NP)	--	--	--	--	<31.6	226(J)	177(J)	0.448(J)	<0.412	<0.384	<1.06
MH-33	6/27/2017	(NP)	--	--	--	--	<31.6	158(J)	360	<0.331	<0.412	<0.384	<1.06
MH-33	9/12/2017	(NP)	--	--	--	--	<31.6	92.7(J)	<82.5	0.345(J)	<0.412	<0.384	<1.06
MH-33	2/26/2018	(NP)	--	--	--	--	<100	66.2(J)	<250	<1.00	<1.00	<1.00	<3.00
MH-33	9/25/2018	(NP)	--	--	--	--	41.1(B J)	<200	<250	<1.00	<1.00	<1.00	<3.00
MH-33	3/28/2019	(NS)	--	--	--	--	--	--	--	--	--	--	--
MH-33	9/17/2019	(NP)	--	--	--	--	<100	199(J)	338	0.500(J)	<1.00	<1.00	<3.00
MH-33	2/20/2020		--	--	--	--	63.9(J, B)	<200	<250	0.591(J)	<1.00	<1.00	<3.00
MH-33	9/28/2020		--	--	--	--	118	344	151(J)	1.6	<1.00	7.89	70.6
MH-33	3/9/2021		--	--	--	--	60.9 B,J	<200	111 J	0.810 B,J	<1.00	0.231 J	0.449 J
MH-33	9/29/2021		--	--	--	--	NA	<200	<250	0.371 J	<1.00	<1.00	<3.00
MH-33	3/15/2022						<100	<200	<250	0.670J	<1.0	0.259J	0.185J
MH-33	9/21/2022	(NS)											
MH-33	10/23/2023	Destroyed											
MW-33	11/15/2001		744.48	5.61	--	738.870	--	--	--	--	--	--	--
MW-33	4/3/2002		744.48	5.50	--	738.980	--	--	--	--	--	--	--
MW-33	9/9/2002		744.48	5.97	0.50	738.885	--	--	--	--	--	--	--
MW-33	11/18/2002		744.48	5.41	0.05	739.107	--	--	--	--	--	--	--
MW-33	1/27/2003		744.48	4.72	0.01	739.768	--	--	--	--	--	--	--
MW-33	4/15/2003		744.48	4.92	--	739.560	--	--	--	--	--	--	--
MW-33	7/29/2003		744.48	5.54	--	738.940	--	--	--	--	--	--	--
MW-33	10/6/2003		744.48	5.77	0.23	738.883	--	--	--	--	--	--	--
MW-33	2/16/2004		744.48	4.96	0.03	739.542	--	--	--	--	--	--	--
MW-33	5/24/2004		744.48	5.07	--	739.410	--	--	--	--	--	--	--
MW-33	8/9/2004		744.48	5.26	--	739.220	--	--	--	--	--	--	--
MW-33	11/1/2004		744.48	5.24	0.01	739.247	--	--	--	--	--	--	--
MW-33	2/28/2005		744.48	5.33	0.01	739.157	--	--	--	--	--	--	--
MW-33	5/24/2005		744.48	5.38	0.02	739.115	--	--	--	--	--	--	--
MW-33	8/15/2005		744.48	6.12	0.41	738.667	--	--	--	--	--	--	--
MW-33	10/24/2005		744.48	5.79	0.36	738.960	--	--	--	--	--	--	--
MW-33	4/24/2006	(Well maintenance	744.48	5.21	0.03	739.292	--	--	--	--	--	--	--
MW-33	8/28/2006		744.48	5.96	0.23	738.693	--	--	--	--	--	--	--
MW-33	10/16/2006		744.48	6.02	0.15	738.573	--	--	--	--	--	--	--
MW-33	12/4/2006		744.48	8.84	--	735.640	--	--	--	--	--	--	--
MW-33	3/26/2007		744.48	5.55	--	738.930	--	--	--	--	--	--	--
MW-33	5/15/2007		744.48	5.41	--	739.070	--	--	--	--	--	--	--
MW-33	9/18/2007		744.48	5.75	--	738.730	--	--	--	--	--	--	--
MW-33	12/11/2007		744.48	5.22	0.06	739.305	--	--	--	--	--	--	--
MW-33	3/25/2008		744.48	5.40	--	739.080	--	--	--	--	--	--	--
MW-33	5/27/2008		744.48	5.30	--	739.180	--	--	--	--	--	--	--
MW-33	8/19/2008		744.48	8.55	--	735.930	--	--	--	--	--	--	--
MW-33	11/18/2008		744.48	5.65	0.13	738.927	--	--	--	--	--	--	--
MW-33	2/10/2009		744.48	5.60	0.04	738.910	--	--	--	--	--	--	--
MW-33	5/19/2009		744.48	5.65	0.05	738.867	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-33	8/4/2009		744.48	6.10	0.19	738.523	--	--	--	--	--	--	--
MW-33	11/10/2009		744.48	5.78	0.04	738.730	--	--	--	--	--	--	--
MW-33	2/16/2010		747.46	5.00	--	742.460	--	--	--	--	--	--	--
MW-33	2/17/2010		--	--	--	--	<50	<120	<240	<1.0	<1.0	<1.0	<2.0
MW-33	6/30/2010		747.46	5.31	--	742.149	--	--	--	--	--	--	--
MW-33	8/11/2010		747.46	5.67	0.07	741.789	--	--	--	--	--	--	--
MW-33	11/11/2010		747.46	5.35	--	742.109	--	--	--	--	--	--	--
MW-33	2/15/2011		747.46	5.11	0.01	742.349	--	--	--	--	--	--	--
MW-33	9/12/2011		747.46	5.38	0.0	742.080	--	--	--	--	--	--	--
MW-33	10/3/2012		747.46	5.54	0.02	741.919	--	--	--	--	--	--	--
MW-33	4/7/2014		747.46	5.40	0.01	742.080	--	--	--	--	--	--	--
MW-33	11/19/2014	(NAPL)	747.46	5.29	0.07	742.226	--	--	--	--	--	--	--
MW-33	4/29/2015	(NAPL)	747.46	5.36	0.04	742.132	--	--	--	--	--	--	--
MW-33	8/3/2015	(NS)	747.46	6.15	0.0	741.310	--	--	--	--	--	--	--
MW-33	11/2/2015	(NS)	747.46	5.85	0.0	741.610	--	--	--	--	--	--	--
MW-33	2/8/2016	(NAPL)	747.46	4.86	0.04	742.632	--	--	--	--	--	--	--
MW-33	9/6/2016	(NS)	747.46	5.94	0.0	741.520	--	--	--	--	--	--	--
MW-33	2/14/2017	(NS)	747.46	5.34	0.0	742.120	--	--	--	--	--	--	--
MW-33	6/26/2017	(NS)	747.46	5.34	0.0	742.120	--	--	--	--	--	--	--
MW-33	9/11/2017	(NS)	747.46	5.70	0.0	741.760	--	--	--	--	--	--	--
MW-33	2/26/2018	(NS)	747.46	5.42	0.0	742.040	--	--	--	--	--	--	--
MW-33	9/25/2018	(NS)	747.46	5.49	--	741.970	--	--	--	--	--	--	--
MW-33	3/29/2019	(LFP)	747.46	4.81	0.0	742.650	**2,100(B)**	**2,110**	**1,010**	**6.21**	0.672(J)	19.9	95.6
MW-33	9/18/2019	(LFP)	747.46	5.54	0.0	741.920	**1,310**	**666**	253	2.67	<1.00	4.09	28.5
MW-33	2/20/2020		747.46	5.62	0.0	741.840	<100	<200	<250	<1.00	<1.00	<1.00	<3.00
MW-33	9/29/2020		747.46	5.95	0	741.510	<100	<200	<250	0.449(J)	<1.00	0.178(J)	<3.00
MW-33	3/10/2021		747.46	5.5	0	741.960	**1190**	**2190**	**669**	**10.3**	0.378 J	19.1	30.6
MW-33	9/29/2021		747.46	5.73	0	741.730	**1010**	177 J	<250	1.78	0.331 J	8.91	94.9
MW-33	3/15/2022		747.46	5.42	0	742.040	**1650**	**1580**	210J	**10.4**	<1.00	53.9	25
MW-33	9/22/2022		747.46	5.58	0	741.880	**4270**	**2140**	**836**	1.56	3.5	84	888
MW-33	3/7/2023		747.46	4.97	0	742.49	**6520**	**2860**	**836**	**7.53**	0.617 J	38.8	663
MW-33	10/24/2023		747.46	5.81	0	741.65	**7200**	**997**	<250	**4.66J**	1.96J	38.8	993
MH-34	6/8/2001		--	8.93	--	--	--	--	--	--	--	--	--
MH-34	11/16/2001		--	9.22	--	--	--	--	--	--	--	--	--
MH-34	4/3/2002		--	9.24	--	--	--	--	--	--	--	--	--
MH-34	9/10/2002	(Slowflowingpetrole	--	9.05	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	11/19/2002	(Still/stagnantwaters	--	9.23	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	1/28/2003	(Still/stagnant	--	9.04	--	--	--	--	--	--	--	--	--
MH-34	4/16/2003	(Low flow from	--	9.28	--	--	--	--	--	--	--	--	--
MH-34	7/29/2003	(Slight flow from	--	9.02	--	--	--	--	--	--	--	--	--
MH-34	10/7/2003	(Slight flow from	--	9.10	--	--	--	--	--	--	--	--	--
MH-34	2/17/2004	(Slightflowfromthen	--	9.08	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	5/25/2004	(Visiblehydrocarbon	--	9.24	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	8/10/2004	(Slightwaterpresent	--	9.14	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	11/2/2004	(Stagnantslightpetro	--	9.10	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	3/1/2005	(Stagnantslightprod	--	9.10	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	5/25/2005	(productglobulespet	--	9.28	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	8/18/2005	(productglobulesflo	--	9.08	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	10/25/2005	(hydrocarbonodorpr	--	9.11	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	4/26/2006	(hydrocarbonodorpr	--	9.10	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	8/29/2006	(Stronghydrocarbon	--	9.25	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	10/17/2006	(Stronghydrocarbon	--	9.12	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	12/5/2006	(Stronghydrocarbon	--	9.18	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	3/28/2007	(Stronghydrocarbon	--	9.20	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	5/15/2007	(hydrocarbonodorpr	--	9.25	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	9/19/2007	(productglobulessta	--	9.17	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	12/12/2007	(productglobulessta	--	9.30	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	3/26/2008	(productglobulessta	--	9.29	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	5/28/2008	(appearswhensedim	--	9.02	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	8/20/2008	(Blackoillikeonstagn	--	9.30	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	2/11/2009	(Blackoillikeonstagn	--	9.30	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	5/20/2009	(Nostagnantsurface	--	9.30	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	8/5/2009	(Blackoillikeonstagn	--	9.18	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	11/11/2009	(Oilynoodor.)	--	9.31	(SHEEN)	--	--	--	--	--	--	--	--
MH-34	2/17/2010		--	--	--	--	220	**1,200**	**1,100**	**9.2**	<1.0	7.7	30
MH-34	8/13/2010		--	--	--	--	426	--	--	--	--	--	--
MH-34	2/17/2011		--	--	--	--	--	--	--	--	--	--	202.44
MH-34	2/17/2011		--	--	--	--	**1,610**	**38,200**	--	**13.8**	<2.00	30.7	--
MH-34	10/4/2012		--	--	--	--	119		--	**10.2**	<0.500	13.0	7.47
MH-34	4/8/2014		--	--	--	--	<100	--	--	4.95	<0.500	2.76	3.90
MH-34	11/20/2014	(NP)	--	--	--	--	72(J)	**19,000**	**17,000(J)**	0.90(J)	<0.50	0.68(J)	1.8
MH-34	4/29/2015	(NP)	--	--	--	--	**1,100**	**57,000**	**51,000**	0.81(J)	<0.50	1.9	66
MH-34	8/3/2015	(NP)	--	--	--	--	<50	**5,000**	**5,100**	1.1	<0.50	1.2	2.0
MH-34	11/2/2015	(NP)	--	--	--	--	<50	**210,000**	**140,000**	<0.50	<0.50	<0.50	<0.50
MH-34	11/3/2015	(Dup)	--	--	--	--	110(J)	60(J)	<66	5.0	<0.50	0.67(J)	0.72(J)
MH-34	2/8/2016	(NP)	--	--	--	--	350	**29,000**	**24,000(J)**	**5.7**	<0.50	6.1	18
MH-34	9/6/2016	(NP)	--	--	--	--	<50	**5,400**	**4,400**	<0.50	<0.50	<0.50	<0.50
MH-34	2/15/2017	(NP)	--	--	--	--	<31.6	**895**	**1,450**	**6.09**	<0.412	4.36	10.6
MH-34	6/27/2017	(NP)	--	--	--	--	<31.6	**571**	**865**	1.66	<0.412	2.11	5.34
MH-34	9/12/2017	(NP)	--	--	--	--	<31.6	**646**	**1,000**	1.41	<0.412	0.573(J)	2.09(J)
MH-34	2/26/2018	(NP)	--	--	--	--	<100	**924**	**1,760**	2.51	<1.00	2.10	3.64
MH-34	9/25/2018	(NP)	--	--	--	--	47.3(B J)	<200	216(J)	<1.00	<1.00	<1.00	<3.00
MH-34	3/28/2019	(NP)	--	--	--	--	<100	<200	<250	<1.00	<1.00	<1.00	1.56(J)
MH-34	9/17/2019	(NP)	--	--	--	--	<100	174(J)	181(J)	3.12	<1.00	3.17	10.1
MH-34	2/20/2020		--	--	--	--	99.2(J,B)	283	1150	**5.81**	<1.00	5.22	8.19
MH-34	9/29/2020		--	--	--	--	72.6(J)	<200	<250	2.52	<1.00	2.31	2.20(J)
MH-34	3/8/2021		--	--	--	--	157 B	**525**	**716**	**5.54**	<1.00	8..6	9.29
MH-34	9/29/2021		--	--	--	--	NA	<200	<250	**14.1 Q**	<1.00 Q	16.3 Q	3.71 Q
MH-34	3/16/2022	Unable to locate											
MH-34	9/21/2022	(ns)											
MH-34	10/23/2023	Destroyed											
MH-35	6/8/2001	(NS)	--	9.50	--	--	--	--	--	**--**	--	--	--
MH-35	11/16/2001		--	9.34	--	--	--	--	--	**--**	--	--	--
MH-35	4/3/2002		--	9.44	--	--	--	--	--	**--**	--	--	--
MH-37	6/8/2001		--	8.23	--	--	--	--	--	**--**	--	--	--
MH-37	11/16/2001	(NM)	--	--	--	--	--	--	--	**--**	--	--	--
MW-38	6/8/2001		--	7.32	--	--	--	--	--	**--**	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-38	11/16/2001		--	7.41	--	--	--	--	--	**--**	--	--	--
MW-38	9/10/2002		--	7.39	--	--	--	--	--	**--**	--	--	--
MW-38	11/19/2002		--	7.39	--	--	--	--	--	**--**	--	--	--
MW-38	1/28/2003		--	7.22	--	--	--	--	--	**--**	--	--	--
MW-38	4/16/2003		--	7.35	--	--	--	--	--	**--**	--	--	--
MW-38	7/29/2003		--	7.20	--	--	--	--	--	**--**	--	--	--
MW-38	10/7/2003		--	7.27	--	--	--	--	--	**--**	--	--	--
MW-38	2/17/2004		--	7.28	--	--	--	--	--	**--**	--	--	--
MW-38	5/25/2004		--	7.35	--	--	--	--	--	**--**	--	--	--
MW-38	8/10/2004		--	7.37	--	--	--	--	--	**--**	--	--	--
MW-38	11/2/2004		--	7.25	--	--	--	--	--	**--**	--	--	--
MW-38	3/1/2005		--	7.24	--	--	--	--	--	**--**	--	--	--
MW-38	5/25/2005		--	7.41	--	--	--	--	--	**--**	--	--	--
MW-38	8/18/2005		--	7.34	--	--	--	--	--	**--**	--	--	--
MW-38	10/25/2005		--	7.32	--	--	--	--	--	**--**	--	--	--
MW-38	4/26/2006	(NM)	--	--	--	--	--	--	--	**--**	--	--	--
MW-38	3/28/2019	(NS)	--	--	--	--	--	--	--	**--**	--	--	--
MW-38	9/17/2019	(NM)	--	--	--	--	--	--	--	**--**	--	--	--
MW-39	4/7/2014	(LF)	750.06	6.41	0.0	743.650	271	--	--	**74.6**	1.43	3.64	17.8
MW-39	11/19/2014	(LF)	750.06	5.43	0.0	744.630	120(J)	45(J)	<65	**<0.50**	<0.50	0.58(J)	5.4
MW-39	4/29/2015	(NS)	750.06	6.28	0.0	743.780	--	--	--	**--**	--	--	--
MW-39	4/30/2015	(LFP)	750.06	--	--	--	<50	38(J)	<66	**1.1**	0.81(J)	0.73(J)	5.1
MW-39	8/3/2015	(NS)	750.06	6.98	0.0	743.080	--	--	--	**--**	--	--	--
MW-39	8/4/2015	(LFP)	750.06	--	--	--	<50	44(J)	<66	**<0.50**	<0.50	<0.50	<0.50
MW-39	11/2/2015	(NS)	750.06	6.72	0.0	743.340	--	--	--	**--**	--	--	--
MW-39	11/3/2015	(LFP)	750.06	--	--	--	<50	60(J)	<65	**8.2**	<0.50	1.1	2.0
MW-39	2/8/2016	(LFP)	750.06	5.61	0.0	744.450	<50	170	210(J)	**<0.50**	<0.50	<0.50	<0.50
MW-39	9/6/2016	(NS)	750.06	6.84	0.0	743.220	--	--	--	**--**	--	--	--
MW-39	9/7/2016	(LFP)	750.06	--	--	--	<50	47(J)	<68	**<0.50**	<0.50	<0.50	<0.50
MW-39	2/15/2017	(LFP)	750.06	5.50	0.0	744.560	343	198(J)	187(J)	**45.4**	2.07	2.97	13.7
MW-39	6/26/2017	(NS)	750.06	6.31	0.0	743.750	--	--	--	**--**	--	--	--
MW-39	6/27/2017	(LFP)	750.06	--	--	--	<31.6	139(J)	94.7(J)	**7.91**	<0.412	<0.384	<1.06
MW-39	9/12/2017	(LFP)	750.06	6.75	0.0	743.310	<31.6	101(J)	<82.5	**0.407(J)**	<0.412	<0.384	<1.06
MW-39	2/27/2018	(LFP)	750.06	6.25	0.0	743.810	<100	<200	<250	**0.719(J)**	<1.00	<1.00	<3.00
MW-39	9/27/2018	(LFP)	750.06	6.73	--	743.330	38.8(B J)	<200	<250	**<1.00**	<1.00	<1.00	<3.00
MW-39	3/29/2019	(LFP)	750.05	5.72	0.0	744.330	90.9(B J)	<200	<250	**19.5**	2.44	0.958(J)	11.0
MW-39	9/18/2019	(LFP)	750.05	6.69	0.0	743.360	<100	276	469	**<1.00**	<1.00	<1.00	<3.00
MW-39	2/21/2020		750.05	6.57	0.0	743.480	35.4(J)	<200	<250	1.9	<1.00	0.904(J)	<3.00
MW-39	9/29/2020		750.05	6.62	0	743.430	<100	<200	<250	0.950(J)	<1.00	<1.00	<3.00
MW-39	3/9/2021		750.05	6.26	0	743.790	415 B	248	177 J	**94.2**	0.553 J	10.6	1.28 J
MW-39	9/29/2021		750.05	6.74	0	743.310	69.3 B,J	<200	<250	**5.13**	<1.00	<1.00	<3.00
MW-39	3/16/2022		750.05	6.54	0	743.510	218	224	<250	**32.3**	<1.00	1.89	<3.00
MW-39	9/22/2022		750.05	6.95	0	743.100	<100	88.9J	<250	<1.0	<1.0	<1.0	<3.00
MW-39	3/7/2023		750.05	6.22	0	743.83	609	159 J	<250	**66.7**	<1.0	.647 J	.399 J
MW-39	10/24/2023		750.05	6.99	0	743.06	197B	<200	<250	1.22	<1.00	<1.00	<3.00
MW-40	4/8/2014	(LF)	749.90	6.26	0.0	743.640	**1,660**	--	--	**266**	34.5	47.6	199
MW-40	11/19/2014	(NS)	749.90	6.43	0.0	743.470	--	--	--	--	--	--	--
MW-40	11/20/2014	(LF)	749.90	--	--	--	**2,400**	**950**	250	**460**	60	140	230
MW-40	4/29/2015	(NS)	749.90	6.28	0.0	743.620	--	--	--	--	--	--	--
MW-40	4/30/2015	(LFP)	749.90	--	--	--	730	480	82(J)	**510**	19	83	41
MW-40	8/3/2015	(NS)	749.90	6.86	0.0	743.040	--	--	--	--	--	--	--
MW-40	8/4/2015	(LFP)	749.90	--	--	--	**1,200**	320	<67	**250**	53	100	80
MW-40	11/2/2015	(NS)	749.90	6.57	0.0	743.330	--	--	--	--	--	--	--
MW-40	11/3/2015	(LFP)	749.90	--	--	--	**2,700**	380	<65	**970**	130	180	170
MW-40	2/8/2016	(NS)	749.90	5.55	0.0	744.350	--	--	--	--	--	--	--
MW-40	2/9/2016	(LFP)	749.90	--	--	--	160(J)	290	280	1.6	<0.50	0.63(J)	<0.50
MW-40	9/6/2016	(NS)	749.90	6.74	0.0	743.160	--	--	--	--	--	--	--
MW-40	9/7/2016	(LFP)	749.90	--	--	--	**2,600**	**540**	110(J)	**650**	170	170	210
MW-40	2/14/2017	(LFP)	749.90	5.62	0.0	744.280	--	--	--	--	--	--	--
MW-40	2/15/2017		--	--	--	--	**989**	**590**	**577**	**170**	42.2	57.4	51.5
MW-40	6/26/2017	(NS)	749.90	6.18	0.0	743.720	--	--	--	--	--	--	--
MW-40	6/27/2017	(LFP)	749.90	--	--	--	606	336	458	<0.331	<0.412	<0.384	<1.06
MW-40	9/11/2017	(LFP)	749.90	6.69	0.0	743.210	--	--	--	--	--	--	--
MW-40	9/12/2017		--	--	--	--	**1,730**	369	339	**26.7**	5.67	113	18.5
MW-40	2/26/2018	(NS)	749.90	6.20	0.0	743.700	--	--	--	--	--	--	--
MW-40	2/27/2018	(LFP)	749.90	6.20	0.0	743.700	**940**	152(J)	178(J)	1.52	<1.00	<1.00	<3.00
MW-40	9/25/2018	(NS)	749.90	6.56	--	743.340	--	--	--	--	--	--	--
MW-40	9/27/2018	(LFP)	749.90	6.56	--	743.340	**1,880**	304	321	**35.6**	3.17	82.8	24.3
MW-40	9/27/2018	(Dup)(LFP)	749.90	6.56	--	743.340	**3,260**	278	335	**32.2**	2.64	74.5	24.3
MW-40	3/29/2019	(LFP)	749.90	5.43	0.0	744.470	137(B)	<200	<250	1.46	<1.00	0.421(J)	1.30(J)
MW-40	9/18/2019	(LFP)	749.90	6.58	0.0	743.320	**2,760**	**508**	**679**	**65.1**	2.43	70.8	95.8
MW-40	2/21/2020		749.90	6.44	0.0	743.460	**1,460**	367	302	**22.2**	<1.00	1.59	4.12
MW-40	9/29/2020		749.90	6.55	0	743.350	**976**	399	308	**73.3**	1.06	39.7	13.4
MW-40	3/9/2021		749.90	6.19	0	743.710	**3,280**	**988**	297	**311**	2.78	40.3	43
MW-40	9/29/2021		749.90	6.64	0	743.260	**1,050**	<400	<500	**35.7**	0.756 J	13.5	8.49
MW-40	3/16/2022	**(Odor)**	749.90	6.41	0	743.490	653	326	168J	**18.3**	0.291J	3.98	1.31J
MW-40	9/22/2022		749.90	6.81	0	743.090	**1,260**	350	308	**27**	1.1	15.4	8.52
MW-40	3/7/2023		749.90	5.52	0	744.38	281 B	219	192 J	4.63	<1.0	<1.0	.366 J
MW-40	10/24/2023		749.90	6.86	0	743.04	77.5BJ	<200	<250	0.303J	<1.00	<1.00	<3.00
MW-41	4/8/2014	(LF)	749.11	5.46	0.0	743.650	<100	--	--	2.87	<0.500	1.16	8.11
MW-41	11/19/2014	(LF)	749.11	5.44	0.0	743.670	52(J)	67(J)	<66	1.4	<0.50	0.53(J)	1.6
MW-41	4/29/2015	(NS)	749.11	5.42	0.0	743.690	--	--	--	--	--	--	--
MW-41	4/30/2015	(LFP)	749.11	--	--	--	<50	**560**	390	2.8	<0.50	<0.50	<0.50
MW-41	8/3/2015	(NS)	749.11	6.01	0.0	743.100	--	--	--	--	--	--	--
MW-41	8/4/2015	(LFP)	749.11	--	--	--	350	250	<67	**130**	2.6	73	15
MW-41	11/2/2015	(NS)	749.11	5.78	0.0	743.330	--	--	--	--	--	--	--
MW-41	11/3/2015	(LFP)	749.11	--	--	--	370	200	<69	**38**	0.91(J)	14	1.4
MW-41	2/8/2016	(NS)	749.11	4.68	0.0	744.430	--	--	--	--	--	--	--
MW-41	2/9/2016	(LFP)	749.11	--	--	--	<50	250	380	<0.50	<0.50	<0.50	<0.50
MW-41	9/6/2016	(NS)	749.11	5.92	0.0	743.190	--	--	--	--	--	--	--
MW-41	9/7/2016	(LFP)	749.11	--	--	--	<50	**1,400**	**1,000**	2.9	<0.50	<0.50	<0.50
MW-41	2/14/2017	(LFP)	749.11	4.65	0.0	744.460	--	--	--	--	--	--	--
MW-41	2/15/2017		--	--	--	--	<31.6	200(J)	461(J)	<0.331	<0.412	<0.384	<1.06
MW-41	6/26/2017	(NS)	749.11	5.36	0.0	743.750	--	--	--	--	--	--	--
MW-41	6/27/2017	(LFP)	749.11	--	--	--	<31.6	**1,020**	**1,190**	**43.2**	<0.412	0.954(J)	<1.06
MW-41	9/11/2017	(LFP)	749.11	5.85	0.0	743.260	--	--	--	--	--	--	--
MW-41	9/12/2017		--	--	--	--	**2,450**	**1,770**	**1,510**	**606**	41.4	153	95.3

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
MW-41	2/26/2018	(NS)	749.11	5.34	0.0	743.770	--	--	--	--	--	--	--
MW-41	2/27/2018	(LFP)	749.11	5.34	0.0	743.770	<100	**1,510**	**783**	<1.00	<1.00	<1.00	<3.00
MW-41	9/25/2018	(NS)	749.11	5.75	--	743.360	--	--	--	--	--	--	--
MW-41	9/27/2018	(LFP)	749.11	5.72	--	743.390	676	**563**	473	**133**	<1.00	39.8	3.02
MW-41	3/30/2019	(NG/NS)	749.10	--	--	--	--	--	--	--	--	--	--
MW-41	9/18/2019	(LFP)	749.10	5.69	0.0	743.410	304	**2,570**	**3,450**	<1.00	<1.00	<1.00	<1.00
MW-41	2/21/2020		749.10	5.68	0.0	743.420	32.1(J,B)	357	**550**	<1.00	<1.00	<1.00	<3.00
MW-41	9/29/2020		749.10	5.72	0	743.380	<100	239	**709**	0.402(J)	<1.00	<1.00	<3.00
MW-41	3/8/2021	Unable to locate	749.10	--	0	--	--	--	--	--	--	--	--
MW-41	9/28/2021	Unable to locate	749.10	--	0	--	--	--	--	--	--	--	--
MW-41	3/16/2022	Unable to locate	749.10	--	0	--							
MW-41	9/21/2022	Unable to locate	749.10										
MW-41	3/6/2023	Unable to Locate	749.10		0		-	-	-	-	-	-	-
MW-41	10/23/2023	Unable to Access	749.10		0								
MW-42	4/8/2014	(LF)	749.66	6.20	0.0	743.460	**90,300**	--	--	**9,730**	**10,700**	**2,090**	**8,990**
MW-42	11/19/2014	(NAPL)	749.66	6.29	0.23	743.554	--	--	--	--	--	--	--
MW-42	4/29/2015	(NAPL)	749.66	6.27	0.15	743.510	--	--	--	--	--	--	--
MW-42	8/3/2015	(NAPL)	749.66	6.95	0.17	742.846	--	--	--	--	--	--	--
MW-42	11/2/2015	(NAPL)	749.66	6.63	0.08	743.094	--	--	--	--	--	--	--
MW-42	2/8/2016	(NAPL)	749.66	5.60	0.04	744.092	--	--	--	--	--	--	--
MW-42	9/6/2016	(NS)	749.66	6.66	0.0	743.000	--	--	--	--	--	--	--
MW-42	9/7/2016	(LFP)	749.66	--	--	--	**34,000**	**3,500**	340	**1,600**	**2,200**	**1,100**	**3,400**
MW-42	6/26/2017	(NS)	749.66	6.14	0.0	743.520	--	--	--	--	--	--	--
MW-42	6/27/2017	(LFP)	749.66	--	--	--	**13,000**	**2,390**	**666**	**803**	898	430	**2,110**
MW-42	9/12/2017	(LFP)	749.66	6.56	0.0	743.100	**14,700**	**2,960**	470	**764**	**1,370**	**1,200**	**1,920**
MW-42	2/26/2018	(NS)	749.66	6.11	0.0	743.550	--	--	--	--	--	--	--
MW-42	2/27/2018	(LFP)	749.66	6.11	0.0	743.550	**36,900**	**1,190**	268	**728**	**10,200**	**1,700**	**7,510**
MW-42	9/25/2018	(LFP)	749.66	6.38	--	743.280	**26,200**	**3,540**	452	**466**	**2,790**	**1,510**	**3,320**
MW-42	3/29/2019	(LFP)	749.65	5.46	0.0	744.190	**43,500**	**2,380**	101(J)	**730**	**8,850**	**1,220**	**6,580**
MW-42	9/18/2019	(LFP)	749.65	6.41	0.0	743.240	**29,800**	**2,630**	**691**	**137**	**2,300**	**983**	**3,340**
MW-42	2/21/2020		749.65	6.35	0.0	743.300	**21,300**	**3,270**	**593**	**83.9**	**3,970**	608	**4,490**
MW-42	9/29/2020		749.65	6.40	0	743.250	**32,000**	**2,440**	489	**131**	**3,130**	**1150**	**4,890**
MW-42	3/8/2021	Unable to locate	749.65	--	0	--	--	--	--	--	--	--	--
MW-42	9/29/2021		749.65	6.49	0	743.160	**28100 Q**	**3,360**	<500	**61.6**	596	**1060**	**4,930**
MW-42	3/16/2022		749.65	6.30	0	743.350	**23,100**	**4,850**	**764**	**40.5**	914	**1,200**	**6,280**
MW-42	9/22/2022		749.65	6.68	0	742.970	**19,500**	**4,900**	**756**	**33.2**	203	116	**5,080**
MW-42	3/7/2023		749.65	6.05	0	743.6	**21500**	**6140**	366	**26.8**	494	**909**	**4510**
MW-42	10/24/2023		749.65	6.71	0	742.94	**23300**	**4590**	410	**27.4**	329	**1310**	**4680**
NT-A1-D	9/11/2002		--	6.10	--	--	--	--	--	--	--	--	--
NT-A1-D	10/15/2002		--	5.44	0.01	--	--	--	--	--	--	--	--
NT-A1-D	11/21/2002		--	5.42	--	--	--	--	--	--	--	--	--
NT-A1-D	1/29/2003		--	4.71	--	--	--	--	--	--	--	--	--
NT-A1-D	4/17/2003		--	4.90	0.01	--	--	--	--	--	--	--	--
NT-A1-D	7/31/2003		--	5.62	--	--	--	--	--	--	--	--	--
NT-A1-D	10/8/2003		--	5.63	0.01	--	--	--	--	--	--	--	--
NT-A1-D	2/18/2004		--	4.86	0.01	--	--	--	--	--	--	--	--
NT-A1-D	5/26/2004		--	5.02	--	--	--	--	--	--	--	--	--
NT-A1-D	8/12/2004		--	5.42	0.01	--	--	--	--	--	--	--	--
NT-A1-D	11/4/2004		--	5.58	--	--	--	--	--	--	--	--	--
NT-A1-D	3/3/2005		--	5.38	--	--	--	--	--	--	--	--	--
NT-A1-D	5/27/2005		--	5.45	--	--	--	--	--	--	--	--	--
NT-A1-D	8/17/2005		--	5.90	0.01	--	--	--	--	--	--	--	--
NT-A1-D	10/27/2005		--	5.57	0.02	--	--	--	--	--	--	--	--
NT-A1-D	4/26/2006		--	5.21	--	--	--	--	--	--	--	--	--
NT-A1-D	8/29/2006		--	5.78	--	--	--	--	--	--	--	--	--
NT-A1-D	10/18/2006		--	5.95	--	--	--	--	--	--	--	--	--
NT-A1-D	12/6/2006		--	5.93	--	--	--	--	--	--	--	--	--
NT-A1-D	3/27/2007		--	5.66	--	--	--	--	--	--	--	--	--
NT-A1-D	5/16/2007		--	5.50	--	--	--	--	--	--	--	--	--
NT-A1-D	9/20/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A1-D	12/12/2007		--	5.42	--	--	--	--	--	--	--	--	--
NT-A1-D	3/27/2008		--	5.46	--	--	--	--	--	--	--	--	--
NT-A1-D	5/29/2008		--	5.32	--	--	--	--	--	--	--	--	--
NT-A1-D	8/21/2008		--	5.61	--	--	--	--	--	--	--	--	--
NT-A1-D	2/12/2009		--	5.37	--	--	--	--	--	--	--	--	--
NT-A1-D	5/21/2009		--	5.67	--	--	--	--	--	--	--	--	--
NT-A1-D	8/6/2009		--	6.00	--	--	--	--	--	--	--	--	--
NT-A1-D	11/12/2009		--	5.78	0.02	--	--	--	--	--	--	--	--
NT-A1-D	11/20/2009		--	5.60	--	--	--	--	--	--	--	--	--
NT-A1-I	9/11/2002		--	6.10	--	--	--	--	--	--	--	--	--
NT-A1-I	10/15/2002		--	5.41	0.01	--	--	--	--	--	--	--	--
NT-A1-I	11/21/2002	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A1-I	1/29/2003		--	4.67	--	--	--	--	--	--	--	--	--
NT-A1-I	4/17/2003		--	4.86	0.01	--	--	--	--	--	--	--	--
NT-A1-I	7/31/2003		--	5.59	--	--	--	--	--	--	--	--	--
NT-A1-I	10/8/2003		--	5.60	0.01	--	--	--	--	--	--	--	--
NT-A1-I	2/18/2004		--	4.81	0.01	--	--	--	--	--	--	--	--
NT-A1-I	5/26/2004		--	4.98	--	--	--	--	--	--	--	--	--
NT-A1-I	8/12/2004		--	5.37	0.01	--	--	--	--	--	--	--	--
NT-A1-I	11/4/2004		--	5.66	--	--	--	--	--	--	--	--	--
NT-A1-I	3/3/2005		--	5.35	0.01	--	--	--	--	--	--	--	--
NT-A1-I	5/27/2005		--	5.42	--	--	--	--	--	--	--	--	--
NT-A1-I	8/17/2005		--	5.86	0.01	--	--	--	--	--	--	--	--
NT-A1-I	10/27/2005		--	5.54	0.02	--	--	--	--	--	--	--	--
NT-A1-I	4/26/2006		--	5.17	--	--	--	--	--	--	--	--	--
NT-A1-I	8/29/2006		--	5.75	--	--	--	--	--	--	--	--	--
NT-A1-I	10/18/2006		--	5.90	--	--	--	--	--	--	--	--	--
NT-A1-I	12/6/2006		--	5.85	--	--	--	--	--	--	--	--	--
NT-A1-I	3/27/2007		--	5.60	--	--	--	--	--	--	--	--	--
NT-A1-I	5/16/2007		--	5.42	--	--	--	--	--	--	--	--	--
NT-A1-I	9/20/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A1-I	12/12/2007		--	5.15	--	--	--	--	--	--	--	--	--
NT-A1-I	3/27/2008		--	5.42	--	--	--	--	--	--	--	--	--
NT-A1-I	5/29/2008		--	5.28	--	--	--	--	--	--	--	--	--
NT-A1-I	8/21/2008		--	5.55	--	--	--	--	--	--	--	--	--
NT-A1-I	2/12/2009		--	5.59	--	--	--	--	--	--	--	--	--
NT-A1-I	5/21/2009		--	5.60	--	--	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
NT-A1-I	8/6/2009		--	5.90	--	--	--	--	--	--	--	--	--
NT-A1-I	11/12/2009		--	5.73	0.01	--	--	--	--	--	--	--	--
NT-A1-I	11/20/2009		--	5.56	--	--	--	--	--	--	--	--	--
NT-A1-S	9/11/2002		--	5.52	--	--	--	--	--	--	--	--	--
NT-A1-S	10/15/2002		--	5.38	0.01	--	--	--	--	--	--	--	--
NT-A1-S	11/21/2002		--	5.36	--	--	--	--	--	--	--	--	--
NT-A1-S	1/29/2003		--	4.63	--	--	--	--	--	--	--	--	--
NT-A1-S	4/17/2003		--	4.84	0.01	--	--	--	--	--	--	--	--
NT-A1-S	7/31/2003		--	5.56	--	--	--	--	--	--	--	--	--
NT-A1-S	10/8/2003		--	5.59	0.01	--	--	--	--	--	--	--	--
NT-A1-S	2/18/2004		--	4.80	0.01	--	--	--	--	--	--	--	--
NT-A1-S	5/26/2004		--	4.95	--	--	--	--	--	--	--	--	--
NT-A1-S	8/12/2004		--	5.34	0.01	--	--	--	--	--	--	--	--
NT-A1-S	11/4/2004		--	5.59	--	--	--	--	--	--	--	--	--
NT-A1-S	3/3/2005		--	5.31	--	--	--	--	--	--	--	--	--
NT-A1-S	5/27/2005		--	5.40	--	--	--	--	--	--	--	--	--
NT-A1-S	8/17/2005		--	5.82	0.01	--	--	--	--	--	--	--	--
NT-A1-S	10/27/2005		--	5.54	0.02	--	--	--	--	--	--	--	--
NT-A1-S	4/26/2006		--	5.14	--	--	--	--	--	--	--	--	--
NT-A1-S	8/29/2006		--	5.75	--	--	--	--	--	--	--	--	--
NT-A1-S	10/18/2006		--	5.90	--	--	--	--	--	--	--	--	--
NT-A1-S	12/6/2006		--	5.92	--	--	--	--	--	--	--	--	--
NT-A1-S	3/27/2007		--	5.60	--	--	--	--	--	--	--	--	--
NT-A1-S	5/16/2007		--	5.42	--	--	--	--	--	--	--	--	--
NT-A1-S	9/20/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A1-S	12/12/2007		--	5.31	--	--	--	--	--	--	--	--	--
NT-A1-S	3/27/2008		--	5.40	--	--	--	--	--	--	--	--	--
NT-A1-S	5/29/2008		--	5.26	--	--	--	--	--	--	--	--	--
NT-A1-S	8/21/2008		--	5.52	--	--	--	--	--	--	--	--	--
NT-A1-S	2/12/2009		--	5.77	--	--	--	--	--	--	--	--	--
NT-A1-S	5/21/2009		--	5.62	--	--	--	--	--	--	--	--	--
NT-A1-S	8/6/2009		--	5.95	--	--	--	--	--	--	--	--	--
NT-A1-S	11/12/2009		--	5.70	0.01	--	--	--	--	--	--	--	--
NT-A1-S	11/20/2009		--	5.58	--	--	--	--	--	--	--	--	--
NT-A2-D	9/11/2002		--	6.16	--	--	--	--	--	--	--	--	--
NT-A2-D	10/15/2002		--	5.51	0.01	--	--	--	--	--	--	--	--
NT-A2-D	11/21/2002		--	5.47	--	--	--	--	--	--	--	--	--
NT-A2-D	1/29/2003		--	4.75	--	--	--	--	--	--	--	--	--
NT-A2-D	4/17/2003		--	4.95	0.01	--	--	--	--	--	--	--	--
NT-A2-D	7/31/2003		--	5.67	--	--	--	--	--	--	--	--	--
NT-A2-D	10/8/2003		--	5.68	0.01	--	--	--	--	--	--	--	--
NT-A2-D	2/18/2004		--	4.91	0.01	--	--	--	--	--	--	--	--
NT-A2-D	5/26/2004		--	5.07	--	--	--	--	--	--	--	--	--
NT-A2-D	8/12/2004		--	5.47	--	--	--	--	--	--	--	--	--
NT-A2-D	11/4/2004		--	5.31	0.01	--	--	--	--	--	--	--	--
NT-A2-D	3/3/2005		--	5.43	--	--	--	--	--	--	--	--	--
NT-A2-D	5/27/2005		--	5.62	--	--	--	--	--	--	--	--	--
NT-A2-D	8/17/2005		--	5.97	0.03	--	--	--	--	--	--	--	--
NT-A2-D	10/27/2005		--	5.63	0.02	--	--	--	--	--	--	--	--
NT-A2-D	4/26/2006		--	5.29	--	--	--	--	--	--	--	--	--
NT-A2-D	8/29/2006		--	5.95	--	--	--	--	--	--	--	--	--
NT-A2-D	10/18/2006		--	6.05	--	--	--	--	--	--	--	--	--
NT-A2-D	12/6/2006		--	6.00	--	--	--	--	--	--	--	--	--
NT-A2-D	3/27/2007		--	5.69	--	--	--	--	--	--	--	--	--
NT-A2-D	5/16/2007		--	5.50	--	--	--	--	--	--	--	--	--
NT-A2-D	9/20/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A2-D	12/12/2007		--	5.24	--	--	--	--	--	--	--	--	--
NT-A2-D	3/27/2008		--	5.52	--	--	--	--	--	--	--	--	--
NT-A2-D	5/29/2008		--	5.49	--	--	--	--	--	--	--	--	--
NT-A2-D	8/21/2008		--	5.65	--	--	--	--	--	--	--	--	--
NT-A2-D	2/12/2009		--	5.74	--	--	--	--	--	--	--	--	--
NT-A2-D	5/21/2009		--	6.05	--	--	--	--	--	--	--	--	--
NT-A2-D	8/6/2009		--	6.05	0.02	--	--	--	--	--	--	--	--
NT-A2-D	11/12/2009		--	5.81	0.01	--	--	--	--	--	--	--	--
NT-A2-D	11/20/2009		--	5.62	--	--	--	--	--	--	--	--	--
NT-A2-I	9/11/2002		--	6.14	--	--	--	--	--	--	--	--	--
NT-A2-I	10/15/2002		--	5.47	0.01	--	--	--	--	--	--	--	--
NT-A2-I	11/21/2002		--	5.45	--	--	--	--	--	--	--	--	--
NT-A2-I	1/29/2003		--	4.67	--	--	--	--	--	--	--	--	--
NT-A2-I	4/17/2003		--	4.94	0.01	--	--	--	--	--	--	--	--
NT-A2-I	7/31/2003		--	5.65	--	--	--	--	--	--	--	--	--
NT-A2-I	10/8/2003		--	5.66	0.01	--	--	--	--	--	--	--	--
NT-A2-I	2/18/2004		--	4.86	0.01	--	--	--	--	--	--	--	--
NT-A2-I	5/26/2004		--	5.04	--	--	--	--	--	--	--	--	--
NT-A2-I	8/12/2004		--	5.44	--	--	--	--	--	--	--	--	--
NT-A2-I	11/4/2004		--	5.16	--	--	--	--	--	--	--	--	--
NT-A2-I	3/3/2005		--	5.40	--	--	--	--	--	--	--	--	--
NT-A2-I	5/27/2005		--	5.49	0.01	--	--	--	--	--	--	--	--
NT-A2-I	8/17/2005		--	5.94	0.01	--	--	--	--	--	--	--	--
NT-A2-I	10/27/2005		--	5.60	0.01	--	--	--	--	--	--	--	--
NT-A2-I	4/26/2006		--	5.23	--	--	--	--	--	--	--	--	--
NT-A2-I	8/29/2006		--	5.92	--	--	--	--	--	--	--	--	--
NT-A2-I	10/18/2006		--	6.10	--	--	--	--	--	--	--	--	--
NT-A2-I	12/6/2006		--	5.95	--	--	--	--	--	--	--	--	--
NT-A2-I	3/27/2007		--	5.69	--	--	--	--	--	--	--	--	--
NT-A2-I	5/16/2007		--	5.49	--	--	--	--	--	--	--	--	--
NT-A2-I	9/20/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A2-I	12/12/2007		--	5.44	--	--	--	--	--	--	--	--	--
NT-A2-I	3/27/2008		--	5.51	--	--	--	--	--	--	--	--	--
NT-A2-I	5/29/2008		--	5.34	--	--	--	--	--	--	--	--	--
NT-A2-I	8/21/2008		--	5.63	--	--	--	--	--	--	--	--	--
NT-A2-I	2/12/2009		--	5.70	--	--	--	--	--	--	--	--	--
NT-A2-I	5/21/2009		--	5.90	--	--	--	--	--	--	--	--	--
NT-A2-I	8/6/2009		--	6.02	0.01	--	--	--	--	--	--	--	--
NT-A2-I	11/12/2009		--	5.80	0.01	--	--	--	--	--	--	--	--
NT-A2-I	11/20/2009		--	5.61	--	--	--	--	--	--	--	--	--
NT-A2-S	9/11/2002		--	5.73	--	--	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
NT-A2-S	10/15/2002		--	5.60	0.01	--	--	--	--	--	--	--	--
NT-A2-S	11/21/2002		--	5.57	--	--	--	--	--	--	--	--	--
NT-A2-S	1/29/2003		--	4.88	--	--	--	--	--	--	--	--	--
NT-A2-S	4/17/2003		--	5.06	0.01	--	--	--	--	--	--	--	--
NT-A2-S	7/31/2003		--	5.78	--	--	--	--	--	--	--	--	--
NT-A2-S	10/8/2003		--	5.79	0.01	--	--	--	--	--	--	--	--
NT-A2-S	2/18/2004		--	5.00	0.01	--	--	--	--	--	--	--	--
NT-A2-S	5/26/2004		--	5.17	--	--	--	--	--	--	--	--	--
NT-A2-S	8/12/2004	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A2-S	11/4/2004		--	5.33	--	--	--	--	--	--	--	--	--
NT-A2-S	3/3/2005		--	5.53	--	--	--	--	--	--	--	--	--
NT-A2-S	5/27/2005		--	5.60	--	--	--	--	--	--	--	--	--
NT-A2-S	8/17/2005		--	6.05	0.01	--	--	--	--	--	--	--	--
NT-A2-S	10/27/2005		--	5.72	0.01	--	--	--	--	--	--	--	--
NT-A2-S	4/26/2006		--	5.35	--	--	--	--	--	--	--	--	--
NT-A2-S	8/29/2006		--	6.05	--	--	--	--	--	--	--	--	--
NT-A2-S	10/18/2006		--	6.15	--	--	--	--	--	--	--	--	--
NT-A2-S	12/6/2006		--	6.15	--	--	--	--	--	--	--	--	--
NT-A2-S	3/27/2007		--	5.83	--	--	--	--	--	--	--	--	--
NT-A2-S	5/16/2007		--	5.65	--	--	--	--	--	--	--	--	--
NT-A2-S	9/20/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A2-S	12/12/2007		--	5.56	--	--	--	--	--	--	--	--	--
NT-A2-S	3/27/2008		--	5.62	--	--	--	--	--	--	--	--	--
NT-A2-S	5/29/2008		--	5.47	--	--	--	--	--	--	--	--	--
NT-A2-S	8/21/2008		--	5.77	--	--	--	--	--	--	--	--	--
NT-A2-S	2/12/2009		--	5.81	--	--	--	--	--	--	--	--	--
NT-A2-S	5/21/2009		--	6.00	--	--	--	--	--	--	--	--	--
NT-A2-S	8/6/2009		--	6.14	--	--	--	--	--	--	--	--	--
NT-A2-S	11/12/2009		--	5.95	0.01	--	--	--	--	--	--	--	--
NT-A2-S	11/20/2009		--	5.75	--	--	--	--	--	--	--	--	--
NT-A3-D	9/11/2002		--	6.36	--	--	--	--	--	--	--	--	--
NT-A3-D	10/15/2002		--	5.72	0.02	--	--	--	--	--	--	--	--
NT-A3-D	11/21/2002		--	5.68	--	--	--	--	--	--	--	--	--
NT-A3-D	1/29/2003		--	4.93	--	--	--	--	--	--	--	--	--
NT-A3-D	4/17/2003		--	5.14	0.01	--	--	--	--	--	--	--	--
NT-A3-D	7/31/2003		--	5.87	--	--	--	--	--	--	--	--	--
NT-A3-D	10/8/2003		--	5.90	0.01	--	--	--	--	--	--	--	--
NT-A3-D	2/18/2004		--	5.10	0.01	--	--	--	--	--	--	--	--
NT-A3-D	5/26/2004		--	5.26	--	--	--	--	--	--	--	--	--
NT-A3-D	8/12/2004		--	5.65	--	--	--	--	--	--	--	--	--
NT-A3-D	11/4/2004		--	5.31	--	--	--	--	--	--	--	--	--
NT-A3-D	3/3/2005		--	5.64	--	--	--	--	--	--	--	--	--
NT-A3-D	5/27/2005		--	5.72	--	--	--	--	--	--	--	--	--
NT-A3-D	8/17/2005		--	6.17	--	--	--	--	--	--	--	--	--
NT-A3-D	10/27/2005		--	5.84	0.02	--	--	--	--	--	--	--	--
NT-A3-D	4/26/2006		--	5.47	--	--	--	--	--	--	--	--	--
NT-A3-D	8/29/2006		--	6.20	--	--	--	--	--	--	--	--	--
NT-A3-D	10/18/2006		--	6.20	--	--	--	--	--	--	--	--	--
NT-A3-D	12/6/2006		--	6.20	--	--	--	--	--	--	--	--	--
NT-A3-D	3/27/2007		--	5.80	--	--	--	--	--	--	--	--	--
NT-A3-D	5/16/2007		--	5.71	--	--	--	--	--	--	--	--	--
NT-A3-D	9/20/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A3-D	12/12/2007		--	5.58	--	--	--	--	--	--	--	--	--
NT-A3-D	3/27/2008		--	5.73	--	--	--	--	--	--	--	--	--
NT-A3-D	5/29/2008		--	5.59	--	--	--	--	--	--	--	--	--
NT-A3-D	8/21/2008		--	5.89	--	--	--	--	--	--	--	--	--
NT-A3-D	2/12/2009		--	5.95	--	--	--	--	--	--	--	--	--
NT-A3-D	5/21/2009		--	6.49	--	--	--	--	--	--	--	--	--
NT-A3-D	8/6/2009		--	6.29	--	--	--	--	--	--	--	--	--
NT-A3-D	11/12/2009		--	6.22	0.01	--	--	--	--	--	--	--	--
NT-A3-D	11/20/2009		--	5.84	--	--	--	--	--	--	--	--	--
NT-A3-I	9/11/2002		--	6.25	0.01	--	--	--	--	--	--	--	--
NT-A3-I	10/15/2002		--	5.68	0.02	--	--	--	--	--	--	--	--
NT-A3-I	11/21/2002		--	5.64	--	--	--	--	--	--	--	--	--
NT-A3-I	1/29/2003		--	4.92	--	--	--	--	--	--	--	--	--
NT-A3-I	4/17/2003		--	5.10	0.01	--	--	--	--	--	--	--	--
NT-A3-I	7/31/2003		--	5.86	--	--	--	--	--	--	--	--	--
NT-A3-I	10/8/2003		--	5.85	0.01	--	--	--	--	--	--	--	--
NT-A3-I	2/18/2004		--	5.05	0.01	--	--	--	--	--	--	--	--
NT-A3-I	5/26/2004		--	5.24	--	--	--	--	--	--	--	--	--
NT-A3-I	8/12/2004		--	5.63	--	--	--	--	--	--	--	--	--
NT-A3-I	11/4/2004		--	5.12	--	--	--	--	--	--	--	--	--
NT-A3-I	3/3/2005		--	5.60	--	--	--	--	--	--	--	--	--
NT-A3-I	5/27/2005		--	5.67	--	--	--	--	--	--	--	--	--
NT-A3-I	8/17/2005		--	6.12	0.01	--	--	--	--	--	--	--	--
NT-A3-I	10/27/2005		--	5.80	0.02	--	--	--	--	--	--	--	--
NT-A3-I	4/26/2006		--	5.40	--	--	--	--	--	--	--	--	--
NT-A3-I	8/29/2006		--	6.15	--	--	--	--	--	--	--	--	--
NT-A3-I	10/18/2006		--	6.15	--	--	--	--	--	--	--	--	--
NT-A3-I	12/6/2006		--	6.15	--	--	--	--	--	--	--	--	--
NT-A3-I	3/27/2007		--	5.85	--	--	--	--	--	--	--	--	--
NT-A3-I	5/16/2007		--	5.69	--	--	--	--	--	--	--	--	--
NT-A3-I	9/20/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A3-I	12/12/2007		--	5.60	--	--	--	--	--	--	--	--	--
NT-A3-I	3/27/2008		--	5.69	--	--	--	--	--	--	--	--	--
NT-A3-I	5/29/2008		--	5.60	--	--	--	--	--	--	--	--	--
NT-A3-I	8/21/2008		--	5.82	--	--	--	--	--	--	--	--	--
NT-A3-I	2/12/2009		--	6.15	--	--	--	--	--	--	--	--	--
NT-A3-I	5/21/2009		--	6.45	--	--	--	--	--	--	--	--	--
NT-A3-I	8/6/2009		--	6.24	--	--	--	--	--	--	--	--	--
NT-A3-I	11/12/2009		--	6.11	--	--	--	--	--	--	--	--	--
NT-A3-I	11/20/2009		--	5.82	--	--	--	--	--	--	--	--	--
NT-A3-S	9/11/2002		--	5.80	--	--	--	--	--	--	--	--	--
NT-A3-S	10/15/2002		--	5.66	0.02	--	--	--	--	--	--	--	--
NT-A3-S	11/21/2002		--	5.63	--	--	--	--	--	--	--	--	--
NT-A3-S	1/29/2003		--	4.87	--	--	--	--	--	--	--	--	--
NT-A3-S	4/17/2003		--	5.09	0.01	--	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
NT-A3-S	7/31/2003		--	5.82	--	--	--	--	--	--	--	--	--
NT-A3-S	10/8/2003		--	5.82	0.01	--	--	--	--	--	--	--	--
NT-A3-S	2/18/2004		--	5.03	0.01	--	--	--	--	--	--	--	--
NT-A3-S	5/26/2004		--	5.21	--	--	--	--	--	--	--	--	--
NT-A3-S	8/12/2004		--	5.60	--	--	--	--	--	--	--	--	--
NT-A3-S	11/4/2004		--	4.99	--	--	--	--	--	--	--	--	--
NT-A3-S	3/3/2005		--	5.58	--	--	--	--	--	--	--	--	--
NT-A3-S	5/27/2005		--	5.66	--	--	--	--	--	--	--	--	--
NT-A3-S	8/17/2005		--	6.11	0.01	--	--	--	--	--	--	--	--
NT-A3-S	10/27/2005		--	5.77	0.02	--	--	--	--	--	--	--	--
NT-A3-S	4/26/2006		--	5.42	--	--	--	--	--	--	--	--	--
NT-A3-S	8/29/2006		--	6.11	--	--	--	--	--	--	--	--	--
NT-A3-S	10/18/2006		--	6.20	--	--	--	--	--	--	--	--	--
NT-A3-S	12/6/2006		--	6.11	--	--	--	--	--	--	--	--	--
NT-A3-S	3/27/2007		--	5.80	--	--	--	--	--	--	--	--	--
NT-A3-S	5/16/2007		--	5.65	--	--	--	--	--	--	--	--	--
NT-A3-S	9/20/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A3-S	12/12/2007		--	5.59	--	--	--	--	--	--	--	--	--
NT-A3-S	3/27/2008		--	5.68	--	--	--	--	--	--	--	--	--
NT-A3-S	5/29/2008		--	5.54	--	--	--	--	--	--	--	--	--
NT-A3-S	8/21/2008		--	5.81	--	--	--	--	--	--	--	--	--
NT-A3-S	2/12/2009		--	6.09	--	--	--	--	--	--	--	--	--
NT-A3-S	5/21/2009		--	6.45	--	--	--	--	--	--	--	--	--
NT-A3-S	8/6/2009		--	6.21	--	--	--	--	--	--	--	--	--
NT-A3-S	11/12/2009		--	6.17	0.02	--	--	--	--	--	--	--	--
NT-A3-S	11/20/2009		--	5.78	--	--	--	--	--	--	--	--	--
NT-A4-D	9/11/2002		--	6.30	--	--	--	--	--	--	--	--	--
NT-A4-D	10/15/2002		--	5.67	0.01	--	--	--	--	--	--	--	--
NT-A4-D	11/21/2002		--	5.65	--	--	--	--	--	--	--	--	--
NT-A4-D	1/29/2003		--	4.95	--	--	--	--	--	--	--	--	--
NT-A4-D	4/17/2003		--	5.12	0.01	--	--	--	--	--	--	--	--
NT-A4-D	7/31/2003		--	5.86	0.01	--	--	--	--	--	--	--	--
NT-A4-D	10/8/2003		--	5.85	0.01	--	--	--	--	--	--	--	--
NT-A4-D	2/18/2004		--	5.08	0.01	--	--	--	--	--	--	--	--
NT-A4-D	5/27/2004		--	5.25	--	--	--	--	--	--	--	--	--
NT-A4-D	8/12/2004		--	5.64	0.01	--	--	--	--	--	--	--	--
NT-A4-D	11/4/2004		--	5.37	--	--	--	--	--	--	--	--	--
NT-A4-D	3/3/2005		--	5.61	--	--	--	--	--	--	--	--	--
NT-A4-D	5/27/2005		--	5.68	0.01	--	--	--	--	--	--	--	--
NT-A4-D	8/17/2005		--	6.12	0.01	--	--	--	--	--	--	--	--
NT-A4-D	10/27/2005		--	5.81	0.02	--	--	--	--	--	--	--	--
NT-A4-D	4/26/2006		--	5.42	0.02	--	--	--	--	--	--	--	--
NT-A4-D	8/29/2006		--	6.11	--	--	--	--	--	--	--	--	--
NT-A4-D	10/18/2006		--	6.20	--	--	--	--	--	--	--	--	--
NT-A4-D	12/6/2006		--	6.16	--	--	--	--	--	--	--	--	--
NT-A4-D	3/27/2007		--	5.88	--	--	--	--	--	--	--	--	--
NT-A4-D	5/16/2007		--	5.68	--	--	--	--	--	--	--	--	--
NT-A4-D	9/20/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A4-D	12/12/2007		--	5.52	--	--	--	--	--	--	--	--	--
NT-A4-D	3/27/2008		--	5.69	--	--	--	--	--	--	--	--	--
NT-A4-D	5/29/2008		--	5.56	--	--	--	--	--	--	--	--	--
NT-A4-D	8/21/2008		--	5.83	--	--	--	--	--	--	--	--	--
NT-A4-D	2/12/2009		--	5.90	--	--	--	--	--	--	--	--	--
NT-A4-D	5/21/2009		--	6.60	--	--	--	--	--	--	--	--	--
NT-A4-D	8/6/2009		--	6.21	--	--	--	--	--	--	--	--	--
NT-A4-D	11/12/2009		--	6.31	0.01	--	--	--	--	--	--	--	--
NT-A4-D	11/20/2009		--	5.80	--	--	--	--	--	--	--	--	--
NT-A4-I	9/11/2002		--	5.85	--	--	--	--	--	--	--	--	--
NT-A4-I	10/15/2002		--	5.71	0.01	--	--	--	--	--	--	--	--
NT-A4-I	11/21/2002		--	5.68	--	--	--	--	--	--	--	--	--
NT-A4-I	1/29/2003		--	4.96	--	--	--	--	--	--	--	--	--
NT-A4-I	4/17/2003		--	5.11	0.01	--	--	--	--	--	--	--	--
NT-A4-I	7/31/2003		--	5.83	0.01	--	--	--	--	--	--	--	--
NT-A4-I	10/8/2003		--	5.84	0.01	--	--	--	--	--	--	--	--
NT-A4-I	2/18/2004		--	5.05	0.01	--	--	--	--	--	--	--	--
NT-A4-I	5/26/2004		--	5.22	--	--	--	--	--	--	--	--	--
NT-A4-I	8/12/2004		--	5.62	0.01	--	--	--	--	--	--	--	--
NT-A4-I	11/4/2004		--	5.30	--	--	--	--	--	--	--	--	--
NT-A4-I	3/3/2005		--	5.59	--	--	--	--	--	--	--	--	--
NT-A4-I	5/27/2005		--	5.65	0.01	--	--	--	--	--	--	--	--
NT-A4-I	8/17/2005		--	6.11	0.02	--	--	--	--	--	--	--	--
NT-A4-I	10/27/2005		--	5.80	0.02	--	--	--	--	--	--	--	--
NT-A4-I	4/26/2006		--	5.42	0.02	--	--	--	--	--	--	--	--
NT-A4-I	8/29/2006		--	6.15	--	--	--	--	--	--	--	--	--
NT-A4-I	10/18/2006		--	6.18	--	--	--	--	--	--	--	--	--
NT-A4-I	12/6/2006		--	6.18	--	--	--	--	--	--	--	--	--
NT-A4-I	3/27/2007		--	5.87	--	--	--	--	--	--	--	--	--
NT-A4-I	5/16/2007		--	5.69	--	--	--	--	--	--	--	--	--
NT-A4-I	9/20/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A4-I	12/12/2007		--	5.60	--	--	--	--	--	--	--	--	--
NT-A4-I	3/27/2008		--	5.70	--	--	--	--	--	--	--	--	--
NT-A4-I	5/29/2008		--	5.57	--	--	--	--	--	--	--	--	--
NT-A4-I	8/21/2008		--	5.84	--	--	--	--	--	--	--	--	--
NT-A4-I	2/12/2009		--	5.92	--	--	--	--	--	--	--	--	--
NT-A4-I	5/21/2009		--	6.60	--	--	--	--	--	--	--	--	--
NT-A4-I	8/6/2009		--	6.25	--	--	--	--	--	--	--	--	--
NT-A4-I	11/12/2009		--	6.31	0.01	--	--	--	--	--	--	--	--
NT-A4-I	11/20/2009		--	5.81	--	--	--	--	--	--	--	--	--
NT-A4-S	9/11/2002		--	6.82	--	--	--	--	--	--	--	--	--
NT-A4-S	10/15/2002		--	5.66	0.01	--	--	--	--	--	--	--	--
NT-A4-S	11/21/2002		--	5.63	--	--	--	--	--	--	--	--	--
NT-A4-S	1/29/2003		--	4.95	--	--	--	--	--	--	--	--	--
NT-A4-S	4/17/2003		--	5.15	0.01	--	--	--	--	--	--	--	--
NT-A4-S	7/31/2003		--	5.88	0.01	--	--	--	--	--	--	--	--
NT-A4-S	10/8/2003		--	5.89	0.01	--	--	--	--	--	--	--	--
NT-A4-S	2/18/2004		--	5.08	0.01	--	--	--	--	--	--	--	--
NT-A4-S	5/26/2004		--	5.27	--	--	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944

All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
NT-A4-S	8/12/2004		--	5.65	0.01	--	--	--	--	--	--	--	--
NT-A4-S	11/4/2004		--	5.19	--	--	--	--	--	--	--	--	--
NT-A4-S	3/3/2005		--	5.62	--	--	--	--	--	--	--	--	--
NT-A4-S	5/27/2005		--	5.71	0.01	--	--	--	--	--	--	--	--
NT-A4-S	8/17/2005		--	6.15	0.01	--	--	--	--	--	--	--	--
NT-A4-S	10/27/2005		--	5.82	0.02	--	--	--	--	--	--	--	--
NT-A4-S	4/26/2006		--	5.42	--	--	--	--	--	--	--	--	--
NT-A4-S	8/29/2006		--	6.30	0.02	--	--	--	--	--	--	--	--
NT-A4-S	10/18/2006		--	6.20	--	--	--	--	--	--	--	--	--
NT-A4-S	12/6/2006		--	6.12	--	--	--	--	--	--	--	--	--
NT-A4-S	3/27/2007		--	5.85	--	--	--	--	--	--	--	--	--
NT-A4-S	5/16/2007		--	5.67	--	--	--	--	--	--	--	--	--
NT-A4-S	9/20/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
NT-A4-S	12/12/2007		--	5.61	--	--	--	--	--	--	--	--	--
NT-A4-S	3/27/2008		--	5.67	--	--	--	--	--	--	--	--	--
NT-A4-S	5/29/2008		--	5.53	--	--	--	--	--	--	--	--	--
NT-A4-S	8/21/2008		--	5.82	--	--	--	--	--	--	--	--	--
NT-A4-S	2/12/2009		--	6.11	--	--	--	--	--	--	--	--	--
NT-A4-S	5/21/2009		--	6.60	--	--	--	--	--	--	--	--	--
NT-A4-S	8/6/2009		--	6.19	--	--	--	--	--	--	--	--	--
NT-A4-S	11/12/2009		--	6.28	0.03	--	--	--	--	--	--	--	--
NT-A4-S	11/20/2009		--	5.77	--	--	--	--	--	--	--	--	--
RW-1	9/11/2002		--	9.34	1.59	--	--	--	--	--	--	--	--
RW-1	11/18/2002		--	6.65	0.09	--	--	--	--	--	--	--	--
RW-1	1/27/2003		--	5.92	0.09	--	--	--	--	--	--	--	--
RW-1	4/15/2003		--	6.14	0.13	--	--	--	--	--	--	--	--
RW-1	7/29/2003		--	6.88	0.11	--	--	--	--	--	--	--	--
RW-1	10/6/2003		--	6.90	0.13	--	--	--	--	--	--	--	--
RW-1	2/16/2004		--	6.22	0.17	--	--	--	--	--	--	--	--
RW-1	5/24/2004		--	6.29	0.04	--	--	--	--	--	--	--	--
RW-1	8/9/2004		--	6.55	0.11	--	--	--	--	--	--	--	--
RW-1	11/1/2004		--	6.49	0.05	--	--	--	--	--	--	--	--
RW-1	2/28/2005		--	6.56	0.04	--	--	--	--	--	--	--	--
RW-1	5/24/2005		--	6.65	0.08	--	--	--	--	--	--	--	--
RW-1	8/15/2005		--	7.21	0.19	--	--	--	--	--	--	--	--
RW-1	10/24/2005		--	6.78	0.08	--	--	--	--	--	--	--	--
RW-1	4/24/2006		--	6.34	--	--	--	--	--	--	--	--	--
RW-1	8/28/2006		--	7.03	0.12	--	--	--	--	--	--	--	--
RW-1	10/16/2006		--	7.05	0.10	--	--	--	--	--	--	--	--
RW-1	12/4/2006	(Surveyed)	747.28	7.00	0.01	740.287	--	--	--	--	--	--	--
RW-1	3/26/2007		747.28	6.77	(Sheen)	740.510	--	--	--	--	--	--	--
RW-1	5/15/2007		747.28	6.51	0.01	740.778	--	--	--	--	--	--	--
RW-1	9/18/2007		747.28	7.02	0.04	740.290	--	--	--	--	--	--	--
RW-1	12/11/2007		747.28	6.21	--	741.070	--	--	--	--	--	--	--
RW-1	3/25/2008		747.28	6.52	--	740.760	--	--	--	--	--	--	--
RW-1	5/27/2008		747.28	6.49	(Sheen)	740.790	--	--	--	--	--	--	--
RW-1	8/19/2008		747.28	6.72	(Sheen)	740.560	--	--	--	--	--	--	--
RW-1	2/10/2009		747.28	6.75	(Sheen)	740.530	--	--	--	--	--	--	--
RW-1	5/19/2009		747.28	6.77	(Sheen)	740.510	--	--	--	--	--	--	--
RW-1	8/4/2009		747.28	7.11	(Sheen)	740.185	--	--	--	--	--	--	--
RW-1	11/10/2009		747.28	7.17	(Sheen)	740.125	--	--	--	--	--	--	--
RW-1	2/16/2010		749.43	5.86	--	743.570	--	--	--	--	--	--	--
RW-1	6/30/2010		749.43	6.17	--	743.259	--	--	--	--	--	--	--
RW-1	8/11/2010	(NM)	749.43	--	--	--	--	--	--	--	--	--	--
RW-1	2/15/2011		749.43	6.26	0.01	743.169	--	--	--	--	--	--	--
RW-1	10/3/2012		749.43	6.86	0.01	742.569	--	--	--	--	--	--	--
RW-1	4/7/2014		749.43	6.71	0.0	742.720	--	--	--	--	--	--	--
RW-1	11/19/2014	(NS)	749.43	6.60	0.0	742.829	--	--	--	--	--	--	--
RW-1	4/29/2015	(NS)	749.43	6.61	0.0	742.819	--	--	--	--	--	--	--
RW-1	8/3/2015	(NS)	749.43	7.23	0.0	742.199	--	--	--	--	--	--	--
RW-1	11/2/2015	(NS)	749.43	7.02	0.0	742.409	--	--	--	--	--	--	--
RW-1	2/8/2016	(NS)	749.43	6.01	0.0	743.419	--	--	--	--	--	--	--
RW-1	9/6/2016	(NS)	749.43	7.05	0.0	742.379	--	--	--	--	--	--	--
RW-1	2/14/2017	(NS)	749.43	6.42	0.0	743.009	--	--	--	--	--	--	--
RW-1	6/26/2017	(NS)	749.43	6.60	0.0	742.829	--	--	--	--	--	--	--
RW-1	9/11/2017	(Unable to access)	749.43	--	--	--	--	--	--	--	--	--	--
RW-1	2/26/2018	(NS)	749.43	6.61	0.0	742.819	--	--	--	--	--	--	--
RW-1	9/25/2018	(NS)	749.43	6.87	--	742.560	--	--	--	--	--	--	--
RW-1	9/27/2018	(LFP)	749.43	6.87	--	742.560	**5,170**	**2,200**	437	**403**	20.5	158	384
RW-1	3/28/2019	(NS)	749.42	6.43	0.0	742.990	--	--	--	--	--	--	--
RW-1	9/17/2019	(NS)	749.42	6.82	0.0	742.600	--	--	--	--	--	--	--
RW-1	2/20/2020	(NS)	749.42	6.89	0.0	742.530	--	--	--	--	--	--	--
RW-1	9/28/2020	(NS)	749.42	6.90	0.0	742.520	--	--	--	--	--	--	--
RW-1	3/8/2021	(NS)	749.42	6.75	0	742.670	--	--	--	--	--	--	--
RW-1	9/28/2021	(NS)	749.42	6.85	0	742.570	--	--	--	--	--	--	--
RW-1	3/16/2022	(Odor)	749.42	6.79	0	742.630							
RW-1	9/21/2022		749.42	7.18	0	742.240							
RW-1	3/6/2023		749.42	6.63	0	742.790	-	-	-	-	-	-	-
RW-1	10/23/2023		749.42	6.88	0	742.540							
ST-A1-D	9/12/2002		--	5.90	0.02	--	--	--	--	--	--	--	--
ST-A1-D	10/16/2002		--	5.76	0.01	--	--	--	--	--	--	--	--
ST-A1-D	11/20/2002		--	5.71	--	--	--	--	--	--	--	--	--
ST-A1-D	1/30/2003		--	5.06	--	--	--	--	--	--	--	--	--
ST-A1-D	4/18/2003		--	5.31	0.01	--	--	--	--	--	--	--	--
ST-A1-D	8/1/2003		--	5.93	--	--	--	--	--	--	--	--	--
ST-A1-D	10/9/2003		--	6.00	0.01	--	--	--	--	--	--	--	--
ST-A1-D	2/19/2004		--	5.21	0.01	--	--	--	--	--	--	--	--
ST-A1-D	5/27/2004		--	5.34	--	--	--	--	--	--	--	--	--
ST-A1-D	8/11/2004		--	5.65	--	--	--	--	--	--	--	--	--
ST-A1-D	11/3/2004		--	5.31	--	--	--	--	--	--	--	--	--
ST-A1-D	3/2/2005		--	5.65	--	--	--	--	--	--	--	--	--
ST-A1-D	5/26/2005		--	5.73	--	--	--	--	--	--	--	--	--
ST-A1-D	8/18/2005		--	6.20	--	--	--	--	--	--	--	--	--
ST-A1-D	10/26/2005		--	5.88	--	--	--	--	--	--	--	--	--
ST-A1-D	4/27/2006		--	5.62	--	--	--	--	--	--	--	--	--
ST-A1-D	8/29/2006		--	6.18	--	--	--	--	--	--	--	--	--
ST-A1-D	10/18/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
ST-A1-D	12/6/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A1-D	3/28/2007		--	5.95	--	--	--	--	--	--	--	--	--
ST-A1-D	5/16/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A1-D	9/20/2007		--	6.20	--	--	--	--	--	--	--	--	--
ST-A1-D	12/12/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A1-D	3/26/2008		--	5.72	--	--	--	--	--	--	--	--	--
ST-A1-D	5/28/2008		--	5.64	--	--	--	--	--	--	--	--	--
ST-A1-D	8/20/2008		--	5.93	--	--	--	--	--	--	--	--	--
ST-A1-D	2/11/2009		--	6.14	--	--	--	--	--	--	--	--	--
ST-A1-D	5/20/2009		--	5.96	--	--	--	--	--	--	--	--	--
ST-A1-D	8/5/2009		--	6.25	--	--	--	--	--	--	--	--	--
ST-A1-D	11/11/2009		--	6.02	--	--	--	--	--	--	--	--	--
ST-A1-D	11/19/2009		--	5.86	--	--	--	--	--	--	--	--	--
ST-A1-I	9/12/2002		--	5.97	--	--	--	--	--	--	--	--	--
ST-A1-I	10/16/2002		--	5.87	0.01	--	--	--	--	--	--	--	--
ST-A1-I	11/20/2002		--	5.78	--	--	--	--	--	--	--	--	--
ST-A1-I	1/30/2003		--	5.12	--	--	--	--	--	--	--	--	--
ST-A1-I	4/18/2003		--	5.38	0.01	--	--	--	--	--	--	--	--
ST-A1-I	8/1/2003		--	6.01	--	--	--	--	--	--	--	--	--
ST-A1-I	10/9/2003		--	6.08	0.01	--	--	--	--	--	--	--	--
ST-A1-I	2/19/2004		--	5.26	0.01	--	--	--	--	--	--	--	--
ST-A1-I	5/27/2004		--	5.45	--	--	--	--	--	--	--	--	--
ST-A1-I	8/11/2004		--	5.72	--	--	--	--	--	--	--	--	--
ST-A1-I	11/3/2004		--	5.28	--	--	--	--	--	--	--	--	--
ST-A1-I	3/2/2005		--	5.71	--	--	--	--	--	--	--	--	--
ST-A1-I	5/26/2005		--	5.81	--	--	--	--	--	--	--	--	--
ST-A1-I	8/18/2005		--	6.29	--	--	--	--	--	--	--	--	--
ST-A1-I	10/26/2005		--	5.96	0.01	--	--	--	--	--	--	--	--
ST-A1-I	4/27/2006		--	5.70	--	--	--	--	--	--	--	--	--
ST-A1-I	8/29/2006		--	6.28	--	--	--	--	--	--	--	--	--
ST-A1-I	10/18/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A1-I	12/6/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A1-I	3/28/2007		--	6.05	--	--	--	--	--	--	--	--	--
ST-A1-I	5/16/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A1-I	9/20/2007		--	6.29	--	--	--	--	--	--	--	--	--
ST-A1-I	12/12/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A1-I	3/26/2008		--	5.79	--	--	--	--	--	--	--	--	--
ST-A1-I	5/28/2008		--	5.71	--	--	--	--	--	--	--	--	--
ST-A1-I	8/20/2008		--	6.01	--	--	--	--	--	--	--	--	--
ST-A1-I	2/11/2009		--	6.03	--	--	--	--	--	--	--	--	--
ST-A1-I	5/20/2009		--	6.02	--	--	--	--	--	--	--	--	--
ST-A1-I	8/5/2009		--	6.33	--	--	--	--	--	--	--	--	--
ST-A1-I	11/11/2009		--	6.11	--	--	--	--	--	--	--	--	--
ST-A1-I	11/19/2009		--	5.96	--	--	--	--	--	--	--	--	--
ST-A1-S	9/12/2002		--	5.90	--	--	--	--	--	--	--	--	--
ST-A1-S	10/16/2002		--	5.80	0.01	--	--	--	--	--	--	--	--
ST-A1-S	11/20/2002		--	5.71	--	--	--	--	--	--	--	--	--
ST-A1-S	1/30/2003		--	5.07	--	--	--	--	--	--	--	--	--
ST-A1-S	4/18/2003		--	5.31	0.01	--	--	--	--	--	--	--	--
ST-A1-S	8/1/2003		--	5.94	--	--	--	--	--	--	--	--	--
ST-A1-S	10/9/2003		--	5.98	0.01	--	--	--	--	--	--	--	--
ST-A1-S	2/19/2004		--	5.21	0.01	--	--	--	--	--	--	--	--
ST-A1-S	5/27/2004		--	5.38	--	--	--	--	--	--	--	--	--
ST-A1-S	8/11/2004		--	5.65	--	--	--	--	--	--	--	--	--
ST-A1-S	11/4/2004		--	5.24	--	--	--	--	--	--	--	--	--
ST-A1-S	3/2/2005		--	5.64	0.01	--	--	--	--	--	--	--	--
ST-A1-S	5/26/2005		--	5.74	--	--	--	--	--	--	--	--	--
ST-A1-S	8/18/2005		--	6.18	--	--	--	--	--	--	--	--	--
ST-A1-S	10/26/2005		--	5.89	0.01	--	--	--	--	--	--	--	--
ST-A1-S	4/27/2006		--	5.68	--	--	--	--	--	--	--	--	--
ST-A1-S	8/29/2006		--	6.31	--	--	--	--	--	--	--	--	--
ST-A1-S	10/18/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A1-S	12/6/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A1-S	3/28/2007		--	5.97	--	--	--	--	--	--	--	--	--
ST-A1-S	5/16/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A1-S	9/20/2007		--	6.18	--	--	--	--	--	--	--	--	--
ST-A1-S	12/12/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A1-S	3/26/2008		--	5.71	--	--	--	--	--	--	--	--	--
ST-A1-S	5/28/2008		--	5.65	--	--	--	--	--	--	--	--	--
ST-A1-S	8/20/2008		--	5.93	--	--	--	--	--	--	--	--	--
ST-A1-S	2/11/2009		--	5.93	--	--	--	--	--	--	--	--	--
ST-A1-S	5/20/2009		--	5.92	--	--	--	--	--	--	--	--	--
ST-A1-S	8/5/2009		--	6.24	--	--	--	--	--	--	--	--	--
ST-A1-S	11/11/2009		--	6.08	--	--	--	--	--	--	--	--	--
ST-A1-S	11/19/2009		--	5.88	--	--	--	--	--	--	--	--	--
ST-A2-D	9/12/2002		--	5.60	--	--	--	--	--	--	--	--	--
ST-A2-D	10/16/2002		--	5.52	0.01	--	--	--	--	--	--	--	--
ST-A2-D	11/20/2002		--	5.43	--	--	--	--	--	--	--	--	--
ST-A2-D	1/30/2003		--	4.78	-0.01	--	--	--	--	--	--	--	--
ST-A2-D	4/18/2003		--	5.02	0.01	--	--	--	--	--	--	--	--
ST-A2-D	8/1/2003		--	5.67	--	--	--	--	--	--	--	--	--
ST-A2-D	10/9/2003		--	5.71	0.01	--	--	--	--	--	--	--	--
ST-A2-D	2/19/2004		--	4.91	0.01	--	--	--	--	--	--	--	--
ST-A2-D	5/27/2004		--	5.10	--	--	--	--	--	--	--	--	--
ST-A2-D	8/11/2004		--	5.37	--	--	--	--	--	--	--	--	--
ST-A2-D	11/3/2004		--	5.38	--	--	--	--	--	--	--	--	--
ST-A2-D	3/2/2005		--	5.36	--	--	--	--	--	--	--	--	--
ST-A2-D	5/26/2005		--	5.49	0.01	--	--	--	--	--	--	--	--
ST-A2-D	8/18/2005		--	5.91	--	--	--	--	--	--	--	--	--
ST-A2-D	10/26/2005		--	5.59	--	--	--	--	--	--	--	--	--
ST-A2-D	4/27/2006		--	5.36	--	--	--	--	--	--	--	--	--
ST-A2-D	8/29/2006		--	5.90	--	--	--	--	--	--	--	--	--
ST-A2-D	10/18/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A2-D	12/6/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A2-D	3/28/2007		--	5.71	--	--	--	--	--	--	--	--	--
ST-A2-D	5/16/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A2-D	9/20/2007		--	5.97	--	--	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
ST-A2-D	12/12/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A2-D	3/26/2008		--	5.70	--	--	--	--	--	--	--	--	--
ST-A2-D	5/28/2008		--	5.37	--	--	--	--	--	--	--	--	--
ST-A2-D	8/20/2008		--	5.65	--	--	--	--	--	--	--	--	--
ST-A2-D	2/11/2009		--	5.67	--	--	--	--	--	--	--	--	--
ST-A2-D	5/20/2009		--	5.66	--	--	--	--	--	--	--	--	--
ST-A2-D	8/5/2009		--	5.99	--	--	--	--	--	--	--	--	--
ST-A2-D	11/11/2009		--	5.79	--	--	--	--	--	--	--	--	--
ST-A2-D	11/19/2009		--	5.64	--	--	--	--	--	--	--	--	--
ST-A2-I	9/12/2002		--	5.63	0.01	--	--	--	--	--	--	--	--
ST-A2-I	10/16/2002		--	5.54	0.01	--	--	--	--	--	--	--	--
ST-A2-I	11/20/2002		--	5.45	--	--	--	--	--	--	--	--	--
ST-A2-I	1/30/2003		--	4.81	--	--	--	--	--	--	--	--	--
ST-A2-I	4/18/2003		--	5.05	0.01	--	--	--	--	--	--	--	--
ST-A2-I	8/1/2003		--	5.71	--	--	--	--	--	--	--	--	--
ST-A2-I	10/9/2003		--	5.58	0.01	--	--	--	--	--	--	--	--
ST-A2-I	2/19/2004		--	4.78	0.01	--	--	--	--	--	--	--	--
ST-A2-I	5/27/2004		--	4.98	--	--	--	--	--	--	--	--	--
ST-A2-I	8/11/2004		--	5.23	--	--	--	--	--	--	--	--	--
ST-A2-I	11/3/2004		--	5.34	--	--	--	--	--	--	--	--	--
ST-A2-I	3/2/2005		--	5.24	--	--	--	--	--	--	--	--	--
ST-A2-I	5/26/2005		--	5.35	--	--	--	--	--	--	--	--	--
ST-A2-I	8/18/2005		--	5.77	--	--	--	--	--	--	--	--	--
ST-A2-I	10/26/2005		--	5.45	--	--	--	--	--	--	--	--	--
ST-A2-I	4/27/2006		--	5.23	--	--	--	--	--	--	--	--	--
ST-A2-I	8/29/2006		--	5.87	--	--	--	--	--	--	--	--	--
ST-A2-I	10/18/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A2-I	12/6/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A2-I	3/28/2007		--	5.76	--	--	--	--	--	--	--	--	--
ST-A2-I	5/16/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A2-I	9/20/2007		--	6.00	--	--	--	--	--	--	--	--	--
ST-A2-I	12/12/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A2-I	3/26/2008		--	5.51	--	--	--	--	--	--	--	--	--
ST-A2-I	5/28/2008		--	5.41	--	--	--	--	--	--	--	--	--
ST-A2-I	8/20/2008		--	5.68	--	--	--	--	--	--	--	--	--
ST-A2-I	2/12/2009		--	5.75	--	--	--	--	--	--	--	--	--
ST-A2-I	5/20/2009		--	5.72	--	--	--	--	--	--	--	--	--
ST-A2-I	8/5/2009		--	6.04	--	--	--	--	--	--	--	--	--
ST-A2-I	11/11/2009		--	5.80	--	--	--	--	--	--	--	--	--
ST-A2-I	11/19/2009		--	5.66	--	--	--	--	--	--	--	--	--
ST-A2-S	9/12/2002		--	5.46	0.01	--	--	--	--	--	--	--	--
ST-A2-S	10/16/2002		--	5.37	0.01	--	--	--	--	--	--	--	--
ST-A2-S	11/20/2002		--	5.29	--	--	--	--	--	--	--	--	--
ST-A2-S	1/30/2003		--	4.64	--	--	--	--	--	--	--	--	--
ST-A2-S	4/18/2003		--	4.88	0.01	--	--	--	--	--	--	--	--
ST-A2-S	8/1/2003		--	5.54	--	--	--	--	--	--	--	--	--
ST-A2-S	10/9/2003		--	5.75	0.01	--	--	--	--	--	--	--	--
ST-A2-S	2/19/2004		--	4.94	0.01	--	--	--	--	--	--	--	--
ST-A2-S	5/27/2004		--	5.12	--	--	--	--	--	--	--	--	--
ST-A2-S	8/11/2004		--	5.40	--	--	--	--	--	--	--	--	--
ST-A2-S	11/3/2004		--	5.46	--	--	--	--	--	--	--	--	--
ST-A2-S	3/2/2005		--	5.40	--	--	--	--	--	--	--	--	--
ST-A2-S	5/26/2005		--	5.53	--	--	--	--	--	--	--	--	--
ST-A2-S	8/18/2005		--	4.94	--	--	--	--	--	--	--	--	--
ST-A2-S	10/26/2005		--	5.62	--	--	--	--	--	--	--	--	--
ST-A2-S	4/27/2006		--	5.40	--	--	--	--	--	--	--	--	--
ST-A2-S	8/29/2006		--	5.97	--	--	--	--	--	--	--	--	--
ST-A2-S	10/18/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A2-S	12/6/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A2-S	3/28/2007		--	5.62	--	--	--	--	--	--	--	--	--
ST-A2-S	5/16/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A2-S	9/20/2007		--	5.80	--	--	--	--	--	--	--	--	--
ST-A2-S	12/12/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A2-S	3/26/2008		--	5.35	--	--	--	--	--	--	--	--	--
ST-A2-S	5/28/2008		--	5.23	--	--	--	--	--	--	--	--	--
ST-A2-S	8/20/2008		--	5.52	--	--	--	--	--	--	--	--	--
ST-A2-S	2/11/2009		--	5.57	--	--	--	--	--	--	--	--	--
ST-A2-S	5/20/2009		--	5.55	--	--	--	--	--	--	--	--	--
ST-A2-S	8/5/2009		--	5.87	--	--	--	--	--	--	--	--	--
ST-A2-S	11/11/2009		--	5.67	--	--	--	--	--	--	--	--	--
ST-A2-S	11/19/2009		--	5.50	--	--	--	--	--	--	--	--	--
ST-A3-D	9/12/2002		--	5.59	--	--	--	--	--	--	--	--	--
ST-A3-D	10/16/2002		--	5.51	0.01	--	--	--	--	--	--	--	--
ST-A3-D	11/20/2002		--	5.42	--	--	--	--	--	--	--	--	--
ST-A3-D	1/30/2003		--	4.78	--	--	--	--	--	--	--	--	--
ST-A3-D	4/18/2003		--	5.03	0.01	--	--	--	--	--	--	--	--
ST-A3-D	8/1/2003		--	5.67	--	--	--	--	--	--	--	--	--
ST-A3-D	10/9/2003		--	5.71	0.01	--	--	--	--	--	--	--	--
ST-A3-D	2/19/2004		--	4.91	0.01	--	--	--	--	--	--	--	--
ST-A3-D	5/27/2004		--	5.09	--	--	--	--	--	--	--	--	--
ST-A3-D	8/11/2004		--	5.38	--	--	--	--	--	--	--	--	--
ST-A3-D	11/3/2004		--	5.56	--	--	--	--	--	--	--	--	--
ST-A3-D	3/2/2005		--	5.38	--	--	--	--	--	--	--	--	--
ST-A3-D	5/26/2005		--	5.51	--	--	--	--	--	--	--	--	--
ST-A3-D	8/18/2005		--	5.92	--	--	--	--	--	--	--	--	--
ST-A3-D	10/26/2005		--	5.59	--	--	--	--	--	--	--	--	--
ST-A3-D	4/27/2006		--	5.40	--	--	--	--	--	--	--	--	--
ST-A3-D	8/29/2006		--	5.93	--	--	--	--	--	--	--	--	--
ST-A3-D	10/18/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A3-D	12/6/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A3-D	3/28/2007		--	5.74	--	--	--	--	--	--	--	--	--
ST-A3-D	5/16/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A3-D	9/20/2007		--	5.99	--	--	--	--	--	--	--	--	--
ST-A3-D	12/12/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A3-D	3/26/2008		--	5.50	--	--	--	--	--	--	--	--	--
ST-A3-D	5/28/2008		--	5.26	--	--	--	--	--	--	--	--	--
ST-A3-D	8/20/2008		--	5.65	--	--	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
ST-A3-D	2/11/2009		--	5.70	--	--	--	--	--	--	--	--	--
ST-A3-D	5/20/2009		--	5.68	--	--	--	--	--	--	--	--	--
ST-A3-D	8/5/2009		--	6.02	--	--	--	--	--	--	--	--	--
ST-A3-D	11/11/2009		--	5.81	--	--	--	--	--	--	--	--	--
ST-A3-D	11/19/2009		--	5.66	--	--	--	--	--	--	--	--	--
ST-A3-I	9/12/2002		--	5.43	--	--	--	--	--	--	--	--	--
ST-A3-I	10/16/2002		--	5.34	0.01	--	--	--	--	--	--	--	--
ST-A3-I	11/20/2002		--	5.25	--	--	--	--	--	--	--	--	--
ST-A3-I	1/30/2003		--	4.60	--	--	--	--	--	--	--	--	--
ST-A3-I	4/18/2003		--	4.83	--	--	--	--	--	--	--	--	--
ST-A3-I	8/1/2003		--	5.50	--	--	--	--	--	--	--	--	--
ST-A3-I	10/9/2003		--	5.54	0.01	--	--	--	--	--	--	--	--
ST-A3-I	2/19/2004		--	4.73	0.01	--	--	--	--	--	--	--	--
ST-A3-I	5/27/2004		--	4.92	--	--	--	--	--	--	--	--	--
ST-A3-I	8/11/2004		--	5.19	--	--	--	--	--	--	--	--	--
ST-A3-I	11/3/2004		--	5.53	--	--	--	--	--	--	--	--	--
ST-A3-I	3/2/2005		--	5.19	--	--	--	--	--	--	--	--	--
ST-A3-I	5/26/2005		--	5.31	--	--	--	--	--	--	--	--	--
ST-A3-I	8/18/2005		--	5.75	--	--	--	--	--	--	--	--	--
ST-A3-I	10/26/2005		--	5.41	--	--	--	--	--	--	--	--	--
ST-A3-I	4/27/2006		--	5.17	--	--	--	--	--	--	--	--	--
ST-A3-I	8/29/2006		--	5.75	--	--	--	--	--	--	--	--	--
ST-A3-I	10/18/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A3-I	12/6/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A3-I	3/28/2007		--	5.56	--	--	--	--	--	--	--	--	--
ST-A3-I	5/16/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A3-I	9/20/2007		--	5.67	--	--	--	--	--	--	--	--	--
ST-A3-I	12/12/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A3-I	3/26/2008		--	5.31	--	--	--	--	--	--	--	--	--
ST-A3-I	5/28/2008		--	5.18	--	--	--	--	--	--	--	--	--
ST-A3-I	8/20/2008		--	5.47	--	--	--	--	--	--	--	--	--
ST-A3-I	2/11/2009		--	5.50	--	--	--	--	--	--	--	--	--
ST-A3-I	5/20/2009		--	5.51	--	--	--	--	--	--	--	--	--
ST-A3-I	8/5/2009		--	5.83	--	--	--	--	--	--	--	--	--
ST-A3-I	11/11/2009		--	5.63	--	--	--	--	--	--	--	--	--
ST-A3-I	11/19/2009		--	5.48	--	--	--	--	--	--	--	--	--
ST-A3-S	9/12/2002		--	5.30	--	--	--	--	--	--	--	--	--
ST-A3-S	10/16/2002		--	5.20	0.01	--	--	--	--	--	--	--	--
ST-A3-S	11/20/2002		--	5.11	--	--	--	--	--	--	--	--	--
ST-A3-S	1/30/2003		--	4.46	--	--	--	--	--	--	--	--	--
ST-A3-S	4/18/2003		--	4.70	0.01	--	--	--	--	--	--	--	--
ST-A3-S	8/1/2003		--	5.34	--	--	--	--	--	--	--	--	--
ST-A3-S	10/9/2003		--	5.41	0.02	--	--	--	--	--	--	--	--
ST-A3-S	2/19/2004		--	4.59	0.01	--	--	--	--	--	--	--	--
ST-A3-S	5/27/2004		--	4.80	--	--	--	--	--	--	--	--	--
ST-A3-S	8/11/2004		--	5.06	--	--	--	--	--	--	--	--	--
ST-A3-S	11/3/2004		--	5.52	--	--	--	--	--	--	--	--	--
ST-A3-S	3/2/2005		--	5.05	--	--	--	--	--	--	--	--	--
ST-A3-S	5/26/2005		--	5.16	--	--	--	--	--	--	--	--	--
ST-A3-S	8/18/2005		--	5.61	--	--	--	--	--	--	--	--	--
ST-A3-S	10/26/2005		--	5.28	--	--	--	--	--	--	--	--	--
ST-A3-S	4/27/2006		--	5.03	--	--	--	--	--	--	--	--	--
ST-A3-S	8/29/2006		--	5.59	--	--	--	--	--	--	--	--	--
ST-A3-S	10/18/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A3-S	12/6/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A3-S	3/28/2007		--	5.40	--	--	--	--	--	--	--	--	--
ST-A3-S	5/16/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A3-S	9/20/2007		--	5.63	--	--	--	--	--	--	--	--	--
ST-A3-S	12/12/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A3-S	3/26/2008		--	5.39	--	--	--	--	--	--	--	--	--
ST-A3-S	5/28/2008		--	5.06	--	--	--	--	--	--	--	--	--
ST-A3-S	8/20/2008		--	5.34	--	--	--	--	--	--	--	--	--
ST-A3-S	2/11/2009		--	5.36	--	--	--	--	--	--	--	--	--
ST-A3-S	5/20/2009		--	5.34	--	--	--	--	--	--	--	--	--
ST-A3-S	8/5/2009		--	5.69	--	--	--	--	--	--	--	--	--
ST-A3-S	11/11/2009		--	5.46	--	--	--	--	--	--	--	--	--
ST-A3-S	11/19/2009		--	5.30	--	--	--	--	--	--	--	--	--
ST-A4-D	9/12/2002		--	5.61	--	--	--	--	--	--	--	--	--
ST-A4-D	10/16/2002		--	5.57	0.01	--	--	--	--	--	--	--	--
ST-A4-D	11/20/2002		--	5.49	--	--	--	--	--	--	--	--	--
ST-A4-D	1/30/2003		--	5.01	--	--	--	--	--	--	--	--	--
ST-A4-D	4/18/2003		--	5.08	0.01	--	--	--	--	--	--	--	--
ST-A4-D	8/1/2003		--	5.70	--	--	--	--	--	--	--	--	--
ST-A4-D	10/9/2003		--	5.77	0.01	--	--	--	--	--	--	--	--
ST-A4-D	2/19/2004		--	4.97	0.01	--	--	--	--	--	--	--	--
ST-A4-D	5/27/2004		--	5.19	--	--	--	--	--	--	--	--	--
ST-A4-D	8/11/2004		--	5.43	--	--	--	--	--	--	--	--	--
ST-A4-D	11/3/2004		--	5.54	0.01	--	--	--	--	--	--	--	--
ST-A4-D	3/2/2005		--	5.41	--	--	--	--	--	--	--	--	--
ST-A4-D	5/26/2005		--	5.51	--	--	--	--	--	--	--	--	--
ST-A4-D	8/18/2005		--	5.97	--	--	--	--	--	--	--	--	--
ST-A4-D	10/26/2005		--	5.64	--	--	--	--	--	--	--	--	--
ST-A4-D	4/27/2006		--	5.39	--	--	--	--	--	--	--	--	--
ST-A4-D	8/29/2006		--	5.94	--	--	--	--	--	--	--	--	--
ST-A4-D	10/18/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A4-D	12/6/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A4-D	3/28/2007		--	5.75	--	--	--	--	--	--	--	--	--
ST-A4-D	5/16/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A4-D	9/20/2007		--	6.00	--	--	--	--	--	--	--	--	--
ST-A4-D	12/12/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A4-D	3/26/2008		--	5.50	--	--	--	--	--	--	--	--	--
ST-A4-D	5/28/2008		--	5.43	--	--	--	--	--	--	--	--	--
ST-A4-D	8/20/2008		--	5.72	--	--	--	--	--	--	--	--	--
ST-A4-D	2/11/2009		--	5.75	--	--	--	--	--	--	--	--	--
ST-A4-D	5/20/2009		--	5.71	--	--	--	--	--	--	--	--	--
ST-A4-D	8/5/2009		--	6.04	--	--	--	--	--	--	--	--	--
ST-A4-D	11/11/2009		--	5.81	--	--	--	--	--	--	--	--	--

APPENDIX A
Historic Groundwater Gauging Data and Analytical Results
Manhole 34
Vicinity N. 6th St. Yakima Valley Hwy. Sunnyside, WA 98944
All analytical results are presented in micrograms per liter (µg/L)

Well	Date	Notes	TOC	DTW	NAPL	GWE	GRO	DRO	HO	Benzene	Toluene	Ethylbenzene	Total
Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs) in µg/L							**800/1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**
ST-A4-D	11/19/2009		--	5.67	--	--	--	--	--	--	--	--	--
ST-A4-I	9/12/2002		--	5.61	--	--	--	--	--	--	--	--	--
ST-A4-I	10/16/2002		--	5.40	0.01	--	--	--	--	--	--	--	--
ST-A4-I	11/20/2002		--	5.43	--	--	--	--	--	--	--	--	--
ST-A4-I	1/30/2003		--	4.94	--	--	--	--	--	--	--	--	--
ST-A4-I	4/18/2003		--	5.01	--	--	--	--	--	--	--	--	--
ST-A4-I	8/1/2003		--	5.67	--	--	--	--	--	--	--	--	--
ST-A4-I	10/9/2003		--	5.72	0.01	--	--	--	--	--	--	--	--
ST-A4-I	2/19/2004		--	4.88	0.01	--	--	--	--	--	--	--	--
ST-A4-I	5/27/2004		--	5.11	--	--	--	--	--	--	--	--	--
ST-A4-I	8/11/2004		--	5.38	--	--	--	--	--	--	--	--	--
ST-A4-I	11/3/2004		--	5.52	--	--	--	--	--	--	--	--	--
ST-A4-I	3/2/2005		--	5.36	--	--	--	--	--	--	--	--	--
ST-A4-I	5/26/2005		--	5.50	--	--	--	--	--	--	--	--	--
ST-A4-I	8/18/2005		--	5.92	--	--	--	--	--	--	--	--	--
ST-A4-I	10/26/2005		--	5.59	--	--	--	--	--	--	--	--	--
ST-A4-I	4/27/2006		--	5.36	--	--	--	--	--	--	--	--	--
ST-A4-I	8/29/2006		--	5.95	--	--	--	--	--	--	--	--	--
ST-A4-I	10/18/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A4-I	12/6/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A4-I	3/28/2007		--	5.75	--	--	--	--	--	--	--	--	--
ST-A4-I	5/16/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A4-I	9/20/2007		--	5.98	--	--	--	--	--	--	--	--	--
ST-A4-I	12/12/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A4-I	3/26/2008		--	5.48	--	--	--	--	--	--	--	--	--
ST-A4-I	5/28/2008		--	5.35	--	--	--	--	--	--	--	--	--
ST-A4-I	8/20/2008		--	5.66	--	--	--	--	--	--	--	--	--
ST-A4-I	2/11/2009		--	5.72	--	--	--	--	--	--	--	--	--
ST-A4-I	5/20/2009		--	5.69	--	--	--	--	--	--	--	--	--
ST-A4-I	8/5/2009		--	6.05	--	--	--	--	--	--	--	--	--
ST-A4-I	11/11/2009		--	5.80	--	--	--	--	--	--	--	--	--
ST-A4-I	11/19/2009		--	5.65	--	--	--	--	--	--	--	--	--
ST-A4-S	9/12/2002		--	5.50	--	--	--	--	--	--	--	--	--
ST-A4-S	10/16/2002		--	5.52	0.01	--	--	--	--	--	--	--	--
ST-A4-S	11/20/2002		--	5.31	--	--	--	--	--	--	--	--	--
ST-A4-S	1/30/2003		--	4.62	--	--	--	--	--	--	--	--	--
ST-A4-S	4/18/2003		--	4.88	0.01	--	--	--	--	--	--	--	--
ST-A4-S	8/1/2003		--	5.56	--	--	--	--	--	--	--	--	--
ST-A4-S	10/9/2003		--	5.62	0.01	--	--	--	--	--	--	--	--
ST-A4-S	2/19/2004		--	4.79	0.01	--	--	--	--	--	--	--	--
ST-A4-S	5/27/2004		--	5.01	--	--	--	--	--	--	--	--	--
ST-A4-S	8/11/2004		--	5.26	--	--	--	--	--	--	--	--	--
ST-A4-S	11/3/2004		--	5.56	0.01	--	--	--	--	--	--	--	--
ST-A4-S	3/2/2005		--	5.25	--	--	--	--	--	--	--	--	--
ST-A4-S	5/26/2005		--	5.36	--	--	--	--	--	--	--	--	--
ST-A4-S	8/18/2005		--	5.82	--	--	--	--	--	--	--	--	--
ST-A4-S	10/26/2005		--	5.48	--	--	--	--	--	--	--	--	--
ST-A4-S	4/27/2006		--	5.22	--	--	--	--	--	--	--	--	--
ST-A4-S	8/29/2006		--	5.90	--	--	--	--	--	--	--	--	--
ST-A4-S	10/18/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A4-S	12/6/2006	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A4-S	3/28/2007		--	5.58	--	--	--	--	--	--	--	--	--
ST-A4-S	5/16/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A4-S	9/20/2007		--	5.80	--	--	--	--	--	--	--	--	--
ST-A4-S	12/12/2007	(NM)	--	--	--	--	--	--	--	--	--	--	--
ST-A4-S	3/26/2008		--	5.34	--	--	--	--	--	--	--	--	--
ST-A4-S	5/28/2008		--	5.24	--	--	--	--	--	--	--	--	--
ST-A4-S	8/20/2008		--	5.55	--	--	--	--	--	--	--	--	--
ST-A4-S	2/11/2009		--	5.57	--	--	--	--	--	--	--	--	--
ST-A4-S	5/20/2009		--	5.54	--	--	--	--	--	--	--	--	--
ST-A4-S	8/5/2009		--	5.90	--	--	--	--	--	--	--	--	--
ST-A4-S	11/11/2009		--	5.66	--	--	--	--	--	--	--	--	--
ST-A4-S	11/19/2009		--	5.50	--	--	--	--	--	--	--	--	--

TOC = Top of casing in feet North American Vertical Datum of 1988 (NAVD 88)
DTW = Depth to water in feet below TOC
NAPL = Non-aqueous phase liquid thickness in feet
GWE = Groundwater elevation in feet NAVD 88
GRO = Total petroleum hydrocarbons - gasoline range organics
DRO = Total petroleum hydrocarbons - diesel range organics
HO = Total petroleum hydrocarbons - heavy oil range organics
MTBE = Methyl tertiary butyl ether
EDB = Ethylene dibromide
EDC = 1,2-Dichloroethane
J = estimated value – The result is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)
SE = Sample results are suspected erroneous due to field or laboratory interchange or contamination
B = analyte is found in the associated blank
Q = sample was prepared and/or analyzed past holding time as defined by the method. Concentrations should be considered minimum values.
NP = No purge sample
P2 = Sample received without chemical preservation, but preserved by the laboratory

If NAPL is present, the GWE is corrected according to the following formula (TOC elevation - depth to water) + (0.8 x NAPL thickness)
Data collected prior to 2010 have been provided by previous consultants and are included as historical reference only
GRO, DRO, HO analyzed by Ecology Northwest Methods; Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by 8260B U.S. Environmental Protection Agency
BOLD = constituent detected above MTCA Cleanup Levels
800/1,000 = GRO MTCA Method A CUL with benzene present is 800 µg/L and without is 1,000 µg/L
-- = Not analyzed/not applicable
NA= Not Analyzed
NS = Not sampled
LF/LFP = Low flow (purge) sample
ABD = Abandoned
< = Analytical result is less than reporting limit shown
^ = Instrument related QC exceeds the control limits
P = Purge sample
DUP = Duplicate sample
Wells were resurveyed in 2010 and are referenced to vertical datum NAVD 88 and horizontal datum NAD 83/98
Site wells were gauged on March 8 and September 28, 2021.

APPENDIX B

GROUNDWATER SAMPLING FIELD DATA SHEETS

WELL GAUGING DATA

Project # 230306-FD1 Date 03/06/23 Client PARSONS

Site 6th st & Yakima Valley Hwy Sunnyside, WA.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or [✓ TOC]	Notes
MW-1	1329	2	—	—	—	—	6.12	18.08	↓	
MW-2	1325	2	—	—	—	—	6.09	16.49		
MW-3	1323	2	—	—	—	—	6.71	18.62		SOCK
MW-4	1319	2	odor	~~odor~~ FO	—	—	4.22	17.74		SOCK
MW-8	1235	2	—	—	—	—	6.02	16.62		
MW-9	1327	2	—	—	—	—	6.03	17.04		
MW-10	1230	2	—	—	—	—	7.33	16.65		SOCK
MW-11	1242	2	—	—	—	—	5.57	16.75		
MW-12	1256	2	—	—	—	—	7.63	17.25		
MW-15	1253	2	—	—	—	—	5.72	13.86		
MW-16	1247	2	—	—	—	—	8.00	13.50		
MW-17	1330	2	—	—	—	—	5.22	15.50		
MW-18	1333	2	—	—	—	—	6.15	13.50		
MW-19	1337	4	—	—	—	—	5.62	13.72		
MW-20			Unable	to	locate	wells				*
MW-21	1244	4	—	—	—	—	6.08	15.45		
MW-22	1336	4	—	—	—	—	6.02	15.70	↓	

*unable to locate, road construction

WELL GAUGING DATA

Project # 230306-FD1 Date 03|06|23 Client PARSONS

Site SUNNYSIDE, WA.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or [✓ TOC]	Notes
MW-23	1339	4	—	—	—	—	6.31	15.80	↓	
MW-24	—	—	—	unable to locate well			—	—		
MW-25	1341	4	—	—	—	—	5.93	14.85		
MW-26	1344	4	—	—	—	—	6.30	15.15		
MW-27	1355	4	—	—	—	—	9.22	18.72		
MW-28	1303	—	—	UNABLE TO ACCESS			—	—		**
MW-29	1405	—	—	unable to locate well			—	—		
MW-30	1307	4	—	—	—	—	6.30	18.78		
MW-31	1401	4	—	—	—	—	6.08	18.48		
MW-32	1305	4	—	—	—	—	5.78	18.71		
MW-33	1359	4	—	—	—	—	4.97	18.80		
MW-39	1311	2	—	—	—	—	6.22	13.63		
MW-40	1314	2	—	—	—	—	5.52	12.85		
MW-41	—	—	unable to locate well				—	—		
MW-42	1309	2	—	—	—	—	6.05	13.77		
DMW-1	1348	2	—	—	—	—	6.23	18.61		
DMW-2	1351	2	—	—	—	—	6.67	19.95	↓	

** lid is stuck on well

WELL GAUGING DATA

Project # 230306-FD1 Date 03/06/23 Client PARSONS

Site SUNNYSIDE, WA.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or [✓ TOC]	Notes
DMW-3	1352	2	—				6.39	19.50		
DMW-4	1311	unable to locate								*
DMW-5	1309	2	—	—	—	—	6.31 ~~6~~ 0 FD	18.85		
DMW-6	1349	2	—	—	—	—	6.43	18.68		
RW-1	1321	4	odor	—	—	—	6.63	18.80		
AI/NE-2	1307	2	—	—	—	—	6.19	25.55	↓	

*road construction, well possibly destroyed

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-F01	Client: Parsons
Sampler: DO	Gauging Date: 3/6/23
Well I.D.: MW-1	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 18.08	Depth to Water (ft.) : 6.12
Depth to Free Product: ——	Thickness of Free Product (feet): ——
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other______

Start Purge Time: 1106 Flow Rate: 200 mL/min Pump Depth: 12ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1109	11.44	7.66	1.748	19	3.28	-46.1	600	6.20
1112	11.53	7.64	1.827	19	3.90	-56.2	1200	6.26
1115	11.72	7.56	1.849	20	3.40	-61.7	1800	6.31
1118	11.73	7.55	1.852	19	3.37	-67.4	2400	6.34
1121	11.73	7.53	1.853	19	3.38	-68.1	3000	6.39

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1124	Sampling Date: 3/7/23
Sample I.D.: ~~MW-1-0306~~ DO MW-1-03072023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: —— @ Time	Duplicate I.D.: ——

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-F01	Client:
Sampler: DO	Gauging Date: 3/6/23
Well I.D.: MW-2	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 16.49	Depth to Water (ft.) : 6.09
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other______________

Start Purge Time: 1144 Flow Rate: 200 mL/min Pump Depth: 11 Ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1147	11.14	7.48	1.848	27	0.36	-49.5	~~800~~ 600	6.09
1150	11.39	7.50	1.860	23	0.31	-53.8	1200	6.09
1153	11.80	7.54	1.860	20	0.27	-61.4	1800	6.09
1156	11.77	7.55	1.873	20	6.28	-63.0	2400	6.09
1159	11.81	7.55	1.876	19	0.29	-66.1	3000	6.09

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1202	Sampling Date: 3/7/23
Sample I.D.: MW-2-03072023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: — @ Time	Duplicate I.D.: —

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-F01

Client: Parsons

Sampler: FD

Gauging Date: 03/06/23

Well I.D.: MW-3

Well Diameter (in.) : [✓ 2] 3 4 6 8 ____

Total Well Depth (ft.) : 18.62

Depth to Water (ft.) : 6.71

Depth to Free Product: —

Thickness of Free Product (feet): —

Referenced to: [✓ PVC] Grade

Flow Cell Type: YSI556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other______________

Start Purge Time: 1154

Flow Rate: 200ml/min

Pump Depth: 13 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1157	8.99	7.00	0.273	42	1.81	-294.7	600	6.77
1200	8.99	7.29	0.272	43	1.41	-318.3	1200	6.78
1203	9.09	7.38	0.272	41	0.99	-334.7	1800	6.80
1206	9.08	7.40	0.273	40	0.91	-335.5	2400	6.80
1209	9.06	7.40	0.273	40	0.89	-335.8	3000	6.80

Did well dewater? Yes [✓ No]

Amount actually evacuated: 3000mL

Sampling Time: 1210

Sampling Date: 03/07/23

Sample I.D.: MW-3-03072023

Laboratory: PACE

Analyzed for: TPH-G BTEX MTBE TPH-D [✓ Other:] SEE COC

Equipment Blank I.D.: @ Time

Duplicate I.D.:

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FO1	Client: Parsons
Sampler: FO	Gauging Date: 03/06/23
Well I.D.: MW-4	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 17.74	Depth to Water (ft.) : 4.22
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: Dedicated Tubing [✓ New Tubing] Other______________

Start Purge Time: 1117 Flow Rate: 200 mL/min Pump Depth: 12 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1120	9.06	7.40	0.458	21	0.85	-318.8	600	4.27
1123	9.02	7.39	0.458	19	0.82	-319.9	1200	4.27
1126	8.94	7.39	0.458	19	0.60	-327.1	1800	4.27
1129	8.91	7.40	0.458	19	0.59	-327.2	2400	4.29
1132	8.88	7.40	0.458	19	0.58	-327.4	3000	4.29

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000 mL
Sampling Time: 1134	Sampling Date: 03/07/23
Sample I.D.: MW-4-03072023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	[✓ Other:] SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230307-FD1	Client: Parsons
Sampler: OO	Gauging Date: 3/6/23
Well I.D.: MW-8	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 16.62	Depth to Water (ft.) : 6.02
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 1018 Flow Rate: 200 mL/min. Pump Depth: 11.5 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1021	10.83	7.78	1.241	53	0.92	-68.8	600	6.07
1024	11.55	7.79	1.267	57	0.36	-79.8	1200	6.11
1027	11.68	7.78	1.276	61	0.28	-82.7	1800	6.16
1030	11.61	7.86	1.274	59	0.23	-83.4	2400	6.23
1033	11.59	7.87	1.272	58	0.22	-84.6	3000	6.27

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1036	Sampling Date: 3/7/23
Sample I.D.: ~~MW-8-0306~~ MW-8-03072023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: ______ @ ______ Time	Duplicate I.D.: —

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: FD	Gauging Date: 03/06/23
Well I.D.: MW-10	Well Diameter (in.) : 2 3 4 6 8 ____
Total Well Depth (ft.) : 16.65	Depth to Water (ft.) : 7.33
Depth to Free Product: ——	Thickness of Free Product (feet): ——
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 1559 Flow Rate: 200mL/min Pump Depth: 11ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1602	8.41	7.57	0.268	14	1.12	-320.9	~~3000~~ FD 600	7.38
1605	8.57	7.57	0.268	13	1.06	-319.0	1200	7.38
1608	8.82	7.53	0.268	13	0.86	-315.2	1800	7.40
1611	8.79	7.53	0.268	13	0.85	-314.4	2400	7.40
1614	8.75	7.54	0.268	13	0.83	-313.8	3000	7.40

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000mL
Sampling Time: 1615	Sampling Date: 03/06/23
Sample I.D.: MW-10-03062023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	[✓ Other:] SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client:
Sampler: DO	Gauging Date: 3/6/23
Well I.D.: MW-11	Well Diameter (in.) : 2 3 4 6 8 ____
Total Well Depth (ft.) : 16.75	Depth to Water (ft.) : 5.57
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 16:43 Flow Rate: 200 mL/min Pump Depth: 10.5 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1646	11.39	7.19	2.098	79	0.36	-65.9	600	6.00
1649	12.00	7.25	2.137	71	0.28	-71.6	1200	6.00
1652	11.99	7.27	2.125	64	0.41	-75.6	1800	6.00
1655	12.02	7.28	2.126	62	0.41	-76.7	2400	6.00
1658	12.07	7.28	2.128	61	0.42	-78.3	3000	6.00

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1701	Sampling Date: 3/6/23
Sample I.D.: MW-11 ~~-[illegible]~~ 00 03062023	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: ____ @ Time	Duplicate I.D.: —

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: PARSONS
Sampler: FD	Gauging Date: 03/06/23
Well I.D.: MW-12	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 17.25	Depth to Water (ft.) : 7.63
Depth to Free Product: ~~17.2~~5 FO	Thickness of Free Product (feet): ——
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____

Start Purge Time: 1505 Flow Rate: 200mL/min Pump Depth: 12 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1508	8.85	7.20	0.349	17	2.68	-282.4	600	7.68
1511	9.27	7.15	0.350	17	1.96	-312.4	1200	7.70
1514	9.00	7.13	0.349	16	1.71	-312.6	1800	7.70
1517	9.03	7.14	0.347	16	1.68	-313.8	2400	7.70
1520	9.06		0.346	16	1.61	-314.2	3000	7.70

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000mL
Sampling Time: 1521	Sampling Date: 03/06/23
Sample I.D.: MW-12-03062023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	[✓ Other:] SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: DO	Gauging Date: 3/6/23
Well I.D.: MW-16	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 13.50	Depth to Water (ft.) : 8.00
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other______________

Start Purge Time: 1456 Flow Rate: 200 Pump Depth: 11 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1459	13.30	7.30	1.656	70	0.81	-83.0	600	8.04
1502	13.06	7.31	1.651	51	0.63	-84.9	1200	8.09
1505	13.03	7.31	1.653	32	0.52	-90.1	1800	8.13
1508	12.99	7.31	1.658	31	0.50	-93.9	2400	8.17
1511	13.04	7.31	1.659	30	0.49	-95.6	3000	8.20

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1514	Sampling Date: 3/6/23
Sample I.D.: MW-16-03062023	Laboratory: Pace
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: — See COC
Equipment Blank I.D.: @ ____ Time	Duplicate I.D.: —

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: FD	Gauging Date: 03/06/23
Well I.D.: MW-20	Well Diameter (in.) : 2 3 4 6 8 ____
Total Well Depth (ft.) :	Depth to Water (ft.) :
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type:________________

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Other__________

Start Purge Time:________ Flow Rate: ________________ Pump Depth:__________

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
			—unable to locate, road construction —					
			— no sample taken —					

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: FP	Gauging Date: 03/06/23
Well I.D.: MW-25	Well Diameter (in.) : 2 3 [✓ 4] 6 8 ____
Total Well Depth (ft.) : 14.85	Depth to Water (ft.) : 5.93
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 1648 Flow Rate: 200 mL/min Pump Depth: 10 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1651	7.11	7.57	0.387	23	1.14	-267.9	600	5.97
1654	7.10	7.55	0.388	14	1.07	-269.3	1200	5.99
1657	7.08	7.56	0.388	13	1.00	-269.7	1800	6.00
1700	7.10	7.56	0.388	13	1.01	-269.7	2400	6.00
1703	7.11	7.55	0.388	13	1.03	-269.4	3000	6.00

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000 mL
Sampling Time: 1704	Sampling Date: 03/06/2023
Sample I.D.: MW-25-03062023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	[✓ Other:] SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: DO	Gauging Date: 3/6/23
Well I.D.: MW-27	Well Diameter (in.) : 2 3 [✓ 4] 6 8 ____
Total Well Depth (ft.) : 18.72	Depth to Water (ft.) : 9.22
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other______________

Start Purge Time: 1405 Flow Rate: 200 mL/min Pump Depth: 14ft

Time	Temp. ([✓ °C] or °F)	pH	~~Cond.~~ ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1408	13.82	7.76	1.384	5	5.01	-68.6	600	9.30
1411	13.50	7.72	1.371	5	4.93	-67.2	1200	9.34
1414	13.62	7.66	1.369	3	4.92	-69.8	1800	9.39
1417	13.69	7.64	1.371	3	4.90	-70.2	2400	9.42
1420	13.70	7.63	1.370	2	4.89	-70.4	3000	9.45

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1423	Sampling Date: 3/7/23 ~~306~~ DO
Sample I.D.: MW-27-03072023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: —@— Time	Duplicate I.D.: —

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: DO	Gauging Date: 3/6/23
Well I.D.: MW-30	Well Diameter (in.) : 2 3 [✓ 4] 6 8 ____
Total Well Depth (ft.) : 18.78	Depth to Water (ft.) : 6.30
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: ~~3~~ 1543 Flow Rate: 200 mL/min Pump Depth: 12.5 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1546	12.87	7.33	2.340	100	0.16	71.5	600	6.40
1549	12.82	7.32	2,321	93	0.18	-74.6	1200	6.44
1552	12.03	7.32	2.270	91	0.29	-81.6	1800	6.46
1555	12.09	7.31	2.276	92	0.28	-84.7	2400	6.49
1558	12,10	7,31	2.280	90	0.25	-86.0	3000	6.52

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1601	Sampling Date: 3/6/23
Sample I.D.: MW-30-03062023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: — See COC
Equipment Blank I.D.: ____ @ ____ Time	Duplicate I.D.: ________

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-F01	Client: Parsons
Sampler: FD	Gauging Date: 03/06/23
Well I.D.: MW-31	Well Diameter (in.) : 2 3 [✓ 4] 6 8 ____
Total Well Depth (ft.) : 18.48	Depth to Water (ft.) : 6.08
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type:

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other

Start Purge Time: 0818 Flow Rate: 200mL/min Pump Depth: 12ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
0821	6.91	7.22	0.501	17	1.71	-313.9	600	6.09
0824	6.98	7.20	0.501	17	1.58	-314.2	1200	6.10
0827	7.24	7.11	0.507	1	0.65	-276.5	1800	6.10
0830	7.27	7.11	0.508	1	0.64	-275.5	2400	6.10
0833	7.27	7.11	0.509	1	0.65	-274.8	3000	6.10

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000mL
Sampling Time: 0834	Sampling Date: 03/07/23
Sample I.D.: MW-31-03072023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	[✓ Other] SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: FO	Gauging Date: 03/06/23
Well I.D.: MW-32	Well Diameter (in.) : 2 3 [✓ 4] 6 8 ____
Total Well Depth (ft.) : 18.71	Depth to Water (ft.) : 5.78
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other______

Start Purge Time: 0845 Flow Rate: 200mL/min Pump Depth: 12 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
0848	4.07	7.28	0.320	7	2.16	-256.1	600	5.82
0851	5.11	7.07	0.318	6	1.73	-250.2	1200	5.82
0854	5.78	7.38	0.313	6	1.55	-271.1	1800	5.83
0857	5.82	7.37	0.313	6	1.52	-272.7	2400	5.83
0900	5.85	7.37	0.313	6	1.50	-273.1	3000	5.83

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000 mL
Sampling Time: 0901	Sampling Date: 03/07/2023
Sample I.D.: MW-32-03072023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	[✓ Other] SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: FD	Gauging Date: 03/06/23
Well I.D.: MW-33	Well Diameter (in.) : 2 3 [✓ 4] 6 8 ____
Total Well Depth (ft.) : 18.80	Depth to Water (ft.) : 4.97
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type:

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other

Start Purge Time: 0915 Flow Rate: 200mL/min Pump Depth: 12 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
0918	6.63	7.23	0.273	12	0.60	-294.3	600	5.03
0921	6.57	7.23	0.273	12	0.60	-292.9	1200	5.03
0924	6.59	7.23	0.273	11	0.54	-291.4	1800	5.04
0927	6.69	7.23	0.273	11	0.56	-290.1	2400	5.04
0930	6.72	7.23	0.273	11	0.56	-289.6	3000	5.05

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000mL
Sampling Time: 0931	Sampling Date: 03/07/2023
Sample I.D.: MW-33-03072023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	[✓ Other] SEE COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: DO	Gauging Date: 3/6/23
Well I.D.: MW-39	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 13.63	Depth to Water (ft.) : 6.22
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 0938 Flow Rate: 200mL/min Pump Depth: 10ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
0941	11.30	7.90	1.325	22	0.48	-93.9	600	6.22
0944	11.56	7.87	1.332	19	0.37	-99.4	1200	6.22
0947	11.69	7.76	1.332	14	0.33	-101.7	1800	6.22
0950	11.65	7.73	1.327	14	0.30	-101.4	2400	6.22
0953	11.62	7.70	1.323	13	0.29	-101.8	3000	6.22

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 0956	Sampling Date: 3/7/23
Sample I.D.: MW-39-03072023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: — @ Time	Duplicate I.D.: —

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-F01	Client: Parsons
Sampler: DO	Gauging Date: 3/6/23
Well I.D.: MW-40	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 12.85	Depth to Water (ft.) : 5.52
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other______________

Start Purge Time: 0823 Flow Rate: 200 mL/min Pump Depth: 9.5 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
0826	7.57	7.26	2.147	54	1.29	-106.3	600	5.59
0829	8.17	7.51	2.267	41	0.78	-114.9	1200	~~5.64~~ DO 5.64
0832	8.20	7.74	2.274	20	0.61	-113.6	1800	5.68
0835	8.18	7.77	2.271	19	0.59	-109.7	2400	5.72
0838	8.16	7.79	2.269	20	0.56	-109.8	3000	5.75

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 0841	Sampling Date: 3/7/23
Sample I.D.: ~~0~~ DO MW-40-03072023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: ____@____ Time	Duplicate I.D.: BD-MH-34-03072023

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: FD	Gauging Date: 03/06/23
Well I.D.: MW-41	Well Diameter (in.) : 2 3 4 6 8 ____
Total Well Depth (ft.) :	Depth to Water (ft.) :
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type:

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Other

Start Purge Time: Flow Rate: Pump Depth:

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
			— unable to locate well —					
			— no sample taken —					

Did well dewater? Yes No Amount actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: DO	Gauging Date: 3/6/23
Well I.D.: MW-42	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 13.77	Depth to Water (ft.) : 6.05
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other________

Start Purge Time: 0906 Flow Rate: 200 mL/min Pump Depth: 10 Ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
0909	10.78	8.17	1.381	38	0.45	-112.7	600	6.05
0912	10.06	7.87	1.354	30	0.36	-108.9	1200	6.05
0915	9.76	7.80	1.340	23	0.35	-108.4	1800	6.05
0918	9.73	7.78	1,336	23	0.35	-107.2	2400	6.05
0921	9.70	7.77	1,336	23	0.32	-107.0	3000	6.05

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 0924	Sampling Date: 3/7/23
Sample I.D.: MW-42-03072023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ ____ Time	Duplicate I.D.: —

WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: DO	Start Date: 03|06|23
Well I.D.: MH-29	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other______________

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:______________________

______(Gals.) X ____________ = ____________ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
		—unable	to locate	—		
		—	no sample	taken —	—	

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): Pre-purge: mg/L	Post-purge: mg/L
ORP (if req'd): Pre-purge: mV	Post-purge: mV

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WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: DO	Start Date:
Well I.D.: MH-31	Well Diameter: 2 3 4 6 8 manhole
Total Well Depth: —	Depth to Water: —
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer	Waterra
Disposable Bailer	Peristaltic
Positive Air Displacement	Extraction Pump
Electric Submersible	Other______

Sampling Method:

- Bailer
- [✓ Disposable Bailer]
- Extraction Port
- Dedicated Tubing
- Other:______

___ (Gals.) X ___ = ___ Gals.
1 Case Volume   Specified Volumes   Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or [✓ °C])	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
	~~8.48~~ DO	No	Purge	Sample	Taken	
1250	8.48	7.99	0.281	18	—	Flow: SouthEast

Did well dewater? Yes [✓ No]	Gallons actually evacuated: —
Sampling Time: 1253	Sampling Date: 3/7/23
Sample I.D.: MH-31-03072023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: — @ Time	Duplicate I.D.: —
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: —
D.O. (if req'd): Pre-purge: mg/L	Post-purge: mg/L
ORP (if req'd): Pre-purge: mV	Post-purge: mV

WELL MONITORING DATA SHEET

Project #: 230307-FD1	Client: Parsons
Sampler: DO	Start Date: 3/7/23
Well I.D.: ~~MH-29~~ DO MH-32	Well Diameter: 2 3 4 6 8 Manhole
Total Well Depth: —	Depth to Water: —
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer
Disposable Bailer
Positive Air Displacement
Electric Submersible
Waterra
Peristaltic
Extraction Pump
Other________

Sampling Method:

Bailer
[✓ Disposable Bailer]
Extraction Port
Dedicated Tubing
Other:__________

____(Gals.) X ____ = ____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp. (°F or [✓ °C])	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
			No Purge	Sample	Taken	
1330	7.27	8.16	0.289	158	—	

Did well dewater? Yes [✓ No] Gallons actually evacuated: —

Sampling Time: 1333 Sampling Date: 3/7/23

Sample I.D.: ~~MH-29-03072023~~ DO MH-32-03072023 Laboratory: PACE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: — @ Time Duplicate I.D.: —

Analyzed for: TPH-G BTEX MTBE TPH-D Other: —

D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

ORP (if req'd): Pre-purge: mV Post-purge: mV

WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: PARSONS
Sampler: FD	Start Date: 03/06/23 ~~03/07/~~ FD
Well I.D.: MH-33	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other______________

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:____________________

_________(Gals.) X _____________ = ___________ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
			— unable to	locate —		
			— road con	struction —	—	
		—	no samp	le taken —		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

ORP (if req'd): Pre-purge: mV Post-purge: mV

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WELL MONITORING DATA SHEET

Project #: 230306-F01	Client: Parsons
Sampler: FO	Start Date: 03/06/23
Well I.D.: MH-34	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer	Waterra
Disposable Bailer	Peristaltic
Positive Air Displacement	Extraction Pump
Electric Submersible	Other______________

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:______________________

__________(Gals.) X ______________ = ____________ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
			— unable	to locate	, road construction	—
			— no	sample	taken —	

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: Parsons
Sampler: FD	Start Date: 03/06/23
Well I.D.: MH-38	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other____________

Sampling Method:
- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:____________

_____ (Gals.) X ____________ = ____________ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
			–unable to	locate —		
			–no sample	taken —		

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd):	Pre-purge:	mV	Post-purge:	mV

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1

Client: Parsons

Sampler: FD

Gauging Date: 03/06/23

Well I.D.: DMW-2

Well Diameter (in.) : [✓ 2] 3 4 6 8 ____

Total Well Depth (ft.) : 19.95

Depth to Water (ft.) : 6.67

Depth to Free Product: —

Thickness of Free Product (feet): —

Referenced to: [✓ PVC] Grade

Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 0959 Flow Rate: 200 mL/min Pump Depth: 13 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1002	5.99	7.53	0.263	19	1.62	-283.3	600	6.69
1005	6.09	7.53	0.235	17	1.60	-284.9	1200	6.70
1008	6.81	7.53	0.234	15	1.48	-289.2	1800	6.70
1011	6.77	7.55	0.231	15	1.46	-290.1	2400	6.70
1014	6.73	7.55	0.229	15	1.46	-291.0	3000	6.70

Did well dewater? Yes [✓ No]

Amount actually evacuated: 3000mL

Sampling Time: 1015

Sampling Date: 03/07/23

Sample I.D.: DMW-2-03072023

Laboratory: PACE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE COC

Equipment Blank I.D.: @ Time

Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-FD1	Client: PARSONS
Sampler: FD	Gauging Date: 03/06/23
Well I.D.: DMW-4	Well Diameter (in.) : 2 3 4 6 8 ____
Total Well Depth (ft.) :	Depth to Water (ft.) :
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type:________________________

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Other______________

Start Purge Time:__________ Flow Rate: ________________________ Pump Depth:________________

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
			– unable	to	locate,	road	construction	–
			–no	sample	taken	–		

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 230306-F01
Client: Parsons
Sampler: FD
Gauging Date: 03/06/23
Well I.D.: DMW-5
Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 18.85
Depth to Water (ft.) : 6.31
Depth to Free Product: —
Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade
Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump
Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 1023
Flow Rate: 200mL/min
Pump Depth: 12 ft

Time	Temp. ([✓ °C] or °F)	pH	Cond. ([✓ mS/cm] or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1026	5.72	7.41	0.227	22	1.58	-286.4	600	6.35
1029	5.88	7.38	0.231	19	1.50	-287.1	1200	6.35
1032	5.99	7.49	0.231	19	1.46	-296.8	1800	6.35
1035	6.02	7.51	0.233	17	1.43	-297.1	2400	6.34
1038	6.04	7.51	0.233	17	1.42	-297.0	3000	6.36

Did well dewater? Yes [✓ No]
Amount actually evacuated: 3000mL
Sampling Time: 1039
Sampling Date: 03/07/23
Sample I.D.: DMW-5-03072023
Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D [✓ Other:] SEE COC
Equipment Blank I.D.: @ Time
Duplicate I.D.:

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WELLHEAD INSPECTION FORM

Client: Parsons Site: Sunnyside, WA Date: 03/08/23

Job # : 230306-FD1 Technician: FD, DO Page 1 of 3

		Check indicates deficiency													
Well ID	Well Inspected - No Corrective Action Required	Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty)	Tabs stripped (list qty)	Tabs broken (list qty)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	**Notes** (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
MW-1	X														
MW-2	X														
MW-3	X														
MW-4	X														
MW-8	X														
MW-9	X														
MW-10	X														
MW-11	X														
MW-12	X														
MW-15	X														
MW-16	X														
MW-17	X														
MW-18	X														
MW-19	X														
MW-20	X													✓	* well destroyed, road const.
MW-21	X														
MW-22	X														

NOTES:

WELLHEAD INSPECTION FORM

Client: Parsons
Site: Sunnyside, Wa 6th St / Yakima Valley
Date: 03/06/2023
Job # : 230306-F01
Technician: FD, DO
Page 2 of 3

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency												Well Not Inspected (explain in notes)	Notes (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
		Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty)	Tabs stripped (list qty)	Tabs broken (list qty)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)		
mw-23	X														
MW-24															
mw-25	X														
mw-26	X														
Mw-27	X														
Mw-28	X														
mw-29	X														*well destroyed road const
mw-30	X														
mw-31	X														
Mw-32	X														
MW-33	X														
MW-39	X														
MW-40	X														
MW-41	X														UNABLE TO LOCATE
MW-42	X														
DMW-1	X														
DMW-2	X														

NOTES:

WELLHEAD INSPECTION FORM

Client: Parsons Site: Sunnyside, Wa- 6th St / Yakima Valley Hwy Date: 03/06/2023

Job # : 230306-F01 Technician: FO, DO Page 3 of 3

		Check indicates deficiency													
Well ID	Well Inspected - No Corrective Action Required	Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty)	Tabs stripped (list qty)	Tabs broken (list qty)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
DMW-3	X													→	Well destroyed road const.
DMW-4	X														
DMW-5	X														
DMW-6	X														
RW-1 2	X				4/4										
AI/VE-2	X														

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME SUNNYSIDE, WA 6th st, Yakima Valley

PROJECT NUMBER 230306-F01

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	020L394	03/06/23 @ 0700	ph 4,7,10 cond 3900	4.03, 7.01, 9.98 3904	✓	20°	Fg
			orp 237.5 DO 100%	237.1 99.8%	✓	20°	Fg

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 6th St. & Yakima Valley Hwy

PROJECT NUMBER 230306-FD1

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI-556	02G0203	3/6/23 @0725	PH 4 7 10	4.10 6.82 10.91	✓	21.3	DO
			Cond 3900 ORP 237.5 DO 100	3908 231.7 105	✓	21.0	DO
YSI-556	02G0203	3/7/23 @ 0743	PH 4 7 10	4.12 6.87 10.57	✓	19.5	DO
			cond 3900 ORP 237.5 DO 100	3910 230.2 108	✓	19.2	DO

WELL GAUGING DATA

Project # 231023-AR1 Date 10/23/23 Client Parsons

Site 6th St & Yakima Valley HWY

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or [✓ TOC]	Notes
MW-1	1055	2	—	—	—	—	5.94	18.02		
MW-2	1050	2	—	—	—	—	6.81	16.50		
MW-3	1048	2	—	—	—	—	7.13	18.51		
MW-4	1051	2	—	—	—	—	7.46	17.79		
MW-8	1108	2	—	—	—	—	6.93	16.93		
MW-9	1046	2	—	—	—	—	6.34	17.14		
MW-10	1315	2	odor	—	—	—	7.35	16.63		
MW-11	1408	2	odor	—	—	—	7.56	16.94		
MW-12	1112	2	—	—	—	—	7.99	17.41		
MW-15	1313	2	—	—	—	—	6.84	13.89		
MW-16	1113	2	—	—	—	—	8.61	13.56		
MW-17	1058	2	—	—	—	—	5.76	15.48		
MW-18	1043	2	—	—	—	—	6.44	13.41		
MW-19	1033	4	—	—	—	—	6.02	13.89		
MW-20	—		WELL NOT ACCESSED				—			
MW-21	1037	4	—	—	—	—	6.67	15.45		
MW-22	1035	4	—	—	—	—	6.55	15.67		

WELL GAUGING DATA

Project # 231023-AR1 Date 10/23/23 Client Parsons

Site 6th St & Yakima Valley Hwy

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or [✓ TOC]	Notes
MW-23	1039	4	—	—	—	—	6.80	15.77		
MW-24	unable to locate									
MW-25	1002	4	—	—	—	—	6.39	14.55		
MW-26	1004	4	—	—	—	—	6.73	15.14		
MW-27	unable to open lid due to well lid being stuck									
MW-28	unable to open lid due to it being stuck									
MW-29	WELL NOT ACCESSED									
MW-30	1110	4	odor	—	—	—	7.28	18.73		
MW-31	1021	4	—	—	—	—	6.49	18.79		
MW-32	1025	4	—	—	—	—	6.14	18.96		
MW-33	1019	4	—	—	—	—	5.81	19.06		
MW-39	1106	2	—	—	—	—	6.99	13.71		
MW-40	1104	2	—	—	—	—	6.86	12.84		
MW-41	unable to access									
MW-42	1103	2	—	—	—	—	6.71	13.91		
DMW-1	1013	2	—	—	—	—	6.90	18.55		
DMW-2	1009	2	—	—	—	—	6.99	19.98		

WELL GAUGING DATA

Project # 231023-AR1 Date 10/23/23 Client Parsons

Site 6th st + Yakima Valley Hwy

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or [✓ TOC]	Notes
DMW-3	1017	2	—	—	—	—	6.86	19.56		
~~#~~DMW-4			WELL NOT ACCESSED							
DMW-5	1015	2	—	—	—	—	6.81	19.04		
DMW-6	1012	2	—	—	—	—	6.67	18.74		
RW-1	1052	2	odor	—	—	—	6.88	18.81		
AI/VE-2	1023	2	—	—	—	—	6.73	25.58		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023 -AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/23/23
Well I.D.: MW-1	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 18.02	Depth to Water (ft.) : 5.94
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 1529 Flow Rate: 200 mL/min Pump Depth: 12'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1532 ~~1447~~ AR	10.09	7.77	1045	16	1.76	-22.7	600	6.10
1535	10.15	7.74	1038	13	1.71	-23.9	1200	6.17
1538	10.23	7.71	1034	11	1.67	-26.1	1800	6.23
1541	10.28	7.69	1034	10	1.67	-26.4	2400	6.23
1544	10.30	7.68	1033	10	1.66	-27.7	3000	6.23

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1547	Sampling Date: 10/24/23
Sample I.D.: MW-1-10242023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/23/23
Well I.D.: MW-2	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 16.50	Depth to Water (ft.) : 6.81
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: HANNA

Purge Method: ~~2" Grundfos Pump~~ [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____

Start Purge Time: 1313 Flow Rate: 200 mL/min Pump Depth: 11.5'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1316	15.51	7.30	1063	14	1.40	-50.1	600	6.94
1319	15.64	7.29	1070	11	1.37	-51.3	1200	6.99
1322	15.96	7.23	1078	8	1.21	-67.4	1800	7.05
1325	15.99	7.21	1078	8	1.18	-68.1	2400	7.05
1328	16.03	7.21	1077	8	1.15	-71.8	3000	7.05

Did well dewater? Yes [✓ No]

Amount actually evacuated: 3000

Sampling Time: 1331

Sampling Date: 10/24/23

Sample I.D.: MW-2-10242023

Laboratory: PACE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time

Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/~~24~~ 23 AR/23
Well I.D.: MW-3	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 18.51	Depth to Water (ft.) : 7.13
Depth to Free Product: ———	Thickness of Free Product (feet):
Referenced to: [✓ PVC] Grade	Flow Cell Type:________________

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 1340 Flow Rate: 200 mL/min Pump Depth: 12.5'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. [✓ or mL])	Depth to Water (ft.)
1343	17.91	7.45	859	27	1.30	-84.1	600	7.21
1346	18.20	7.44	855	20	1.26	-78.8	1200	7.31
1349	17.92	7.45	853	18	1.14	-79.2	1800	7.39
1352	17.89	7.45	853	18	1.11	-78.9	2400	7.39
1355	17.91	7.46	854	17	1.09	-80.3	3000	7.39

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1358	Sampling Date: 10/24/23
Sample I.D.: MW-3-10242023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See coc
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1
Client: Parsons
Sampler: AR
Gauging Date: 10/23/23
Well I.D.: MW-4
Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 17.79
Depth to Water (ft.) : 7.46
Depth to Free Product: —
Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade
Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump
Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 1410 Flow Rate: 200 mL/min Pump Depth: 12.5'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1413	16.83	7.27	1355	13	1.03	-126.0	600	7.58
1416	16.77	7.28	1352	10	1.02	-129.9	1200	7.66
1419	16.78	7.30	1351	9	1.00	-134.1	1800	7.76
1422	16.71	7.29	1350	9	0.98	-135.3	2400	7.76
1425	16.69	7.29	1350	9	0.98	-135.8	3000	7.76

Did well dewater? Yes [✓ No]
Amount actually evacuated: 3000
Sampling Time: 1428
Sampling Date: 10/24/23
Sample I.D.: MW-4-10242023
Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D
Other: See COC
Equipment Blank I.D.: @ Time
Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023 - AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/23/23
Well I.D.: MW-8	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 16.78	Depth to Water (ft.) : 6.93
Depth to Free Product: —	Thickness of Free Product (feet): –
Referenced to: [✓ PVC] Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other______________

Start Purge Time: 1245 Flow Rate: 200 mL/min Pump Depth: 12'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1248	16.10	8.00	809	14	1.13	-200.1	600	6.98
1251	16.31	7.99	806	13	1.17	-200.9	1200	7.05
1254	15.81	7.92	804	11	1.10	-203.4	1800	7.17
1257	15.79	7.92	804	10	1.08	-205.8	2400	7.17
1300	15.72	7.92	805	10	1.05	-208.3	3000	7.16

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1303	Sampling Date: 10/24/23
Sample I.D.: MW-8-10242023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/23/23
Well I.D.: MW-10	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 16.63	Depth to Water (ft.) : 7.35
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other________

Start Purge Time: 1321 Flow Rate: 200 mL/min Pump Depth: 12'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. [✓ or mL])	Depth to Water (ft.)
1324	18.55	7.70	834	17	2.80	9.2	600	7.47
1327	18.43	7.67	835	14	2.62	20.5	1200	7.58
1330	18.47	7.67	835	11	2.55	29.9	1800	7.68
1333	18.56	7.63	835	10	2.50	AR ~~2~~36.2	2400	7.68
1336	18.61	7.60	835	10	2.49	37.4	3000	7.68

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1339	Sampling Date: 10/23/23
Sample I.D.: MW-10-10232023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1
Client: Parsons
Sampler: AR
Gauging Date: 10/23/23
Well I.D.: MW-11
Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 16.94
Depth to Water (ft.) : 7.56
Depth to Free Product: —
Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade
Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump
Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 1412 Flow Rate: 200 mL/min Pump Depth: 13.5

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1415	20.65	7.11	1332	33	1.04	-44.5	600	7.69
1418	20.83	7.07	1331	31	1.05	-48.9	1200	7.78
1421	20.98	7.06	1335	29	0.95	-51.3	1800	7.86
1424	21.05	7.08	1335	28	0.96	-55.1	2400	7.86
1427	21.11	7.05	1336	29	0.99	-54.8	3000	7.86

Did well dewater? Yes [✓ No]
Amount actually evacuated: 3000
Sampling Time: 1430
Sampling Date: 10/23/23
Sample I.D.: MW-11-10232023
Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D
Other: See COC
Equipment Blank I.D.: @ Time
Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1
Client: Parsons
Sampler: AR
Gauging Date: 10/23/23
Well I.D.: MW-12
Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 17.41
Depth to Water (ft.) : 7.99
Depth to Free Product: —
Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade
Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump
Sampling Method: [✓ Dedicated Tubing] New ~~Tubing~~ Other____________

Start Purge Time: 1143 Flow Rate: 200 mL/min Pump Depth: 13.5'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1146	18.75	7.64	1064	18	1.13	252.7	600	8.06
1149	18.78	7.62	1064	17	1.04	252.9	1200	8.11
1152	18.84	7.62	1064	14	1.01	253.4	1800	8.20
1155	18.79	7.62	1063	14	1.04	253.7	2400	8.20
1158	18.81	7.63	1063	13	1.04	253.8	3000	8.19

Did well dewater? Yes [✓ No]
Amount actually evacuated: 3000
Sampling Time: 1201
Sampling Date: 10/23/2023
Sample I.D.: MW-12-10232023
Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D
Other: See COC
Equipment Blank I.D.: @ Time
Duplicate I.D.: BD-MH-34-10232023

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023 - AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/23/23
Well I.D.: MW-16	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 13.56	Depth to Water (ft.) : 8.61
Depth to Free Product: —	Thickness of Free Product (feet): –
Referenced to: [✓ PVC] Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____

Start Purge Time: 1116 Flow Rate: 200 mL/min Pump Depth: 11.5'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1119	19.21	7.64	1023	36	1.20	233.0	600	8.66
1122	19.40	7.66	1027	34	1.01	233.7	1200	8.76
1125	19.25	7.63	1021	27	0.99	234.9	1800	8.79
1128	19.34	7.59	1022	27	0.99	237.0	2400	8.79
1131	19.37	7.60	1021	26	0.98	237.4	3000	8.79

Did well dewater? Yes [✓ No]

Amount actually evacuated: 3000

Sampling Time: 1134

Sampling Date: 10/23/23

Sample I.D.: MW-16-10232023

Laboratory: PACE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time

Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023 - AR1	Client: Parsons
Sampler: AR	Gauging Date: ~~10/2~~ AR
Well I.D.: MW-20	Well Diameter (in.) : 2 3 4 6 8 ____
Total Well Depth (ft.) :	Depth to Water (ft.) :
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type:

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ____
Start Purge Time: ____ Flow Rate: ____ Pump Depth: ____

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
	NO SAMPLE TAKEN							

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/23/23
Well I.D.: MW-25	Well Diameter (in.) : 2 3 [✓ 4] 6 8 ____
Total Well Depth (ft.) : 14.55	Depth to Water (ft.) : 6.39
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 1512 Flow Rate: 200 mL/min Pump Depth: 10'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1515	20.81	7.60	1176	21	2.57	91.7	600	6.39
1518	20.93	7.61	1176	18	2.59	92.6	1200	6.40
1521	21.00	7.52	1171	16	2.50	94.5	1800	6.45
1524	20.88	7.47	1171	16	2.44	94.8	2400	6.51
1527	20.90	7.49	1170	15	2.46	95.0	3000	6.50

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1530	Sampling Date: 10/23/23
Sample I.D.: MW-25-10232023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Gauging Date:
Well I.D.: MW-27	Well Diameter (in.) : 2 3 4 6 8 ____
Total Well Depth (ft.) :	Depth to Water (ft.) :
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type:________________

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Other________

Start Purge Time:________ Flow Rate: ______________ Pump Depth:________

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)

Well lid stuck, attempted for ~~to~~ open with multiple tools

NO SAMPLE TAKEN

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023 - AR1

Client: Parsons

Sampler: AR

Gauging Date: 10/23/23

Well I.D.: MW-30

Well Diameter (in.): 2 3 [✓ 4] 6 8 ____

Total Well Depth (ft.): 18.73

Depth to Water (ft.): 7.28

Depth to Free Product: —

Thickness of Free Product (feet): —

Referenced to: [✓ PVC] Grade

Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 1227

Flow Rate: 200 mL/min

Pump Depth: 13'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1230	17.63	7.28	1273	29	2.81	66.3	600	7.30
1233	17.47	7.11	1269	24	2.74	59.8	1200	7.38
1236	17.06	7.07	1265	20	2.78	53.7	1800	7.45
1239	17.13	7.03	1264	20	2.77	47.1	2400	7.46
1242	17.19	7.06	1265	19	2.84	45.0	3000	7.45

Did well dewater? Yes [✓ No]

Amount actually evacuated: 3000

Sampling Time: 1245

Sampling Date: 10/23/23

Sample I.D.: MW-30-10232023

Laboratory: PACE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time

Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/23/24
Well I.D.: MW-31	Well Diameter (in.): 2 3 [✓ 4] 6 8 ___
Total Well Depth (ft.): 18.79	Depth to Water (ft.): 6.49
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: HANNA

Purge Method: 2" ~~Grundfos Pump~~ [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other___

Start Purge Time: 0940 Flow Rate: 200 mL/min Pump Depth: 12.5'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
0943	17.30	7.47	1716	24	1.30	-80.1	600	6.63
0946	17.98	7.26	1717	17	1.21	-85.4	1200	6.66
0949	18.43	7.26	1721	15	1.11	-88.5	1800	6.70
0952	18.37	7.25	1723	14	1.02	-95.7	2400	6.70
0955	18.32	7.25	1723	14	1.07	-94.3	3000	6.70

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 0958	Sampling Date: 10/24/23
Sample I.D.: MW-31-10242023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/23/23
Well I.D.: MW-32	Well Diameter (in.) : 2 3 [✓ 4] 6 8 ____
Total Well Depth (ft.) : 18.96	Depth to Water (ft.) : 6.14
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 0842 Flow Rate: 200 mL/min Pump Depth: 12.5

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
0845	16.31	7.87	0.949	5	2.78	163.1	600	6.19
0848	15.96	7.76	0.944	4	2.57	147.6	1200	6.27
0851	15.81	7.74	0.943	2	2.56	148.1	1800	6.27
0854	15.79	7.74	0.943	2	2.56	144.3	2400	6.27
0857	15.76	7.75	0.943	2	2.54	145.4	3000	6.27

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 0900	Sampling Date: 10/24/23
Sample I.D.: MW-32-10242023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1

Client: Parsons

Sampler: AR

Gauging Date: 10/23/23

Well I.D.: MW-33

Well Diameter (in.): 2 3 [✓ 4] 6 8 ____

Total Well Depth (ft.): 19.06

Depth to Water (ft.): 5.81

Depth to Free Product: —

Thickness of Free Product (feet): —

Referenced to: [✓ PVC] Grade

Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 0910 Flow Rate: 200 mL/min Pump Depth: 12.5'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
0913	17.14	7.37	831	29	1.47	-43.0	600	6.08
0916	17.43	7.35	830	24	1.29	-40.9	1200	6.19
0919	17.99	7.34	AR ~~8~~ 832	21	1.20	-37.4	1800	6.31
0922	17.96	7.28	830	20	1.14	-31.8	2400	6.31
0925	18.05	7.29	829	20	1.13	-30.1	3000	6.31

Did well dewater? Yes [✓ No]

Amount actually evacuated: 3000

Sampling Time: 0928

Sampling Date: 10/24/23

Sample I.D.: MW-33-10242023

Laboratory: PACE

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time

Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023 - AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/23/23
Well I.D.: MW-39	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 13.71	Depth to Water (ft.) : 6.99
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other____________

Start Purge Time: 1135 Flow Rate: 200 mL/min Pump Depth: 10.5'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1138	17.16	7.75	880	12	1.40	-19.4	600	7.07
1141	17.10	7.74	883	10	1.34	-20.1	1200	7.13
1144	17.07	7.65	879	8	1.20	-23.9	1800	7.17
1147	17.11	7.67	878	8	1.18	-25.1	2400	7.17
1150	17.18	7.68	878	8	1.16	-26.0	3000	7.17

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1153	Sampling Date: 10/24/23
Sample I.D.: MW-39-10242023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/23/23
Well I.D.: MW-40	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 12.84	Depth to Water (ft.) : 6.86
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other______________

Start Purge Time: 1101 Flow Rate: 200 ml/min Pump Depth: 10'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1104	13.94	7.76	1255	13	1.58	-39.1	600	6.96
1107	14.15	7.71	1254	14	1.31	-51.7	1200	7.07
1110	14.63	7.72	1251	10	1.19	-52.1	1800	7.11
1113	14.59	7.71	1250	10	1.18	-52.5	2400	7.11
1116	14.58	7.71	1250	11	1.14	-52.9	3000	7.11

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1119	Sampling Date: 10/24/23
Sample I.D.: MW-40-10242023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.: BD-MW34-10242023

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Gauging Date:
Well I.D.: MW-41	Well Diameter (in.) : 2 3 4 6 8 ____
Total Well Depth (ft.) :	Depth to Water (ft.) :
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type:

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other____________

Start Purge Time:________ Flow Rate: ____________ Pump Depth:____________

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
		Unable	to	Access	well			
		under		fruit	stand		stuff	
		NO	SAMPLE		TAKEN			

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/23/23
Well I.D.: MW-42	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 13.91	Depth to Water (ft.) : 6.71
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other______________

Start Purge Time: 1212 Flow Rate: 200 mL/min Pump Depth: 10.5'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1215	17.34	7.45	1024	13	1.34	-149.1	600	6.77
1218	17.00	7.44	1029	10	1.36	-141.3	1200	6.83
1221	~~16.~~ AR 16.77	7.31	1023	7	1.30	-120.1	1800	6.88
1224	16.72	7.26	1022	7	1.27	-115.2	2400	6.88
1227	16.66	7.24	1023	7	1.22	-119.0	3000	6.88

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 1230	Sampling Date: 10/24/23
Sample I.D.: MW-42-10242023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Start Date:
Well I.D.: MH-29	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____________

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:_________________

_________(Gals.) X _____________ = ___________ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
—	Unable		to	locate	Manhole	—
	NO SAMPLE TAKEN					

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): Pre-purge: mg/L	Post-purge: mg/L
ORP (if req'd): Pre-purge: mV	Post-purge: mV

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WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Start Date: 10/24/23
Well I.D.: ~~MW-31~~ *AR MH-31	Well Diameter: 2 3 4 6 8 [✓ MH]
Total Well Depth: —	Depth to Water: —
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): [✓ YSI] HACH

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other________

Sampling Method: [✓ Bailer]

- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:________

_______(Gals.) X _______ = _______ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp. (°F or [✓ °C])	pH	Conductivity ([✓ mS] or µS)	Turbidity (NTU)	Gals. Removed	Observations
0745	14.14	8.51	0.841	27	—	—
—	NO	Purge	SAMPLE	TAKEN	—	—
	Flow: W					

Did well dewater? Yes [✓ No]	Gallons actually evacuated: —
Sampling Time: 0748	Sampling Date: 10/24/23
Sample I.D.: *MH- ~~MW~~-31-10242023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): Pre-purge: mg/L	Post-purge: mg/L
ORP (if req'd): Pre-purge: mV	Post-purge: mV

WELL MONITORING DATA SHEET

Project #: 231023 - AR1	Client: Parsons
Sampler: AR	Start Date: 10/24/23
Well I.D.: MH-32	Well Diameter: 2 3 4 6 8 [✓ MH]
Total Well Depth: —	Depth to Water: —
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): [✓ YSI] HACH

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other________

Sampling Method:

- [✓ Bailer]
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:________

________(Gals.) X ________ = ________ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp. (°F or [✓ °C])	pH	Conductivity ([✓ mS] or µS)	Turbidity (NTU)	Gals. Removed	Observations
0814	13.56	8.19	0.872	15	—	—
	Flow = SE					
—	NO	Purge	SAMPLE	TAKEN	—	—

Did well dewater? Yes [✓ No]	Gallons actually evacuated: —
Sampling Time: 0817	Sampling Date: 10/24/23
Sample I.D.: MH-32-10242023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): Pre-purge: mg/L	Post-purge: mg/L
ORP (if req'd): Pre-purge: mV	Post-purge: mV

WELL MONITORING DATA SHEET

Project #: 231023 - AR1	Client: Parsons
Sampler: AR	Start Date:
Well I.D.: MH - 33	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

Bailer	Waterra
Disposable Bailer	Peristaltic
Positive Air Displacement	Extraction Pump
Electric Submersible	Other______________

Sampling Method:
- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:____________________

_________(Gals.) X ____________ = ___________ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
	unable		to locate	well	due	
	to		construction			
	NO	SAMPLE	TAKEN			

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): Pre-purge: mg/L	Post-purge: mg/L
ORP (if req'd): Pre-purge: mV	Post-purge: mV

WELL MONITORING DATA SHEET

Project #: 231023 - AR1	Client: Parsons
Sampler: AR	Start Date:
Well I.D.: MH - 34	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other____________

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:____________

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

________(Gals.) X ____________ = ____________ Gals.
1 Case Volume Specified Volumes Calculated Volume

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
	unable		to locate	well	due	to
			construction			
	NO	SAMPLE	TAKEN			

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): Pre-purge: mg/L	Post-purge: mg/L
ORP (if req'd): Pre-purge: mV	Post-purge: mV

WELL MONITORING DATA SHEET

Project #: 231023-AR2	Client: Parsons
Sampler: AR	Start Date:
Well I.D.: MH-38	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other____________

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:____________________

__________(Gals.) X ______________ = __________ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
	unable		to	locate	well	
—	—	NO	SAMPLE	TAKEN	—	—

Did well dewater? Yes No

Gallons actually evacuated:

Sampling Time:

Sampling Date:

Sample I.D.:

Laboratory:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: @ Time

Duplicate I.D.:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd): Pre-purge: mg/L Post-purge: mg/L

ORP (if req'd): Pre-purge: mV Post-purge: mV

LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Gauging Date: 10/23/23
Well I.D.: DMW-2	Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 19.98	Depth to Water (ft.) : 6.99
Depth to Free Product: ——	Thickness of Free Product (feet): ——
Referenced to: [✓ PVC] Grade	Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump

Sampling Method: [✓ Dedicated Tubing] New Tubing Other______________

Start Purge Time: 0640 Flow Rate: 200 mL/min Pump Depth: 13.5'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
0643	12.17	7.79	753	16	4.61	73.1	600	7.10
0646	12.30	7.76	748	14	4.68	81.7	1200	7.17
0649	12.54	7.75	745	11	4.72	86.1	1800	7.24
0652	12.63	7.73	743	10	4.65	83.0	2400	7.24
0655	12.59	7.73	744	10	4.66	85.4	3000	7.24

Did well dewater? Yes [✓ No]	Amount actually evacuated: 3000
Sampling Time: 0658	Sampling Date: 10/25/23
Sample I.D.: DMW-2-10252023	Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1	Client: Parsons
Sampler: AR	Gauging Date:
Well I.D.: DMW-4	Well Diameter (in.) : 2 3 4 6 8 ____
Total Well Depth (ft.) :	Depth to Water (ft.) :
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type:________________

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Other__________

Start Purge Time:__________ Flow Rate: __________________ Pump Depth:__________

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
	←	—	No	Sample	Taken		—	

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

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LOW FLOW WELL MONITORING DATA SHEET

Project #: 231023-AR1
Client: Parsons
Sampler: AR
Gauging Date: 10/23/23
Well I.D.: DMW-5
Well Diameter (in.) : [✓ 2] 3 4 6 8 ____
Total Well Depth (ft.) : 19.04
Depth to Water (ft.) : 6.81
Depth to Free Product: —
Thickness of Free Product (feet): —
Referenced to: [✓ PVC] Grade
Flow Cell Type: HANNA

Purge Method: 2" Grundfos Pump [✓ Peristaltic Pump] Bladder Pump
Sampling Method: [✓ Dedicated Tubing] New Tubing Other______________

Start Purge Time: 1023 Flow Rate: 200 mL/min Pump Depth: 13'

Time	Temp. ([✓ °C] or °F)	pH	Cond. (mS/cm or [✓ µS/cm])	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or [✓ mL])	Depth to Water (ft.)
1026	13.85	7.12	1568	10	1.30	-99.2	600	6.93
1029	13.78	7.12	1569	8	1.27	-99.3	1200	7.04
1032	13.81	7.11	1564	7	1.28	-99.7	1800	7.03
1035	13.74	7.10	1565	7	1.25	-100.2	2400	7.03
1038	13.71	7.10	1565	7	1.25	-101.4	3000	7.03

Did well dewater? Yes [✓ No]
Amount actually evacuated: 3000
Sampling Time: 1041
Sampling Date: 10/24/2023
Sample I.D.: DMW-5-10242023
Laboratory: PACE
Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC
Equipment Blank I.D.: @ Time
Duplicate I.D.:

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Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

Page 1 of 4

BP Site Node Path: BP>USA>WA>WA-MH-34 (Manhole 34 Project Site)

Req Due Date (mm/dd/yy): ________ Rush TAT Yes ____ No XXX

Lab Work Order Number:

Lab Name: Pace Analytical National
Lab Address: 12065 Lebanon Rd, Mount Juliet, TN 37122
Lab PM: Jared Starkey
Lab Phone: 615-773-9698
Lab Shipping Accnt:
Lab Bottle Order No:
Other Info:

BP/ARC Facility Address: 6th St. & Yakima Valley Hwy
City, State, ZIP Code: Sunnyside, WA
Lead Regulatory Agency:
California Global ID No.:
Enfos Proposal No: D01BZ-0001
Accounting Mode: Provision (10)
Stage 70 Activity 116

Consultant/Contractor: Parsons
Consultant/Contractor Project No:
Address:
Consultant/Contractor PM: Cynthia Oppenheimer
Phone: 925-324-4895
Send/Submit EDD to: cynthia.oppenheimer@parsons.com
Invoice To: PARSONS — BP-RM Enfos BP-Other ________

BP/RM PM: John Frankenthal
PM Phone: 331-236-1391
PM Email: john.frankenthal@bp.com

Report Type & QC Level
Limited (Standard) Package XX
Limited Plus Package ____
Full Package ——

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	NWTPH-Gx	BTEX (8260B)	NWTPH-DRO/HRO
	MW-1-10242023	10/24/23	1547					G	8		X	X	X
	MW-2-10242023	10/24/23	1331					G	8		X	X	X
	MW-3-10242023	10/24/23	1358					G	8		X	X	X
	MW-4-10242023	10/24/23	1428					G	8		X	X	X
	MW-8-10242023	10/24/23	1303					G	8		X	X	X
	MW-10-10232023	10/23/23	1339					G	8		X	X	X
	MW-11-10232023	10/23/23	1430					G	8		X	X	X

Sampler's Name: Aimee Rice
Sampler's Company: Parsons
Ship Method: Ship Date:
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ________°F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP LaMP Soil/H2O COC July 2018

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Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

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BP Site Node Path: BP>USA>WA>WA-MH-34 (Manhole 34 Project Site)

Req Due Date (mm/dd/yy): ______ Rush TAT Yes ____ No XXX

Lab Work Order Number: ______

Lab Name: Pace Analytical National	BP/ARC Facility Address: 6th St. & Yakima Valley Hwy	Consultant/Contractor: Parsons
Lab Address: 12065 Lebanon Rd, Mount Juliet, TN 37122	City, State, ZIP Code: Sunnyside, WA	Consultant/Contractor Project No:
Lab PM: Jared Starkey	Lead Regulatory Agency:	Address:
Lab Phone: 615-773-9698	California Global ID No.:	Consultant/Contractor PM: Cynthia Oppenheimer
Lab Shipping Accnt:	Enfos Proposal No: D01BZ-0001	Phone: 925-324-4895
Lab Bottle Order No:	Accounting Mode: Provision (10)	Send/Submit EDD to: cynthia.oppenheimer@parsons.com
Other Info:	Stage 70 Activity 116	Invoice To: PARSONS — BP-RM Enfos BP-Other ____

BP/RM PM: John Frankenthal

PM Phone: 331-236-1391

PM Email: john.frankenthal@bp.com

Sample Details | **Requested Analyses** | **Report Type & QC Level**

Limited (Standard) Package XX

Limited Plus Package ____

Full Package ____

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	NWTPH-Gx	BTEX (8260B)	NWTPH-DRO/HRO
										Filt			
										Pres			
	MW-12-10232023	10/23/23	1201					G	8		X	X	X
	MW-16-10232023	10/23/23	1134					G	8		X	X	X
	MW-25-10232023	10/23/23	1530					G	8		X	X	X
	MW-30-10232023	10/23/23	1245					G	8		X	X	X
	MW-31-10242023	10/24/23	0958					G	8		X	X	X
	MW-32-10242023	10/24/23	0900					G	8		X	X	X
	MW-33-10242023	10/24/23	0928					G	8		X	X	X

Sampler's Name: Aimee Rice

Sampler's Company: Parsons

Ship Method: Ship Date:

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ________°F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP LaMP Soil/H2O COC July 2018

Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

Page 3 of 4

BP Site Node Path: BP>USA>WA>WA-MH-34 (Manhole 34 Project Site)

Req Due Date (mm/dd/yy): ________ Rush TAT Yes ______ No XXX

Lab Work Order Number: ________

Lab Name:	Pace Analytical National	BP/ARC Facility Address:	6th St. & Yakima Valley Hwy	Consultant/Contractor:	Parsons
Lab Address:	12065 Lebanon Rd, Mount Juliet, TN 37122	City, State, ZIP Code:	Sunnyside, WA	Consultant/Contractor Project No:	
Lab PM:	Jared Starkey	Lead Regulatory Agency:		Address:	
Lab Phone:	615-773-9698	California Global ID No.:		Consultant/Contractor PM:	Cynthia Oppenheimer
Lab Shipping Accnt:		Enfos Proposal No:	D01BZ-0001	Phone:	925-324-4895
Lab Bottle Order No:		Accounting Mode:	Provision (10)	Send/Submit EDD to:	cynthia.oppenheimer@parsons.com
Other Info:		Stage 70	Activity 116	Invoice To: PARSONS —	BP-RM Enfos BP-Other ________
BP/RM PM:	John Frankenthal				
PM Phone:	331-236-1391				
PM Email:	john.frankenthal@bp.com				

Report Type & QC Level

Limited (Standard) Package XX

Limited Plus Package ____

Full Package ——

				Sample Details						Requested Analyses			
										Filt			
										Pres			
Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	NWTPH-Gx	BTEX (8260B)	NWTPH-DRO/HRO
	MW-39-10242023	10/24/23	1153					G	8		X	X	X
	MW-40-10242023	10/24/23	1119					G	8		X	X	X
	MW-42-10242023	10/24/23	1230					G	8		X	X	X
	MH-31-10242023	10/24/23	0748					G	8		X	X	X
	MH-32-10242023	10/24/23	0817					G	8		X	X	X
	DMW-2-10252023	10/25/23	0058					G	8		X	X	X
	DMW-5-10242023	10/24/23	1041					G	8		X	X	X

Sampler's Name: Aimee Rice

Sampler's Company: Parsons

Ship Method: Ship Date:

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ________°F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP LaMP Soil/H2O COC July 2018

Proprietary and Confidential
Property of BP and its Affiliates

Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

Page 4 of 4

BP Site Node Path: BP>USA>WA>WA-MH-34 (Manhole 34 Project Site)

Req Due Date (mm/dd/yy): ______ Rush TAT Yes ______ No XXX

Lab Work Order Number: ______

Lab Name: Pace Analytical National
Lab Address: 12065 Lebanon Rd, Mount Juliet, TN 37122
Lab PM: Jared Starkey
Lab Phone: 615-773-9698
Lab Shipping Accnt:
Lab Bottle Order No:
Other Info:

BP/ARC Facility Address: 6th St. & Yakima Valley Hwy
City, State, ZIP Code: Sunnyside, WA
Lead Regulatory Agency:
California Global ID No.:
Enfos Proposal No: D01BZ-0001
Accounting Mode: Provision (10)
Stage 70 Activity 116

Consultant/Contractor: Parsons
Consultant/Contractor Project No:
Address:
Consultant/Contractor PM: Cynthia Oppenheimer
Phone: 925-324-4895
Send/Submit EDD to: cynthia.oppenheimer@parsons.com
Invoice To: PARSONS — BP-RM Enfos BP-Other ______

BP/RM PM: John Frankenthal
PM Phone: 331-236-1391
PM Email: john.frankenthal@bp.com

Report Type & QC Level

Limited (Standard) Package XX
Limited Plus Package ____
Full Package ——

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	NWTPH-Gx	BTEX (8260B)	NWTPH-DRO/HRO										
	BD-MH34-10232023	10/23/23	1206					G	8		X	X	X										
	BD-MH34-10242023	10/24/23	1200					G	8		X	X	X										
	TB-MH-34-10232023	10/23/23	0900					G	2		X	X											

Sampler's Name: Aimee Rice
Sampler's Company: Parsons
Ship Method: Ship Date:
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ______°F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

WELLHEAD INSPECTION FORM

Client: Parsons Site: 6th Street + Yakima Valley Date: 10/23/23

Job #: 231023-AR1 Technician: AR Page 1 of 3

		Check indicates deficiency													
Well ID	Well Inspected - No Corrective Action Required	Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty)	Tabs stripped (list qty)	Tabs broken (list qty)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	**Notes** (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
MW-1				X											
MW-2				X											
MW-3				X											
MW-4				X											
MW-8	X			X											
MW-9				X											
MW-10	X			X											
MW-11				X	1/1										
MW-12	X			X											
MW-15	X			X											
MW-16	X			X											
MW-17				X											
MW-18	X			X											
MW-19				X											
MW-20				~~X~~	AR										
MW-21				X											
MW-22				X											

NOTES: ____________________

WELLHEAD INSPECTION FORM

Client: Parsons Site: 6th St + Yakima Valley Date: 10/23/23

Job # : 237023-AR-1 Technician: AR Page 2 of 3

Well ID	Well Inspected - No Corrective Action Required	Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty)	Tabs stripped (list qty)	Tabs broken (list qty)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
MW-23				X											
MW-24	— unable to locate —														
MW-25				X	1/3										
MW-26															
MW-27	— unable to access —														Well lid stuck
MW-28	— unable to access —														Well lid stuck
MW-29															
MW-30				X						X					Well lid broken
MW-31				X											
MW-32				X	3/3										
MW-33				X											
MW-39				X											
MW-40				X											
MW-41	— unable to locate —														
MW-42				X											
MH-29	— unable to locate —														
MH-31	X														

NOTES:

WELLHEAD INSPECTION FORM

Client: Parsons Site: 6th st + Yakima Valley Date: 10/23/23

Job # : 231023 - AR1 Technician: AR Page 3 of 3

		Check indicates deficiency													
Well ID	Well Inspected - No Corrective Action Required	Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty)	Tabs stripped (list qty)	Tabs broken (list qty)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
MH-33	—	unable to locate													
MH-34	—	unable to locate													
MW-38	—	unable to locate													
DMW-1				X											
DMW-2				X											
DMW-3				X											
DMW-4															
DMW-5				X											
DMW-6				X											
RW-1				X											
AI/VE-2				X											

NOTES: ____________________

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 6th St + Yakima Valley HWY **PROJECT NUMBER** 231023-AR1

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Hanna	08020054101	10/23/23 @ 0630	pH 4.0 7.0 10.0	3.94 7.03 10.05	✓	20.1	AR
			cond 3900 ORP 237.5 DO 100	3891 237.8 96.4	✓	20.1	AR
Hanna	08020054101	10/24/23 @ 0625	pH 4.0 7.0 10.0	3.97 7.01 9.98	✓	20.0	AR
			cond 3900 ORP 237.5 DO 100	3896 236.8 97.1	✓	20.0	AR
Hanna ~~Hanna~~-AR	08020054101	10/25/23 @ 0620	pH 4.0 7.0 10.0	4.04 7.05 9.96	✓	20.1	AR
			cond 3900 ORP 237.5 DO 100	3907 237.6 98.4	✓	20.1	AR

APPENDIX C

CERTIFIED LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

March 20, 2023

BPLAMP - Parsons

Sample Delivery Group: L1593002
Samples Received: 03/08/2023
Project Number:
Description:

Report To: Cynthia Oppenheimer
9101 Burnet Road
Suite 210
Austin, TX 78758

Entire Report Reviewed By:

Jared Starkey
Project Manager

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

1 Cp
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3 Ss
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6 Qc
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8 Al
9 Sc

MW-1-03072023 L1593002-01 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 11:24	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2020825	1	03/10/23 12:20	03/10/23 12:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 12:21	03/10/23 12:21	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/18/23 15:08	TJD	Mt. Juliet, TN

MW-2-03072023 L1593002-02 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 12:02	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2020825	1	03/10/23 12:42	03/10/23 12:42	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 12:42	03/10/23 12:42	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/20/23 05:57	DMG	Mt. Juliet, TN

MW-3-03072023 L1593002-03 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 12:10	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2022314	10	03/14/23 00:55	03/14/23 00:55	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	10	03/10/23 17:28	03/10/23 17:28	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/18/23 14:01	DMG	Mt. Juliet, TN

MW-4-03072023 L1593002-04 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 11:34	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2022314	50	03/14/23 01:17	03/14/23 01:17	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	100	03/10/23 17:48	03/10/23 17:48	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/20/23 04:27	DMG	Mt. Juliet, TN

MW-8-03072023 L1593002-05 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 10:36	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2022314	1	03/13/23 20:09	03/13/23 20:09	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 13:02	03/10/23 13:02	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	2	03/17/23 12:09	03/20/23 06:20	DMG	Mt. Juliet, TN

MW-10-03062023 L1593002-06 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/06/23 16:15	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2022314	1	03/13/23 20:31	03/13/23 20:31	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 13:23	03/10/23 13:23	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024282	1	03/16/23 21:33	03/17/23 20:02	MWS	Mt. Juliet, TN

SAMPLE SUMMARY

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-12-03062023 L1593002-07 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/06/23 15:21	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2022314	1	03/13/23 20:53	03/13/23 20:53	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 13:43	03/10/23 13:43	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024282	1	03/16/23 21:33	03/17/23 20:22	MWS	Mt. Juliet, TN

MW-25-03062023 L1593002-08 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/06/23 17:04	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2022314	1	03/13/23 21:15	03/13/23 21:15	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 14:03	03/10/23 14:03	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024282	1	03/16/23 21:33	03/17/23 20:42	MWS	Mt. Juliet, TN

MW-27-03072023 L1593002-09 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 14:23	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2022314	1	03/13/23 21:37	03/13/23 21:37	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 14:24	03/10/23 14:24	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/18/23 18:51	TJD	Mt. Juliet, TN

MW-31-03072023 L1593002-10 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 08:34	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2022314	1	03/13/23 21:59	03/13/23 21:59	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	10	03/10/23 18:09	03/10/23 18:09	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/20/23 05:12	DMG	Mt. Juliet, TN

MW-32-03072023 L1593002-11 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 09:01	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2022314	1	03/13/23 22:21	03/13/23 22:21	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 14:44	03/10/23 14:44	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/18/23 19:59	TJD	Mt. Juliet, TN

MW-33-03072023 L1593002-12 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 09:31	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2020825	1	03/10/23 15:37	03/10/23 15:37	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 15:05	03/10/23 15:05	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2022434	5	03/14/23 01:45	03/14/23 01:45	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/20/23 05:35	DMG	Mt. Juliet, TN

SAMPLE SUMMARY

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-39-03072023 L1593002-13 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 09:56	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2020825	1	03/10/23 15:59	03/10/23 15:59	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 15:25	03/10/23 15:25	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2022434	1	03/14/23 00:48	03/14/23 00:48	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/18/23 17:22	TJD	Mt. Juliet, TN

MW-40-03072023 L1593002-14 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 08:41	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2020825	1	03/10/23 16:21	03/10/23 16:21	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 15:46	03/10/23 15:46	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2022434	1	03/14/23 01:07	03/14/23 01:07	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/18/23 17:44	TJD	Mt. Juliet, TN

MW-42-03072023 L1593002-15 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 09:24	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2020825	10	03/10/23 18:11	03/10/23 18:11	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	25	03/10/23 18:29	03/10/23 18:29	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/20/23 04:50	DMG	Mt. Juliet, TN

DMW-2-03072023 L1593002-16 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 10:15	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2021166	1	03/10/23 17:20	03/10/23 17:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 16:06	03/10/23 16:06	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/18/23 15:30	TJD	Mt. Juliet, TN

DMW-5-03072023 L1593002-17 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 10:39	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2022177	1	03/14/23 00:11	03/14/23 00:11	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2022434	1	03/14/23 01:26	03/14/23 01:26	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/18/23 16:15	TJD	Mt. Juliet, TN

MH-31-03072023 L1593002-18 GW

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 12:53	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2021166	1	03/10/23 17:42	03/10/23 17:42	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 16:27	03/10/23 16:27	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/18/23 14:45	TJD	Mt. Juliet, TN

SAMPLE SUMMARY

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 13:33	03/08/23 09:00

MH-32-03072023 L1593002-19 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2021166	1	03/10/23 18:04	03/10/23 18:04	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 16:47	03/10/23 16:47	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/18/23 14:23	TJD	Mt. Juliet, TN

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/06/23 12:00	03/08/23 09:00

BD-MH-34-03062023 L1593002-20 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2021166	1	03/10/23 18:26	03/10/23 18:26	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020471	1	03/10/23 17:08	03/10/23 17:08	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024282	1	03/16/23 21:33	03/17/23 21:02	MWS	Mt. Juliet, TN

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 12:00	03/08/23 09:00

TB-MH-34-03072023 L1593002-21 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2021166	1	03/10/23 16:36	03/10/23 16:36	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020765	1	03/10/23 12:05	03/10/23 12:05	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1.38	03/17/23 12:09	03/18/23 16:37	TJD	Mt. Juliet, TN

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/07/23 12:00	03/08/23 09:00

BD-MH-34-03072023 L1593002-22 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2021166	1	03/10/23 18:48	03/10/23 18:48	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020765	1	03/10/23 13:05	03/10/23 13:05	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024733	1	03/17/23 12:09	03/18/23 17:00	TJD	Mt. Juliet, TN

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/06/23 17:01	03/08/23 09:00

MW-11-03062023 L1593002-23 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2021166	1	03/10/23 19:10	03/10/23 19:10	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020765	1	03/10/23 13:25	03/10/23 13:25	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2022842	20	03/14/23 18:10	03/14/23 18:10	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024282	5	03/16/23 21:33	03/17/23 22:41	MWS	Mt. Juliet, TN

Collected by	Collected date/time	Received date/time
Fonda DeSantos	03/06/23 15:14	03/08/23 09:00

MW-16-03062023 L1593002-24 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2021166	1	03/10/23 19:32	03/10/23 19:32	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020765	1	03/10/23 13:45	03/10/23 13:45	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2022842	1	03/14/23 13:51	03/14/23 13:51	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024282	1	03/16/23 21:33	03/17/23 21:22	MWS	Mt. Juliet, TN

	Collected by	Collected date/time	Received date/time
MW-30-03062023 L1593002-25 GW	Fonda DeSantos	03/06/23 16:01	03/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2021166	10	03/10/23 23:11	03/10/23 23:11	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2020765	10	03/10/23 15:46	03/10/23 15:46	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2024282	1	03/16/23 21:33	03/17/23 21:41	MWS	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	96.9	B J	31.6	100	1	03/10/2023 12:20	WG2020825
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*03/10/2023 12:20*	WG2020825

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	03/10/2023 12:21	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 12:21	WG2020471
Ethylbenzene	U		0.137	1.00	1	03/10/2023 12:21	WG2020471
Total Xylenes	U		0.174	3.00	1	03/10/2023 12:21	WG2020471
(S) Toluene-d8	*103*			*80.0-120*		*03/10/2023 12:21*	WG2020471
(S) 4-Bromofluorobenzene	*96.8*			*77.0-126*		*03/10/2023 12:21*	WG2020471
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*03/10/2023 12:21*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	129	J	66.7	200	1	03/18/2023 15:08	WG2024733
Residual Range Organics (RRO)	145	J	83.3	250	1	03/18/2023 15:08	WG2024733
(S) o-Terphenyl	*121*			*52.0-156*		*03/18/2023 15:08*	WG2024733

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	356	B	31.6	100	1	03/10/2023 12:42	WG2020825
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*03/10/2023 12:42*	WG2020825

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	03/10/2023 12:42	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 12:42	WG2020471
Ethylbenzene	U		0.137	1.00	1	03/10/2023 12:42	WG2020471
Total Xylenes	0.419	J	0.174	3.00	1	03/10/2023 12:42	WG2020471
(S) Toluene-d8	*95.3*			*80.0-120*		*03/10/2023 12:42*	WG2020471
(S) 4-Bromofluorobenzene	*89.4*			*77.0-126*		*03/10/2023 12:42*	WG2020471
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*03/10/2023 12:42*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	530		66.7	200	1	03/20/2023 05:57	WG2024733
Residual Range Organics (RRO)	201	J	83.3	250	1	03/20/2023 05:57	WG2024733
(S) o-Terphenyl	*136*			*52.0-156*		*03/20/2023 05:57*	WG2024733

Sample Narrative:

L1593002-02 WG2024733: Sample resembles laboratory standard for Kerosene.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	13300		316	1000	10	03/14/2023 00:55	WG2022314
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*78.0-120*		*03/14/2023 00:55*	WG2022314

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	349		0.941	10.0	10	03/10/2023 17:28	WG2020471
Toluene	28.4		2.78	10.0	10	03/10/2023 17:28	WG2020471
Ethylbenzene	284		1.37	10.0	10	03/10/2023 17:28	WG2020471
Total Xylenes	808		1.74	30.0	10	03/10/2023 17:28	WG2020471
(S) Toluene-d8	*102*			*80.0-120*		*03/10/2023 17:28*	WG2020471
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*03/10/2023 17:28*	WG2020471
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*		*03/10/2023 17:28*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	1110		66.7	200	1	03/18/2023 14:01	WG2024733
Residual Range Organics (RRO)	U		83.3	250	1	03/18/2023 14:01	WG2024733
(S) o-Terphenyl	*138*			*52.0-156*		*03/18/2023 14:01*	WG2024733

Sample Narrative:

L1593002-03 WG2024733: Sample resembles laboratory standard for Mineral Spirits

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	73400		1580	5000	50	03/14/2023 01:17	WG2022314
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*03/14/2023 01:17*	WG2022314

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	4060		9.41	100	100	03/10/2023 17:48	WG2020471
Toluene	4900		27.8	100	100	03/10/2023 17:48	WG2020471
Ethylbenzene	1860		13.7	100	100	03/10/2023 17:48	WG2020471
Total Xylenes	10200		17.4	300	100	03/10/2023 17:48	WG2020471
(S) Toluene-d8	*103*			*80.0-120*		*03/10/2023 17:48*	WG2020471
(S) 4-Bromofluorobenzene	*96.3*			*77.0-126*		*03/10/2023 17:48*	WG2020471
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*03/10/2023 17:48*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	6570		66.7	200	1	03/20/2023 04:27	WG2024733
Residual Range Organics (RRO)	285		83.3	250	1	03/20/2023 04:27	WG2024733
(S) o-Terphenyl	*121*			*52.0-156*		*03/20/2023 04:27*	WG2024733

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/13/2023 20:09	WG2022314
(S) a,a,a-Trifluorotoluene(FID)	*113*			*78.0-120*		*03/13/2023 20:09*	WG2022314

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	03/10/2023 13:02	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 13:02	WG2020471
Ethylbenzene	U		0.137	1.00	1	03/10/2023 13:02	WG2020471
Total Xylenes	U		0.174	3.00	1	03/10/2023 13:02	WG2020471
(S) Toluene-d8	*103*			*80.0-120*		*03/10/2023 13:02*	WG2020471
(S) 4-Bromofluorobenzene	*96.3*			*77.0-126*		*03/10/2023 13:02*	WG2020471
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*03/10/2023 13:02*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	5690		133	400	2	03/20/2023 06:20	WG2024733
Residual Range Organics (RRO)	6860		167	500	2	03/20/2023 06:20	WG2024733
(S) o-Terphenyl	*188*	J1		*52.0-156*		*03/20/2023 06:20*	WG2024733

Sample Narrative:

L1593002-05 WG2024733: Sample does not resemble laboratory standards.. High surrogate due to matrix.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	678		31.6	100	1	03/13/2023 20:31	WG2022314
(S) a,a,a-Trifluorotoluene(FID)	*98.1*			*78.0-120*		*03/13/2023 20:31*	WG2022314

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	8.82		0.0941	1.00	1	03/10/2023 13:23	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 13:23	WG2020471
Ethylbenzene	0.955	J	0.137	1.00	1	03/10/2023 13:23	WG2020471
Total Xylenes	5.71		0.174	3.00	1	03/10/2023 13:23	WG2020471
(S) Toluene-d8	*102*			*80.0-120*		*03/10/2023 13:23*	WG2020471
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*		*03/10/2023 13:23*	WG2020471
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*03/10/2023 13:23*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	581		66.7	200	1	03/17/2023 20:02	WG2024282
Residual Range Organics (RRO)	U		83.3	250	1	03/17/2023 20:02	WG2024282
(S) o-Terphenyl	*86.0*			*52.0-156*		*03/17/2023 20:02*	WG2024282

Sample Narrative:

L1593002-06 WG2024282: Sample resembles laboratory standard for Jet Fuel. and Kerosene

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/13/2023 20:53	WG2022314
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*		*03/13/2023 20:53*	WG2022314

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	03/10/2023 13:43	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 13:43	WG2020471
Ethylbenzene	U		0.137	1.00	1	03/10/2023 13:43	WG2020471
Total Xylenes	U		0.174	3.00	1	03/10/2023 13:43	WG2020471
(S) Toluene-d8	*103*			*80.0-120*		*03/10/2023 13:43*	WG2020471
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*03/10/2023 13:43*	WG2020471
(S) 1,2-Dichloroethane-d4	*99.3*			*70.0-130*		*03/10/2023 13:43*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	03/17/2023 20:22	WG2024282
Residual Range Organics (RRO)	101	J	83.3	250	1	03/17/2023 20:22	WG2024282
(S) o-Terphenyl	*77.0*			*52.0-156*		*03/17/2023 20:22*	WG2024282

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/13/2023 21:15	WG2022314
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*03/13/2023 21:15*	WG2022314

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	03/10/2023 14:03	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 14:03	WG2020471
Ethylbenzene	U		0.137	1.00	1	03/10/2023 14:03	WG2020471
Total Xylenes	U		0.174	3.00	1	03/10/2023 14:03	WG2020471
(S) Toluene-d8	*104*			*80.0-120*		*03/10/2023 14:03*	WG2020471
(S) 4-Bromofluorobenzene	*96.3*			*77.0-126*		*03/10/2023 14:03*	WG2020471
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*03/10/2023 14:03*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	03/17/2023 20:42	WG2024282
Residual Range Organics (RRO)	150	J	83.3	250	1	03/17/2023 20:42	WG2024282
(S) o-Terphenyl	*75.0*			*52.0-156*		*03/17/2023 20:42*	WG2024282

MW-27-03072023

Collected date/time: 03/07/23 14:23

SAMPLE RESULTS - 09

L1593002

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/13/2023 21:37	WG2022314
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*03/13/2023 21:37*	WG2022314

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	03/10/2023 14:24	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 14:24	WG2020471
Ethylbenzene	U		0.137	1.00	1	03/10/2023 14:24	WG2020471
Total Xylenes	U		0.174	3.00	1	03/10/2023 14:24	WG2020471
(S) Toluene-d8	*103*			*80.0-120*		*03/10/2023 14:24*	WG2020471
(S) 4-Bromofluorobenzene	*96.2*			*77.0-126*		*03/10/2023 14:24*	WG2020471
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*03/10/2023 14:24*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	82.9	J	66.7	200	1	03/18/2023 18:51	WG2024733
Residual Range Organics (RRO)	U		83.3	250	1	03/18/2023 18:51	WG2024733
(S) o-Terphenyl	*118*			*52.0-156*		*03/18/2023 18:51*	WG2024733

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	2330		31.6	100	1	03/13/2023 21:59	WG2022314
(S) a,a,a-Trifluorotoluene(FID)	*83.3*			*78.0-120*		*03/13/2023 21:59*	WG2022314

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	309		0.941	10.0	10	03/10/2023 18:09	WG2020471
Toluene	6.50	J	2.78	10.0	10	03/10/2023 18:09	WG2020471
Ethylbenzene	198		1.37	10.0	10	03/10/2023 18:09	WG2020471
Total Xylenes	88.7		1.74	30.0	10	03/10/2023 18:09	WG2020471
(S) Toluene-d8	*103*			*80.0-120*		*03/10/2023 18:09*	WG2020471
(S) 4-Bromofluorobenzene	*96.9*			*77.0-126*		*03/10/2023 18:09*	WG2020471
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*03/10/2023 18:09*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	913		66.7	200	1	03/20/2023 05:12	WG2024733
Residual Range Organics (RRO)	723		83.3	250	1	03/20/2023 05:12	WG2024733
(S) o-Terphenyl	*107*			*52.0-156*		*03/20/2023 05:12*	WG2024733

Sample Narrative:

L1593002-10 WG2024733: Sample resembles laboratory standard for Kerosene.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/13/2023 22:21	WG2022314
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*03/13/2023 22:21*	WG2022314

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	03/10/2023 14:44	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 14:44	WG2020471
Ethylbenzene	U		0.137	1.00	1	03/10/2023 14:44	WG2020471
Total Xylenes	U		0.174	3.00	1	03/10/2023 14:44	WG2020471
(S) Toluene-d8	*104*			*80.0-120*		*03/10/2023 14:44*	WG2020471
(S) 4-Bromofluorobenzene	*96.2*			*77.0-126*		*03/10/2023 14:44*	WG2020471
(S) 1,2-Dichloroethane-d4	*99.3*			*70.0-130*		*03/10/2023 14:44*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	83.9	J	66.7	200	1	03/18/2023 19:59	WG2024733
Residual Range Organics (RRO)	123	J	83.3	250	1	03/18/2023 19:59	WG2024733
(S) o-Terphenyl	*126*			*52.0-156*		*03/18/2023 19:59*	WG2024733

MW-33-03072023

Collected date/time: 03/07/23 09:31

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L1593002

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	6520		31.6	100	1	03/10/2023 15:37	WG2020825
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*03/10/2023 15:37*	WG2020825

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	7.53		0.0941	1.00	1	03/10/2023 15:05	WG2020471
Toluene	0.617	J	0.278	1.00	1	03/10/2023 15:05	WG2020471
Ethylbenzene	38.8		0.137	1.00	1	03/10/2023 15:05	WG2020471
Total Xylenes	663		0.870	15.0	5	03/14/2023 01:45	WG2022434
(S) Toluene-d8	*95.9*			*80.0-120*		*03/10/2023 15:05*	WG2020471
(S) Toluene-d8	*103*			*80.0-120*		*03/14/2023 01:45*	WG2022434
(S) 4-Bromofluorobenzene	*93.3*			*77.0-126*		*03/10/2023 15:05*	WG2020471
(S) 4-Bromofluorobenzene	*96.1*			*77.0-126*		*03/14/2023 01:45*	WG2022434
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*03/10/2023 15:05*	WG2020471
(S) 1,2-Dichloroethane-d4	*95.0*			*70.0-130*		*03/14/2023 01:45*	WG2022434

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2860		66.7	200	1	03/20/2023 05:35	WG2024733
Residual Range Organics (RRO)	836		83.3	250	1	03/20/2023 05:35	WG2024733
(S) o-Terphenyl	*112*			*52.0-156*		*03/20/2023 05:35*	WG2024733

Sample Narrative:

L1593002-12 WG2024733: Sample resembles laboratory standard for Kerosene.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	609		31.6	100	1	03/10/2023 15:59	WG2020825
(S) a,a,a-Trifluorotoluene(FID)	*99.6*			*78.0-120*		*03/10/2023 15:59*	WG2020825

Volatile Organic Compounds (GC/MS) by Method 8260D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Benzene	66.7		0.0941	1.00	1	03/10/2023 15:25	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 15:25	WG2020471
Ethylbenzene	0.647	J	0.137	1.00	1	03/10/2023 15:25	WG2020471
Total Xylenes	0.399	J	0.174	3.00	1	03/14/2023 00:48	WG2022434
(S) Toluene-d8	*103*			*80.0-120*		*03/10/2023 15:25*	WG2020471
(S) Toluene-d8	*98.3*			*80.0-120*		*03/14/2023 00:48*	WG2022434
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*03/10/2023 15:25*	WG2020471
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*		*03/14/2023 00:48*	WG2022434
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*03/10/2023 15:25*	WG2020471
(S) 1,2-Dichloroethane-d4	*95.7*			*70.0-130*		*03/14/2023 00:48*	WG2022434

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	159	J	66.7	200	1	03/18/2023 17:22	WG2024733
Residual Range Organics (RRO)	U		83.3	250	1	03/18/2023 17:22	WG2024733
(S) o-Terphenyl	*107*			*52.0-156*		*03/18/2023 17:22*	WG2024733

MW-40-03072023
Collected date/time: 03/07/23 08:41

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L1593002

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	281	B	31.6	100	1	03/10/2023 16:21	WG2020825
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*03/10/2023 16:21*	WG2020825

Volatile Organic Compounds (GC/MS) by Method 8260D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Benzene	4.63		0.0941	1.00	1	03/10/2023 15:46	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 15:46	WG2020471
Ethylbenzene	U		0.137	1.00	1	03/10/2023 15:46	WG2020471
Total Xylenes	0.366	J	0.174	3.00	1	03/14/2023 01:07	WG2022434
(S) Toluene-d8	*102*			*80.0-120*		*03/10/2023 15:46*	WG2020471
(S) Toluene-d8	*103*			*80.0-120*		*03/14/2023 01:07*	WG2022434
(S) 4-Bromofluorobenzene	*96.3*			*77.0-126*		*03/10/2023 15:46*	WG2020471
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*03/14/2023 01:07*	WG2022434
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*03/10/2023 15:46*	WG2020471
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*03/14/2023 01:07*	WG2022434

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	219		66.7	200	1	03/18/2023 17:44	WG2024733
Residual Range Organics (RRO)	192	J	83.3	250	1	03/18/2023 17:44	WG2024733
(S) o-Terphenyl	*120*			*52.0-156*		*03/18/2023 17:44*	WG2024733

Sample Narrative:

L1593002-14 WG2024733: Sample resembles laboratory standard for Kerosene.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	21500		316	1000	10	03/10/2023 18:11	WG2020825
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*78.0-120*		*03/10/2023 18:11*	WG2020825

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	26.8		2.35	25.0	25	03/10/2023 18:29	WG2020471
Toluene	494		6.95	25.0	25	03/10/2023 18:29	WG2020471
Ethylbenzene	909		3.43	25.0	25	03/10/2023 18:29	WG2020471
Total Xylenes	4510		4.35	75.0	25	03/10/2023 18:29	WG2020471
(S) Toluene-d8	*102*			*80.0-120*		*03/10/2023 18:29*	WG2020471
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*03/10/2023 18:29*	WG2020471
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*03/10/2023 18:29*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	6140		66.7	200	1	03/20/2023 04:50	WG2024733
Residual Range Organics (RRO)	366		83.3	250	1	03/20/2023 04:50	WG2024733
(S) o-Terphenyl	*124*			*52.0-156*		*03/20/2023 04:50*	WG2024733

Sample Narrative:

L1593002-15 WG2024733: Sample resembles laboratory standard for Kerosene.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	301		31.6	100	1	03/10/2023 17:20	WG2021166
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*		*03/10/2023 17:20*	WG2021166

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.219	J	0.0941	1.00	1	03/10/2023 16:06	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 16:06	WG2020471
Ethylbenzene	30.5		0.137	1.00	1	03/10/2023 16:06	WG2020471
Total Xylenes	0.361	J	0.174	3.00	1	03/10/2023 16:06	WG2020471
(S) Toluene-d8	*100*			*80.0-120*		*03/10/2023 16:06*	WG2020471
(S) 4-Bromofluorobenzene	*95.7*			*77.0-126*		*03/10/2023 16:06*	WG2020471
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*03/10/2023 16:06*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	141	J	66.7	200	1	03/18/2023 15:30	WG2024733
Residual Range Organics (RRO)	U		83.3	250	1	03/18/2023 15:30	WG2024733
(S) o-Terphenyl	*111*			*52.0-156*		*03/18/2023 15:30*	WG2024733

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	720		31.6	100	1	03/14/2023 00:11	WG2022177
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*03/14/2023 00:11*	WG2022177

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	14.5		0.0941	1.00	1	03/14/2023 01:26	WG2022434
Toluene	0.400	J	0.278	1.00	1	03/14/2023 01:26	WG2022434
Ethylbenzene	27.2		0.137	1.00	1	03/14/2023 01:26	WG2022434
Total Xylenes	36.1		0.174	3.00	1	03/14/2023 01:26	WG2022434
(S) Toluene-d8	*107*			*80.0-120*		*03/14/2023 01:26*	WG2022434
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*03/14/2023 01:26*	WG2022434
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*03/14/2023 01:26*	WG2022434

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	492		66.7	200	1	03/18/2023 16:15	WG2024733
Residual Range Organics (RRO)	U		83.3	250	1	03/18/2023 16:15	WG2024733
(S) o-Terphenyl	*130*			*52.0-156*		*03/18/2023 16:15*	WG2024733

Sample Narrative:

L1593002-17 WG2024733: Sample resembles laboratory standard for Diesel.

MH-31-03072023

Collected date/time: 03/07/23 12:53

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L1593002

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/10/2023 17:42	WG2021166
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*03/10/2023 17:42*	WG2021166

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	1.35		0.0941	1.00	1	03/10/2023 16:27	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 16:27	WG2020471
Ethylbenzene	0.903	J	0.137	1.00	1	03/10/2023 16:27	WG2020471
Total Xylenes	1.17	J	0.174	3.00	1	03/10/2023 16:27	WG2020471
(S) Toluene-d8	*103*			*80.0-120*		*03/10/2023 16:27*	WG2020471
(S) 4-Bromofluorobenzene	*97.7*			*77.0-126*		*03/10/2023 16:27*	WG2020471
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*03/10/2023 16:27*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	74.1	J	66.7	200	1	03/18/2023 14:45	WG2024733
Residual Range Organics (RRO)	U		83.3	250	1	03/18/2023 14:45	WG2024733
(S) o-Terphenyl	*114*			*52.0-156*		*03/18/2023 14:45*	WG2024733

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/10/2023 18:04	WG2021166
(S) a,a,a-Trifluorotoluene(FID)	*112*			*78.0-120*		*03/10/2023 18:04*	WG2021166

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	1.33		0.0941	1.00	1	03/10/2023 16:47	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 16:47	WG2020471
Ethylbenzene	1.15		0.137	1.00	1	03/10/2023 16:47	WG2020471
Total Xylenes	0.787	J	0.174	3.00	1	03/10/2023 16:47	WG2020471
(S) Toluene-d8	*102*			*80.0-120*		*03/10/2023 16:47*	WG2020471
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*03/10/2023 16:47*	WG2020471
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*03/10/2023 16:47*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	03/18/2023 14:23	WG2024733
Residual Range Organics (RRO)	U		83.3	250	1	03/18/2023 14:23	WG2024733
(S) o-Terphenyl	*105*			*52.0-156*		*03/18/2023 14:23*	WG2024733

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/10/2023 18:26	WG2021166
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*03/10/2023 18:26*	WG2021166

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	03/10/2023 17:08	WG2020471
Toluene	U		0.278	1.00	1	03/10/2023 17:08	WG2020471
Ethylbenzene	U		0.137	1.00	1	03/10/2023 17:08	WG2020471
Total Xylenes	U		0.174	3.00	1	03/10/2023 17:08	WG2020471
(S) Toluene-d8	*104*			*80.0-120*		*03/10/2023 17:08*	WG2020471
(S) 4-Bromofluorobenzene	*96.7*			*77.0-126*		*03/10/2023 17:08*	WG2020471
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*03/10/2023 17:08*	WG2020471

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	03/17/2023 21:02	WG2024282
Residual Range Organics (RRO)	104	J	83.3	250	1	03/17/2023 21:02	WG2024282
(S) o-Terphenyl	*76.5*			*52.0-156*		*03/17/2023 21:02*	WG2024282

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/10/2023 16:36	WG2021166
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*03/10/2023 16:36*	WG2021166

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	03/10/2023 12:05	WG2020765
Toluene	U		0.278	1.00	1	03/10/2023 12:05	WG2020765
Ethylbenzene	U		0.137	1.00	1	03/10/2023 12:05	WG2020765
Total Xylenes	U		0.174	3.00	1	03/10/2023 12:05	WG2020765
(S) Toluene-d8	*107*			*80.0-120*		*03/10/2023 12:05*	WG2020765
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*03/10/2023 12:05*	WG2020765
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/10/2023 12:05*	WG2020765

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	148	J	92.0	276	1.38	03/18/2023 16:37	WG2024733
Residual Range Organics (RRO)	188	J	115	345	1.38	03/18/2023 16:37	WG2024733
(S) o-Terphenyl	*94.6*			*52.0-156*		*03/18/2023 16:37*	WG2024733

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	158		31.6	100	1	03/10/2023 18:48	WG2021166
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*		*03/10/2023 18:48*	WG2021166

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	4.96		0.0941	1.00	1	03/10/2023 13:05	WG2020765
Toluene	U		0.278	1.00	1	03/10/2023 13:05	WG2020765
Ethylbenzene	U		0.137	1.00	1	03/10/2023 13:05	WG2020765
Total Xylenes	0.421	J	0.174	3.00	1	03/10/2023 13:05	WG2020765
(S) Toluene-d8	*105*			*80.0-120*		*03/10/2023 13:05*	WG2020765
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*03/10/2023 13:05*	WG2020765
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*03/10/2023 13:05*	WG2020765

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	232		66.7	200	1	03/18/2023 17:00	WG2024733
Residual Range Organics (RRO)	186	J	83.3	250	1	03/18/2023 17:00	WG2024733
(S) o-Terphenyl	*113*			*52.0-156*		*03/18/2023 17:00*	WG2024733

Sample Narrative:

L1593002-22 WG2024733: Sample does not resemble laboratory standards.

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	9430		31.6	100	1	03/10/2023 19:10	WG2021166
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*03/10/2023 19:10*	WG2021166

Volatile Organic Compounds (GC/MS) by Method 8260D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Benzene	164		0.0941	1.00	1	03/10/2023 13:25	WG2020765
Toluene	6.91		0.278	1.00	1	03/10/2023 13:25	WG2020765
Ethylbenzene	162		0.137	1.00	1	03/10/2023 13:25	WG2020765
Total Xylenes	740		3.48	60.0	20	03/14/2023 18:10	WG2022842
(S) Toluene-d8	*101*			*80.0-120*		*03/10/2023 13:25*	WG2020765
(S) Toluene-d8	*96.3*			*80.0-120*		*03/14/2023 18:10*	WG2022842
(S) 4-Bromofluorobenzene	*123*			*77.0-126*		*03/10/2023 13:25*	WG2020765
(S) 4-Bromofluorobenzene	*92.5*			*77.0-126*		*03/14/2023 18:10*	WG2022842
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*03/10/2023 13:25*	WG2020765
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*03/14/2023 18:10*	WG2022842

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	7570		333	1000	5	03/17/2023 22:41	WG2024282
Residual Range Organics (RRO)	1430		417	1250	5	03/17/2023 22:41	WG2024282
(S) o-Terphenyl	*87.0*			*52.0-156*		*03/17/2023 22:41*	WG2024282

Sample Narrative:

L1593002-23 WG2024282: Sample resembles laboratory standard for Jet Fuel. and Kerosene

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	83.1	J	31.6	100	1	03/10/2023 19:32	WG2021166
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*03/10/2023 19:32*	WG2021166

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.0996	J	0.0941	1.00	1	03/10/2023 13:45	WG2020765
Toluene	U		0.278	1.00	1	03/10/2023 13:45	WG2020765
Ethylbenzene	0.493	J	0.137	1.00	1	03/10/2023 13:45	WG2020765
Total Xylenes	0.306	J	0.174	3.00	1	03/14/2023 13:51	WG2022842
(S) Toluene-d8	*108*			*80.0-120*		*03/10/2023 13:45*	WG2020765
(S) Toluene-d8	*99.2*			*80.0-120*		*03/14/2023 13:51*	WG2022842
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*03/10/2023 13:45*	WG2020765
(S) 4-Bromofluorobenzene	*89.5*			*77.0-126*		*03/14/2023 13:51*	WG2022842
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*03/10/2023 13:45*	WG2020765
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*03/14/2023 13:51*	WG2022842

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	73.4	J	66.7	200	1	03/17/2023 21:22	WG2024282
Residual Range Organics (RRO)	103	J	83.3	250	1	03/17/2023 21:22	WG2024282
(S) o-Terphenyl	*82.0*			*52.0-156*		*03/17/2023 21:22*	WG2024282

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	10200		316	1000	10	03/10/2023 23:11	WG2021166
(S) a,a,a-Trifluorotoluene(FID)	*99.2*			*78.0-120*		*03/10/2023 23:11*	WG2021166

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	382		0.941	10.0	10	03/10/2023 15:46	WG2020765
Toluene	40.2		2.78	10.0	10	03/10/2023 15:46	WG2020765
Ethylbenzene	791		1.37	10.0	10	03/10/2023 15:46	WG2020765
Total Xylenes	1100		1.74	30.0	10	03/10/2023 15:46	WG2020765
(S) Toluene-d8	*103*			*80.0-120*		*03/10/2023 15:46*	WG2020765
(S) 4-Bromofluorobenzene	*114*			*77.0-126*		*03/10/2023 15:46*	WG2020765
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*03/10/2023 15:46*	WG2020765

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3270		66.7	200	1	03/17/2023 21:41	WG2024282
Residual Range Organics (RRO)	877		83.3	250	1	03/17/2023 21:41	WG2024282
(S) o-Terphenyl	*73.0*			*52.0-156*		*03/17/2023 21:41*	WG2024282

Sample Narrative:

L1593002-25 WG2024282: Sample does not resemble laboratory standards.

QUALITY CONTROL SUMMARY

L1593002-01,02,12,13,14,15

Method Blank (MB)

(MB) R3900426-2 03/10/23 11:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	57.9	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3900426-1 03/10/23 10:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5590	102	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*78.0-120*	

Method Blank (MB)

(MB) R3900311-2 03/10/23 15:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*109*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3900311-1 03/10/23 13:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5110	92.9	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*78.0-120*	

Method Blank (MB)

(MB) R3900658-2 03/13/23 19:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3900658-1 03/13/23 17:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5490	99.8	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*78.0-120*	

Method Blank (MB)

(MB) R3900659-2 03/13/23 19:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*108*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3900659-1 03/13/23 17:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5490	99.8	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*78.0-120*	

QUALITY CONTROL SUMMARY

L1593002-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,18,19,20

Method Blank (MB)

(MB) R3900527-2 03/10/23 10:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3900527-1 03/10/23 08:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.16	83.2	70.0-123	
Toluene	5.00	4.14	82.8	79.0-120	
Ethylbenzene	5.00	4.14	82.8	79.0-123	
Xylenes, Total	15.0	12.0	80.0	79.0-123	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*94.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*100*	*70.0-130*	

Method Blank (MB)

(MB) R3899567-2 03/10/23 09:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*110*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3899567-1 03/10/23 08:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.91	98.2	70.0-123	
Toluene	5.00	4.88	97.6	79.0-120	
Ethylbenzene	5.00	4.35	87.0	79.0-123	
Xylenes, Total	15.0	13.8	92.0	79.0-123	
(S) Toluene-d8			*105*	*80.0-120*	
(S) 4-Bromofluorobenzene			*112*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*99.8*	*70.0-130*	

Method Blank (MB)

(MB) R3900780-3 03/13/23 23:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3900780-1 03/13/23 22:59 • (LCSD) R3900780-2 03/13/23 23:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.61	5.67	112	113	70.0-123			1.06	20
Toluene	5.00	5.42	5.55	108	111	79.0-120			2.37	20
Ethylbenzene	5.00	5.45	5.43	109	109	79.0-123			0.368	20
Xylenes, Total	15.0	15.8	16.0	105	107	79.0-123			1.26	20
(S) Toluene-d8				*103*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.0*	*97.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*94.1*	*92.6*	*70.0-130*				

Method Blank (MB)

(MB) R3901254-3 03/14/23 10:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*93.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*82.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3901254-1 03/14/23 09:26 • (LCSD) R3901254-2 03/14/23 09:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Xylenes, Total	15.0	14.9	14.7	99.3	98.0	79.0-123			1.35	20
(S) Toluene-d8				*94.8*	*94.4*	*80.0-120*				
(S) 4-Bromofluorobenzene				*87.4*	*90.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*95.3*	*98.4*	*70.0-130*				

Method Blank (MB)

(MB) R3902228-3 03/17/23 10:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*77.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3902228-1 03/17/23 09:43 • (LCSD) R3902228-2 03/17/23 10:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1410	1340	94.0	89.3	50.0-150			5.09	20
(S) o-Terphenyl				*90.5*	*83.5*	*52.0-156*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3902774-1 03/18/23 12:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*122*			*52.0-156*

Method Blank (MB)

(MB) R3902847-1 03/20/23 00:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*76.3*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3902774-2 03/18/23 12:31 • (LCSD) R3902774-3 03/18/23 12:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1430	1730	1650	121	115	50.0-150			4.73	20
(S) o-Terphenyl				*103*	*119*	*52.0-156*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

ACCREDITATIONS & LOCATIONS

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1,6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

Page 1 of 1

BP Site Node Path: BP>USA>WA>WA-MH-34 (Manhole 34 Project Site)

Req Due Date (mm/dd/yy):

Rush TAT Yes ____ No XXX

Lab Work Order Number:

Lab Name: Pace Analytical National
Lab Address: 12065 Lebanon Rd, Mount Juliet, TN 37122
Lab PM: Jared Starkey
Lab Phone: 615-773-9698
Lab Shipping Accnt:
Lab Bottle Order No:
Other Info:

BP/ARC Facility Address: 6th St. & Yakima Valley Hwy
City, State, ZIP Code: Sunnyside, WA
Lead Regulatory Agency:
California Global ID No.:
Enfos Proposal No: D01BZ-0001
Accounting Mode: Provision (10)
Stage 70 Activity 116

Consultant/Contractor: Parsons
Consultant/Contractor Project No:
Address:
Consultant/Contractor PM: Cynthia Oppenheimer
Phone: 925-324-4895
Send/Submit EDD to: cynthia.oppenheimer@parsons.com
Invoice To: PARSONS – BP-RM Enfos BP-Other ______

BP/RM PM: John Frankenthal
PM Phone: 331-236-1391
PM Email: john.frankenthal@bp.com

Report Type & QC Level

Limited (Standard) Package XX
Limited Plus Package ____
Full Package ——

				Sample Details						Requested Analyses			Report Type & QC Level
										Filt			
										Pres			
Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	NWTPH-Gx	BTEX (8260B)	NWTPH-DRO/HRO	4593002
-01	MW-1-03072023	03/07/23	1124	GW				G	8		x	x	x	-01
-02	MW-2-03072023	03/07/23	1202					G	8		x	x	x	-02 HR 3/9
-03	MW-3-03072023	03/07/23	1210					G	8		x	x	x	-03
-04	MW-4-03072023	03/07/23	1134					G	8		x	x	x	-04
-05	MW-8-03072023	03/07/23	1036					G	8		x	x	x	-05
-06	MW-10-03062023	03/06/23	1615					G	8		x	x	x	-06
-07	MW-12-03062023	03/06/23	1521	↓				G	8		x	x	x	-07

Sampler's Name: Fonda DeSantos
Sampler's Company: Parsons
Ship Method: Shipped via fedex Ship Date:
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Fonda D				3/8/23	900

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ________ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP LaMP Soil/H2O COC July 2018

Proprietary and Confidential
Property of BP and its Affiliates

Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

Page 1 of 1

BP Site Node Path: BP>USA>WA>WA-MH-34 (Manhole 34 Project Site)

Req Due Date (mm/dd/yy): ______ Rush TAT Yes ____ No XXX

Lab Work Order Number: ______

Lab Name: Pace Analytical National
Lab Address: 12065 Lebanon Rd, Mount Juliet, TN 37122
Lab PM: Jared Starkey
Lab Phone: 615-773-9698
Lab Shipping Accnt:
Lab Bottle Order No:
Other Info:

BP/ARC Facility Address: 6th St. & Yakima Valley Hwy
City, State, ZIP Code: Sunnyside, WA
Lead Regulatory Agency:
California Global ID No.:
Enfos Proposal No: D01BZ-0001
Accounting Mode: Provision (10)
Stage 70 Activity 116

Consultant/Contractor: Parsons
Consultant/Contractor Project No:
Address:
Consultant/Contractor PM: Cynthia Oppenheimer
Phone: 925-324-4895
Send/Submit EDD to: cynthia.oppenheimer@parsons.com
Invoice To: PARSONS — BP-RM Enfos BP-Other ________

BP/RM PM: John Frankenthal
PM Phone: 331-236-1391
PM Email: john.frankenthal@bp.com

Report Type & QC Level

Limited (Standard) Package XX
Limited Plus Package ____
Full Package ——

L1593002

				Sample Details						**Requested Analyses**		
Lab No.	**Sample Description**	**Date**	**Time**	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	NWTPH-Gx	BTEX (8260B)	NWTPH-DRO/HRO
-08	MW-25-03062023	03/06/23	1704	GW				G	8		x	x	x
-09	MW-27-03072023	03/07/23	1423						8		x	x	x
-10	MW-31-03072023	03/07/23	0834						8		x	x	x
-11	MW-32-03072023	03/07/23	0901						8		x	x	x
-12	MW-33-03072023	03/07/23	0931						8		x	x	x
-13	MW-39-03072023	03/07/23	0956						8		x	x	x
-14	MW-40-03072023	03/07/23	0841						8		x	x	x

Sampler's Name: Fonda DeSantos
Sampler's Company: Parsons
Ship Method: Shipped via Fedex Ship Date:
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
				3/8/23	800

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ________ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP LaMP Soil/H2O COC July 2018

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Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

Page 1 of 1

BP Site Node Path: BP>USA>WA>WA-MH-34 (Manhole 34 Project Site)

Req Due Date (mm/dd/yy): ________ Rush TAT Yes ____ No XXX

Lab Work Order Number: ________

Lab Name:	Pace Analytical National	BP/ARC Facility Address:	6th St. & Yakima Valley Hwy	Consultant/Contractor:	Parsons
Lab Address:	12065 Lebanon Rd, Mount Juliet, TN 37122	City, State, ZIP Code:	Sunnyside, WA	Consultant/Contractor Project No:	
Lab PM:	Jared Starkey	Lead Regulatory Agency:		Address:	
Lab Phone:	615-773-9698	California Global ID No.:		Consultant/Contractor PM:	Cynthia Oppenheimer
Lab Shipping Accnt:		Enfos Proposal No:	D01BZ-0001	Phone:	925-324-4895
Lab Bottle Order No:		Accounting Mode:	Provision (10)	Send/Submit EDD to:	cynthia.oppenheimer@parsons.com
Other Info:		Stage 70	Activity 116	Invoice To: PARSONS —	BP-RM Enfos BP-Other ____
BP/RM PM:	John Frankenthal				
PM Phone:	331-236-1391				
PM Email:	john.frankenthal@bp.com				

Report Type & QC Level

Limited (Standard) Package XX

Limited Plus Package ____

Full Package ____

L1593002

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	NWTPH-Gx	BTEX (8260B)	NWTPH-DRO/HRO
										Filt			
										Pres			
-15	MW-42-03072023	03/07/23	0924	GW				G	8		x	x	x
-16	DMW-2-03072023	03/07/23	1015						8		x	x	x
-17	DMW-5-03072023	03/07/23	1039						8		x	x	x
-18	MH-31-03072023	03/07/23	1253						8		x	x	x
-19	MH-32-03072023	03/07/23	1333						8		x	x	x
-20	BD-MH-34-03082023	03/08/23	1200	↓				↓	8		x	x	x
-21	TB-MH-34-03072023	03/07/23	1200						2		x	x	

Sampler's Name: Fonda DeSantos

Sampler's Company: Parsons

Ship Method: Shipped via FedEx Ship Date:

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
				3/8/23	0940

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ________ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP LaMP Soil/H2O COC July 2018

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bp rm

Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

Page 1 of 1

BP Site Node Path: BP>USA>WA>WA-MH-34 (Manhole 34 Project Site)

Req Due Date (mm/dd/yy): ____ Rush TAT Yes ____ No XXX

Lab Work Order Number:

Lab Name: Pace Analytical National	BP/ARC Facility Address: 6th St. & Yakima Valley Hwy	Consultant/Contractor: Parsons
Lab Address: 12065 Lebanon Rd, Mount Juliet, TN 37122	City, State, ZIP Code: Sunnyside, WA	Consultant/Contractor Project No:
Lab PM: Jared Starkey	Lead Regulatory Agency:	Address:
Lab Phone: 615-773-9698	California Global ID No.:	Consultant/Contractor PM: Cynthia Oppenheimer
Lab Shipping Accnt:	Enfos Proposal No: D01BZ-0001	Phone: 925-324-4895
Lab Bottle Order No:	Accounting Mode: Provision (10)	Send/Submit EDD to: cynthia.oppenheimer@parsons.com
Other Info:	Stage 70 Activity 116	Invoice To: PARSONS — BP-RM Enfos BP-Other ____

BP/RM PM: John Frankenthal

PM Phone: 331-236-1391

PM Email: john.frankenthal@bp.com

Report Type & QC Level

Limited (Standard) Package XX

Limited Plus Package ____

Full Package ——

L1593002

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	NWTPH-Gx	BTEX (8260B)	NWTPH-DRO/HRO
01	BD-MH-34-03072023	03/07/23	1200	GW				G	8		X	X	X

Sampler's Name: Fonda DeSantos

Sampler's Company: Parsons

Ship Method: Shipped via Fedex Ship Date:

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Fonda D				3/8/23	0900

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ________ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP LaMP Soil/H2O COC July 2018

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L1593002

Tracking Numbers	Temperature
62951090 6140	1.0 to-1.0
6150	1.9 to-1.9

3/9-NCF-L1593002 BPLAMPPARSONS

R5

Time estimate: 0h

Time spent: 0h

Members

Hailey Melson (responsible) JS Jared Starkey

Due on *13 March 2023 8:00 AM* for target *Done*

- ☐ Login Clarification needed
- ☐ Chain of custody is incomplete
- ☐ Please specify Metals requested
- ☐ Please specify TCLP requested
- ☑ Received additional samples not listed on COC
- ☐ Sample IDs on containers do not match IDs on COC
- ☐ Client did not "X" analysis
- ☐ Chain of Custody is missing
- ☐ If no COC: Received by:____________________
- ☐ If no COC: Date/Time:____________________
- ☐ If no COC: Temp./Cont.Rec./pH:______________
- ☐ If no COC: Carrier:______________
- ☐ If no COC: Tracking #:_______________
- ☐ Client informed by call
- ☐ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time:__________________
- ☐ PM initials:________________
- ☐ Client Contact:__________________

Comments

Hailey Melson *9 March 2023 10:57 AM*

Received IDs: MW-16-03062023 (3/6/23 @ 1514), MW-30-03062023 (3/6/23 @ 1601), MW-11-03062023 (3/6/23 @ 1701) Not listed on the COC.

Jared Starkey *9 March 2023 12:54 PM*

please add these to the login for the same analysis as the others

Jared Starkey *9 March 2023 1:08 PM*

client sent the attached cocs

Hailey Melson *9 March 2023 3:39 PM*

Done

ANALYTICAL REPORT

November 10, 2023

Parsons

Sample Delivery Group:	L1670429
Samples Received:	10/26/2023
Project Number:	
Description:	6th St. & Yakima Valley Hwy
Report To:	Cynthia Oppenheimer 9101 Burnet Road Suite 210 Austin, TX 78758

Entire Report Reviewed By: Shane Gambill

Shane Gambill
Project Manager

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

MW-1-10242023 L1670429-01 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 15:47	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161783	1	11/01/23 22:33	11/01/23 22:33	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 04:19	10/29/23 04:19	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161399	1	10/31/23 17:50	11/02/23 00:01	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161399	1	10/31/23 17:50	11/02/23 15:19	TJD	Mt. Juliet, TN

MW-2-10242023 L1670429-02 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 13:31	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161783	1	11/01/23 22:57	11/01/23 22:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 04:38	10/29/23 04:38	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161399	1	10/31/23 17:50	11/02/23 00:20	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161399	1	10/31/23 17:50	11/02/23 15:40	DMG	Mt. Juliet, TN

MW-3-10242023 L1670429-03 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 13:58	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161783	10	11/01/23 23:46	11/01/23 23:46	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	10	10/29/23 08:27	10/29/23 08:27	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/01/23 23:12	MAA	Mt. Juliet, TN

MW-4-10242023 L1670429-04 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 14:28	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161783	50	11/02/23 00:10	11/02/23 00:10	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	100	10/29/23 08:47	10/29/23 08:47	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/04/23 05:39	MAA	Mt. Juliet, TN

MW-8-10242023 L1670429-05 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 13:03	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2162726	1	11/02/23 08:23	11/02/23 08:23	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 04:57	10/29/23 04:57	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/01/23 23:52	MAA	Mt. Juliet, TN

MW-10-10232023 L1670429-06 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/23/23 13:39	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2162726	1	11/02/23 08:46	11/02/23 08:46	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 05:16	10/29/23 05:16	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161004	1	10/31/23 16:05	11/01/23 12:48	MAA	Mt. Juliet, TN

SAMPLE SUMMARY

MW-11-10232023 L1670429-07 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/23/23 14:30	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2162726	1	11/02/23 09:08	11/02/23 09:08	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	20	10/29/23 09:06	10/29/23 09:06	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161004	1	10/31/23 16:05	11/01/23 13:27	MAA	Mt. Juliet, TN

MW-12-10232023 L1670429-08 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/23/23 12:01	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 04:12	11/01/23 04:12	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 05:35	10/29/23 05:35	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161004	1	10/31/23 16:05	11/01/23 14:07	MAA	Mt. Juliet, TN

MW-16-10232023 L1670429-09 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/23/23 11:34	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 04:36	11/01/23 04:36	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 05:54	10/29/23 05:54	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161004	1	10/31/23 16:05	11/01/23 14:47	MAA	Mt. Juliet, TN

MW-25-10232023 L1670429-10 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/23/23 15:30	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 05:01	11/01/23 05:01	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 06:13	10/29/23 06:13	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/02/23 00:32	MAA	Mt. Juliet, TN

MW-30-10232023 L1670429-11 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/23/23 12:45	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	10	11/01/23 09:54	11/01/23 09:54	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	10	10/29/23 09:25	10/29/23 09:25	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	10	11/01/23 06:30	11/02/23 14:18	MAA	Mt. Juliet, TN

MW-31-10242023 L1670429-12 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 09:58	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 05:26	11/01/23 05:26	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	10	10/29/23 09:44	10/29/23 09:44	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/04/23 04:59	MAA	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-32-10242023 L1670429-13 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 09:00	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 05:50	11/01/23 05:50	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 06:32	10/29/23 06:32	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/02/23 01:13	MAA	Mt. Juliet, TN

MW-33-10242023 L1670429-14 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 09:28	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 06:15	11/01/23 06:15	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	5	10/29/23 10:04	10/29/23 10:04	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/02/23 01:53	MAA	Mt. Juliet, TN

MW-39-10242023 L1670429-15 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 11:53	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 06:39	11/01/23 06:39	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 06:52	10/29/23 06:52	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/02/23 02:33	MAA	Mt. Juliet, TN

MW-40-10242023 L1670429-16 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 11:19	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 07:03	11/01/23 07:03	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 07:11	10/29/23 07:11	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/02/23 06:19	MAA	Mt. Juliet, TN

MW-42-10242023 L1670429-17 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 12:30	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	10	11/01/23 10:18	11/01/23 10:18	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	25	10/29/23 10:23	10/29/23 10:23	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/02/23 06:59	MAA	Mt. Juliet, TN

MH-31-10242023 L1670429-18 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 07:48	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 07:28	11/01/23 07:28	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 07:30	10/29/23 07:30	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/02/23 07:40	MAA	Mt. Juliet, TN

SAMPLE SUMMARY

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MH-32-10242023 L1670429-19 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 08:17	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 07:52	11/01/23 07:52	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 07:49	10/29/23 07:49	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/02/23 12:57	MAA	Mt. Juliet, TN

DMW-2-10252023 L1670429-20 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/25/23 06:58	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 08:17	11/01/23 08:17	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160042	1	10/29/23 08:08	10/29/23 08:08	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/02/23 10:16	MAA	Mt. Juliet, TN

DMW-5-10242023 L1670429-21 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 10:41	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2162553	20	11/02/23 19:23	11/02/23 19:23	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160041	1	10/29/23 08:23	10/29/23 08:23	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2161379	25	11/01/23 04:43	11/01/23 04:43	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/02/23 10:56	MAA	Mt. Juliet, TN

BD-MH34-10232023 L1670429-22 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/23/23 12:00	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 08:41	11/01/23 08:41	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160041	1	10/29/23 08:44	10/29/23 08:44	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2161379	1	11/01/23 04:21	11/01/23 04:21	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/02/23 11:37	MAA	Mt. Juliet, TN

BD-MH34-10242023 L1670429-23 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/24/23 12:00	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 09:05	11/01/23 09:05	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160041	1	10/29/23 09:06	10/29/23 09:06	TJJ	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2161897	1	11/01/23 06:30	11/02/23 12:17	MAA	Mt. Juliet, TN

TB-MH-34-10232023 L1670429-24 GW

Collected by	Collected date/time	Received date/time
Aimee Rice	10/23/23 09:00	10/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2161852	1	11/01/23 02:59	11/01/23 02:59	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2160041	1	10/29/23 08:01	10/29/23 08:01	TJJ	Mt. Juliet, TN

CASE NARRATIVE

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Shane Gambill

Shane Gambill
Project Manager

MW-1-10242023

Collected date/time: 10/24/23 15:47

SAMPLE RESULTS - 01

L1670429

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	366		31.6	100	1	11/01/2023 22:33	WG2161783
(S) a,a,a-Trifluorotoluene(FID)	*92.5*			*78.0-120*		*11/01/2023 22:33*	WG2161783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	3.74		0.0941	1.00	1	10/29/2023 04:19	WG2160042
Toluene	8.87		0.278	1.00	1	10/29/2023 04:19	WG2160042
Ethylbenzene	32.6		0.137	1.00	1	10/29/2023 04:19	WG2160042
Total Xylenes	78.7		0.174	3.00	1	10/29/2023 04:19	WG2160042
(S) Toluene-d8	*111*			*80.0-120*		*10/29/2023 04:19*	WG2160042
(S) 4-Bromofluorobenzene	*89.7*			*77.0-126*		*10/29/2023 04:19*	WG2160042
(S) 1,2-Dichloroethane-d4	*89.5*			*70.0-130*		*10/29/2023 04:19*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	11/02/2023 15:19	WG2161399
Residual Range Organics (RRO)	113	J	83.3	250	1	11/02/2023 00:01	WG2161399
(S) o-Terphenyl	*66.8*			*52.0-156*		*11/02/2023 00:01*	WG2161399
(S) o-Terphenyl	*81.1*			*52.0-156*		*11/02/2023 15:19*	WG2161399

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	129		31.6	100	1	11/01/2023 22:57	WG2161783
(S) a,a,a-Trifluorotoluene(FID)	*90.6*			*78.0-120*		*11/01/2023 22:57*	WG2161783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.183	J	0.0941	1.00	1	10/29/2023 04:38	WG2160042
Toluene	U		0.278	1.00	1	10/29/2023 04:38	WG2160042
Ethylbenzene	U		0.137	1.00	1	10/29/2023 04:38	WG2160042
Total Xylenes	0.267	J	0.174	3.00	1	10/29/2023 04:38	WG2160042
(S) Toluene-d8	*106*			*80.0-120*		*10/29/2023 04:38*	WG2160042
(S) 4-Bromofluorobenzene	*82.8*			*77.0-126*		*10/29/2023 04:38*	WG2160042
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*10/29/2023 04:38*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	317		66.7	200	1	11/02/2023 15:40	WG2161399
Residual Range Organics (RRO)	118	J	83.3	250	1	11/02/2023 00:20	WG2161399
(S) o-Terphenyl	*113*			*52.0-156*		*11/02/2023 15:40*	WG2161399
(S) o-Terphenyl	*78.9*			*52.0-156*		*11/02/2023 00:20*	WG2161399

Sample Narrative:

L1670429-02 WG2161399: Sample resembles laboratory standard for Gasoline.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	4970		316	1000	10	11/01/2023 23:46	WG2161783
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*78.0-120*		*11/01/2023 23:46*	WG2161783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	93.3		0.941	10.0	10	10/29/2023 08:27	WG2160042
Toluene	9.37	J	2.78	10.0	10	10/29/2023 08:27	WG2160042
Ethylbenzene	40.1		1.37	10.0	10	10/29/2023 08:27	WG2160042
Total Xylenes	198		1.74	30.0	10	10/29/2023 08:27	WG2160042
(S) Toluene-d8	*117*			*80.0-120*		*10/29/2023 08:27*	WG2160042
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*		*10/29/2023 08:27*	WG2160042
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*		*10/29/2023 08:27*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	297		66.7	200	1	11/01/2023 23:12	WG2161897
Residual Range Organics (RRO)	U		83.3	250	1	11/01/2023 23:12	WG2161897
(S) o-Terphenyl	*125*			*52.0-156*		*11/01/2023 23:12*	WG2161897

Sample Narrative:

L1670429-03 WG2161897: Sample resembles laboratory standard for Jet Fuel.

MW-4-10242023

Collected date/time: 10/24/23 14:28

SAMPLE RESULTS - 04

L1670429

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	61100		1580	5000	50	11/02/2023 00:10	WG2161783
(S) a,a,a-Trifluorotoluene(FID)	*90.2*			*78.0-120*		*11/02/2023 00:10*	WG2161783

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	4010		9.41	100	100	10/29/2023 08:47	WG2160042
Toluene	4130		27.8	100	100	10/29/2023 08:47	WG2160042
Ethylbenzene	1790		13.7	100	100	10/29/2023 08:47	WG2160042
Total Xylenes	9730		17.4	300	100	10/29/2023 08:47	WG2160042
(S) Toluene-d8	*113*			*80.0-120*		*10/29/2023 08:47*	WG2160042
(S) 4-Bromofluorobenzene	*90.6*			*77.0-126*		*10/29/2023 08:47*	WG2160042
(S) 1,2-Dichloroethane-d4	*89.0*			*70.0-130*		*10/29/2023 08:47*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	4450		66.7	200	1	11/04/2023 05:39	WG2161897
Residual Range Organics (RRO)	299		83.3	250	1	11/04/2023 05:39	WG2161897
(S) o-Terphenyl	*138*			*52.0-156*		*11/04/2023 05:39*	WG2161897

Sample Narrative:

L1670429-04 WG2161897: Sample resembles laboratory standards for Gasoline and Diesel.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	11/02/2023 08:23	WG2162726
(S) a,a,a-Trifluorotoluene(FID)	*92.8*			*78.0-120*		*11/02/2023 08:23*	WG2162726

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	10/29/2023 04:57	WG2160042
Toluene	U		0.278	1.00	1	10/29/2023 04:57	WG2160042
Ethylbenzene	U		0.137	1.00	1	10/29/2023 04:57	WG2160042
Total Xylenes	U		0.174	3.00	1	10/29/2023 04:57	WG2160042
(S) Toluene-d8	*117*			*80.0-120*		*10/29/2023 04:57*	WG2160042
(S) 4-Bromofluorobenzene	*86.1*			*77.0-126*		*10/29/2023 04:57*	WG2160042
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*10/29/2023 04:57*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	1840		66.7	200	1	11/01/2023 23:52	WG2161897
Residual Range Organics (RRO)	568		83.3	250	1	11/01/2023 23:52	WG2161897
(S) o-Terphenyl	*154*			*52.0-156*		*11/01/2023 23:52*	WG2161897

Sample Narrative:

L1670429-05 WG2161897: Sample does not resemble laboratory standards.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	2200		31.6	100	1	11/02/2023 08:46	WG2162726
(S) a,a,a-Trifluorotoluene(FID)	*90.1*			*78.0-120*		*11/02/2023 08:46*	WG2162726

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	18.2		0.0941	1.00	1	10/29/2023 05:16	WG2160042
Toluene	1.50		0.278	1.00	1	10/29/2023 05:16	WG2160042
Ethylbenzene	118		0.137	1.00	1	10/29/2023 05:16	WG2160042
Total Xylenes	202		0.174	3.00	1	10/29/2023 05:16	WG2160042
(S) Toluene-d8	*110*			*80.0-120*		*10/29/2023 05:16*	WG2160042
(S) 4-Bromofluorobenzene	*89.1*			*77.0-126*		*10/29/2023 05:16*	WG2160042
(S) 1,2-Dichloroethane-d4	*90.1*			*70.0-130*		*10/29/2023 05:16*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	445		66.7	200	1	11/01/2023 12:48	WG2161004
Residual Range Organics (RRO)	U		83.3	250	1	11/01/2023 12:48	WG2161004
(S) o-Terphenyl	*108*			*52.0-156*		*11/01/2023 12:48*	WG2161004

Sample Narrative:

L1670429-06 WG2161004: Sample resembles laboratory standards for Gasoline & Kerosene.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	6350		31.6	100	1	11/02/2023 09:08	WG2162726
(S) a,a,a-Trifluorotoluene(FID)	*90.4*			*78.0-120*		*11/02/2023 09:08*	WG2162726

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	218		1.88	20.0	20	10/29/2023 09:06	WG2160042
Toluene	U		5.56	20.0	20	10/29/2023 09:06	WG2160042
Ethylbenzene	170		2.74	20.0	20	10/29/2023 09:06	WG2160042
Total Xylenes	400		3.48	60.0	20	10/29/2023 09:06	WG2160042
(S) Toluene-d8	*114*			*80.0-120*		*10/29/2023 09:06*	WG2160042
(S) 4-Bromofluorobenzene	*91.0*			*77.0-126*		*10/29/2023 09:06*	WG2160042
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*10/29/2023 09:06*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	3970		66.7	200	1	11/01/2023 13:27	WG2161004
Residual Range Organics (RRO)	1140		83.3	250	1	11/01/2023 13:27	WG2161004
(S) o-Terphenyl	*107*			*52.0-156*		*11/01/2023 13:27*	WG2161004

Sample Narrative:

L1670429-07 WG2161004: Sample resembles laboratory standards for Gasoline & Kerosene.

MW-12-10232023

Collected date/time: 10/23/23 12:01

SAMPLE RESULTS - 08

L1670429

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	11/01/2023 04:12	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.1*			*78.0-120*		*11/01/2023 04:12*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	10/29/2023 05:35	WG2160042
Toluene	U		0.278	1.00	1	10/29/2023 05:35	WG2160042
Ethylbenzene	U		0.137	1.00	1	10/29/2023 05:35	WG2160042
Total Xylenes	U		0.174	3.00	1	10/29/2023 05:35	WG2160042
(S) Toluene-d8	*116*			*80.0-120*		*10/29/2023 05:35*	WG2160042
(S) 4-Bromofluorobenzene	*84.0*			*77.0-126*		*10/29/2023 05:35*	WG2160042
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*10/29/2023 05:35*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	11/01/2023 14:07	WG2161004
Residual Range Organics (RRO)	140	J	83.3	250	1	11/01/2023 14:07	WG2161004
(S) o-Terphenyl	*75.8*			*52.0-156*		*11/01/2023 14:07*	WG2161004

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	11/01/2023 04:36	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*78.0-120*		*11/01/2023 04:36*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	10/29/2023 05:54	WG2160042
Toluene	U		0.278	1.00	1	10/29/2023 05:54	WG2160042
Ethylbenzene	U		0.137	1.00	1	10/29/2023 05:54	WG2160042
Total Xylenes	U		0.174	3.00	1	10/29/2023 05:54	WG2160042
(S) Toluene-d8	*116*			*80.0-120*		*10/29/2023 05:54*	WG2160042
(S) 4-Bromofluorobenzene	*87.3*			*77.0-126*		*10/29/2023 05:54*	WG2160042
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*10/29/2023 05:54*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	11/01/2023 14:47	WG2161004
Residual Range Organics (RRO)	93.1	J	83.3	250	1	11/01/2023 14:47	WG2161004
(S) o-Terphenyl	*95.3*			*52.0-156*		*11/01/2023 14:47*	WG2161004

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	40.6	B J	31.6	100	1	11/01/2023 05:01	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*92.8*			*78.0-120*		*11/01/2023 05:01*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	10/29/2023 06:13	WG2160042
Toluene	U		0.278	1.00	1	10/29/2023 06:13	WG2160042
Ethylbenzene	U		0.137	1.00	1	10/29/2023 06:13	WG2160042
Total Xylenes	U		0.174	3.00	1	10/29/2023 06:13	WG2160042
(S) Toluene-d8	*114*			*80.0-120*		*10/29/2023 06:13*	WG2160042
(S) 4-Bromofluorobenzene	*87.9*			*77.0-126*		*10/29/2023 06:13*	WG2160042
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*10/29/2023 06:13*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	11/02/2023 00:32	WG2161897
Residual Range Organics (RRO)	113	J	83.3	250	1	11/02/2023 00:32	WG2161897
(S) o-Terphenyl	*123*			*52.0-156*		*11/02/2023 00:32*	WG2161897

MW-30-10232023

Collected date/time: 10/23/23 12:45

SAMPLE RESULTS - 11

L1670429

Volatile Organic Compounds (GC) by Method NWTPHGX

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	13600		316	1000	10	11/01/2023 09:54	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.4*			*78.0-120*		*11/01/2023 09:54*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Benzene	385		0.941	10.0	10	10/29/2023 09:25	WG2160042
Toluene	38.5		2.78	10.0	10	10/29/2023 09:25	WG2160042
Ethylbenzene	1250		1.37	10.0	10	10/29/2023 09:25	WG2160042
Total Xylenes	572		1.74	30.0	10	10/29/2023 09:25	WG2160042
(S) Toluene-d8	*114*			*80.0-120*		*10/29/2023 09:25*	WG2160042
(S) 4-Bromofluorobenzene	*92.0*			*77.0-126*		*10/29/2023 09:25*	WG2160042
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*		*10/29/2023 09:25*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	2820		667	2000	10	11/02/2023 14:18	WG2161897
Residual Range Organics (RRO)	U		833	2500	10	11/02/2023 14:18	WG2161897
(S) o-Terphenyl	*128*			*52.0-156*		*11/02/2023 14:18*	WG2161897

Sample Narrative:

L1670429-11 WG2161897: Sample resembles laboratory standard for Gasoline.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	2280		31.6	100	1	11/01/2023 05:26	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.8*			*78.0-120*		*11/01/2023 05:26*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	144		0.941	10.0	10	10/29/2023 09:44	WG2160042
Toluene	U		2.78	10.0	10	10/29/2023 09:44	WG2160042
Ethylbenzene	46.7		1.37	10.0	10	10/29/2023 09:44	WG2160042
Total Xylenes	26.5	J	1.74	30.0	10	10/29/2023 09:44	WG2160042
(S) Toluene-d8	*117*			*80.0-120*		*10/29/2023 09:44*	WG2160042
(S) 4-Bromofluorobenzene	*90.8*			*77.0-126*		*10/29/2023 09:44*	WG2160042
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*		*10/29/2023 09:44*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	891		66.7	200	1	11/04/2023 04:59	WG2161897
Residual Range Organics (RRO)	569		83.3	250	1	11/04/2023 04:59	WG2161897
(S) o-Terphenyl	*138*			*52.0-156*		*11/04/2023 04:59*	WG2161897

Sample Narrative:

L1670429-12 WG2161897: Sample resembles laboratory standard for Gasoline.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	69.1	B J	31.6	100	1	11/01/2023 05:50	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*78.0-120*		*11/01/2023 05:50*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	10/29/2023 06:32	WG2160042
Toluene	U		0.278	1.00	1	10/29/2023 06:32	WG2160042
Ethylbenzene	U		0.137	1.00	1	10/29/2023 06:32	WG2160042
Total Xylenes	U		0.174	3.00	1	10/29/2023 06:32	WG2160042
(S) Toluene-d8	*114*			*80.0-120*		*10/29/2023 06:32*	WG2160042
(S) 4-Bromofluorobenzene	*88.0*			*77.0-126*		*10/29/2023 06:32*	WG2160042
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*10/29/2023 06:32*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	11/02/2023 01:13	WG2161897
Residual Range Organics (RRO)	U		83.3	250	1	11/02/2023 01:13	WG2161897
(S) o-Terphenyl	*130*			*52.0-156*		*11/02/2023 01:13*	WG2161897

Sample Narrative:

L1670429-13 WG2161897: Sample does not resemble laboratory standards.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	7200		31.6	100	1	11/01/2023 06:15	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*92.5*			*78.0-120*		*11/01/2023 06:15*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	4.66	J	0.471	5.00	5	10/29/2023 10:04	WG2160042
Toluene	1.96	J	1.39	5.00	5	10/29/2023 10:04	WG2160042
Ethylbenzene	38.8		0.685	5.00	5	10/29/2023 10:04	WG2160042
Total Xylenes	993		0.870	15.0	5	10/29/2023 10:04	WG2160042
(S) Toluene-d8	*115*			*80.0-120*		*10/29/2023 10:04*	WG2160042
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*10/29/2023 10:04*	WG2160042
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*		*10/29/2023 10:04*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	997		66.7	200	1	11/02/2023 01:53	WG2161897
Residual Range Organics (RRO)	U		83.3	250	1	11/02/2023 01:53	WG2161897
(S) o-Terphenyl	*133*			*52.0-156*		*11/02/2023 01:53*	WG2161897

Sample Narrative:

L1670429-14 WG2161897: Sample resembles laboratory standard for Jet Fuel.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	197	B	31.6	100	1	11/01/2023 06:39	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*78.0-120*		*11/01/2023 06:39*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	1.22		0.0941	1.00	1	10/29/2023 06:52	WG2160042
Toluene	U		0.278	1.00	1	10/29/2023 06:52	WG2160042
Ethylbenzene	U		0.137	1.00	1	10/29/2023 06:52	WG2160042
Total Xylenes	U		0.174	3.00	1	10/29/2023 06:52	WG2160042
(S) Toluene-d8	*114*			*80.0-120*		*10/29/2023 06:52*	WG2160042
(S) 4-Bromofluorobenzene	*84.7*			*77.0-126*		*10/29/2023 06:52*	WG2160042
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*10/29/2023 06:52*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	11/02/2023 02:33	WG2161897
Residual Range Organics (RRO)	U		83.3	250	1	11/02/2023 02:33	WG2161897
(S) o-Terphenyl	*133*			*52.0-156*		*11/02/2023 02:33*	WG2161897

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	77.5	B J	31.6	100	1	11/01/2023 07:03	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.0*			*78.0-120*		*11/01/2023 07:03*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.303	J	0.0941	1.00	1	10/29/2023 07:11	WG2160042
Toluene	U		0.278	1.00	1	10/29/2023 07:11	WG2160042
Ethylbenzene	U		0.137	1.00	1	10/29/2023 07:11	WG2160042
Total Xylenes	U		0.174	3.00	1	10/29/2023 07:11	WG2160042
(S) Toluene-d8	*118*			*80.0-120*		*10/29/2023 07:11*	WG2160042
(S) 4-Bromofluorobenzene	*85.4*			*77.0-126*		*10/29/2023 07:11*	WG2160042
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*10/29/2023 07:11*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	11/02/2023 06:19	WG2161897
Residual Range Organics (RRO)	U		83.3	250	1	11/02/2023 06:19	WG2161897
(S) o-Terphenyl	*133*			*52.0-156*		*11/02/2023 06:19*	WG2161897

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	23300		316	1000	10	11/01/2023 10:18	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*78.0-120*		*11/01/2023 10:18*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	27.4		2.35	25.0	25	10/29/2023 10:23	WG2160042
Toluene	329		6.95	25.0	25	10/29/2023 10:23	WG2160042
Ethylbenzene	1310		3.43	25.0	25	10/29/2023 10:23	WG2160042
Total Xylenes	4680		4.35	75.0	25	10/29/2023 10:23	WG2160042
(S) Toluene-d8	*113*			*80.0-120*		*10/29/2023 10:23*	WG2160042
(S) 4-Bromofluorobenzene	*88.7*			*77.0-126*		*10/29/2023 10:23*	WG2160042
(S) 1,2-Dichloroethane-d4	*89.8*			*70.0-130*		*10/29/2023 10:23*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	4590		66.7	200	1	11/02/2023 06:59	WG2161897
Residual Range Organics (RRO)	410		83.3	250	1	11/02/2023 06:59	WG2161897
(S) o-Terphenyl	*139*			*52.0-156*		*11/02/2023 06:59*	WG2161897

Sample Narrative:

L1670429-17 WG2161897: Sample resembles laboratory standard for Jet Fuel.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	38.4	B J	31.6	100	1	11/01/2023 07:28	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*92.2*			*78.0-120*		*11/01/2023 07:28*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.758	J	0.0941	1.00	1	10/29/2023 07:30	WG2160042
Toluene	U		0.278	1.00	1	10/29/2023 07:30	WG2160042
Ethylbenzene	0.254	J	0.137	1.00	1	10/29/2023 07:30	WG2160042
Total Xylenes	U		0.174	3.00	1	10/29/2023 07:30	WG2160042
(S) Toluene-d8	*117*			*80.0-120*		*10/29/2023 07:30*	WG2160042
(S) 4-Bromofluorobenzene	*85.0*			*77.0-126*		*10/29/2023 07:30*	WG2160042
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*10/29/2023 07:30*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	11/02/2023 07:40	WG2161897
Residual Range Organics (RRO)	U		83.3	250	1	11/02/2023 07:40	WG2161897
(S) o-Terphenyl	*125*			*52.0-156*		*11/02/2023 07:40*	WG2161897

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	56.7	B J	31.6	100	1	11/01/2023 07:52	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*78.0-120*		*11/01/2023 07:52*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	10/29/2023 07:49	WG2160042
Toluene	U		0.278	1.00	1	10/29/2023 07:49	WG2160042
Ethylbenzene	U		0.137	1.00	1	10/29/2023 07:49	WG2160042
Total Xylenes	U		0.174	3.00	1	10/29/2023 07:49	WG2160042
(S) Toluene-d8	*115*			*80.0-120*		*10/29/2023 07:49*	WG2160042
(S) 4-Bromofluorobenzene	*85.4*			*77.0-126*		*10/29/2023 07:49*	WG2160042
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*		*10/29/2023 07:49*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	11/02/2023 12:57	WG2161897
Residual Range Organics (RRO)	U		83.3	250	1	11/02/2023 12:57	WG2161897
(S) o-Terphenyl	*128*			*52.0-156*		*11/02/2023 12:57*	WG2161897

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	453		31.6	100	1	11/01/2023 08:17	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.7*			*78.0-120*		*11/01/2023 08:17*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.412	J	0.0941	1.00	1	10/29/2023 08:08	WG2160042
Toluene	U		0.278	1.00	1	10/29/2023 08:08	WG2160042
Ethylbenzene	34.7		0.137	1.00	1	10/29/2023 08:08	WG2160042
Total Xylenes	0.573	J	0.174	3.00	1	10/29/2023 08:08	WG2160042
(S) Toluene-d8	*114*			*80.0-120*		*10/29/2023 08:08*	WG2160042
(S) 4-Bromofluorobenzene	*88.6*			*77.0-126*		*10/29/2023 08:08*	WG2160042
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*		*10/29/2023 08:08*	WG2160042

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	11/02/2023 10:16	WG2161897
Residual Range Organics (RRO)	U		83.3	250	1	11/02/2023 10:16	WG2161897
(S) o-Terphenyl	*123*			*52.0-156*		*11/02/2023 10:16*	WG2161897

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	18200		632	2000	20	11/02/2023 19:23	WG2162553
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*78.0-120*		*11/02/2023 19:23*	WG2162553

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	89.9		0.0941	1.00	1	10/29/2023 08:23	WG2160041
Toluene	16.9		0.278	1.00	1	10/29/2023 08:23	WG2160041
Ethylbenzene	1370		3.43	25.0	25	11/01/2023 04:43	WG2161379
Total Xylenes	2080		4.35	75.0	25	11/01/2023 04:43	WG2161379
(S) Toluene-d8	*112*			*80.0-120*		*10/29/2023 08:23*	WG2160041
(S) Toluene-d8	*102*			*80.0-120*		*11/01/2023 04:43*	WG2161379
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*10/29/2023 08:23*	WG2160041
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*		*11/01/2023 04:43*	WG2161379
(S) 1,2-Dichloroethane-d4	*98.2*			*70.0-130*		*10/29/2023 08:23*	WG2160041
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*11/01/2023 04:43*	WG2161379

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2860		66.7	200	1	11/02/2023 10:56	WG2161897
Residual Range Organics (RRO)	460		83.3	250	1	11/02/2023 10:56	WG2161897
(S) o-Terphenyl	*166*	J1		*52.0-156*		*11/02/2023 10:56*	WG2161897

Sample Narrative:

L1670429-21 WG2161897: Sample resembles laboratory standard for Jet Fuel.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	11/01/2023 08:41	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*78.0-120*		*11/01/2023 08:41*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.145	J	0.0941	1.00	1	10/29/2023 08:44	WG2160041
Toluene	U		0.278	1.00	1	10/29/2023 08:44	WG2160041
Ethylbenzene	U		0.137	1.00	1	11/01/2023 04:21	WG2161379
Total Xylenes	U		0.174	3.00	1	11/01/2023 04:21	WG2161379
(S) Toluene-d8	*109*			*80.0-120*		*10/29/2023 08:44*	WG2160041
(S) Toluene-d8	*104*			*80.0-120*		*11/01/2023 04:21*	WG2161379
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*10/29/2023 08:44*	WG2160041
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*11/01/2023 04:21*	WG2161379
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*10/29/2023 08:44*	WG2160041
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*11/01/2023 04:21*	WG2161379

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	11/02/2023 11:37	WG2161897
Residual Range Organics (RRO)	U		83.3	250	1	11/02/2023 11:37	WG2161897
(S) o-Terphenyl	*121*			*52.0-156*		*11/02/2023 11:37*	WG2161897

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	49.4	B J	31.6	100	1	11/01/2023 09:05	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.9*			*78.0-120*		*11/01/2023 09:05*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.530	J	0.0941	1.00	1	10/29/2023 09:06	WG2160041
Toluene	U		0.278	1.00	1	10/29/2023 09:06	WG2160041
Ethylbenzene	0.722	J	0.137	1.00	1	10/29/2023 09:06	WG2160041
Total Xylenes	1.09	J	0.174	3.00	1	10/29/2023 09:06	WG2160041
(S) Toluene-d8	*113*			*80.0-120*		*10/29/2023 09:06*	WG2160041
(S) 4-Bromofluorobenzene	*89.9*			*77.0-126*		*10/29/2023 09:06*	WG2160041
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/29/2023 09:06*	WG2160041

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	11/02/2023 12:17	WG2161897
Residual Range Organics (RRO)	U		83.3	250	1	11/02/2023 12:17	WG2161897
(S) o-Terphenyl	*128*			*52.0-156*		*11/02/2023 12:17*	WG2161897

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	11/01/2023 02:59	WG2161852
(S) a,a,a-Trifluorotoluene(FID)	*93.1*			*78.0-120*		*11/01/2023 02:59*	WG2161852

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	10/29/2023 08:01	WG2160041
Toluene	U		0.278	1.00	1	10/29/2023 08:01	WG2160041
Ethylbenzene	U		0.137	1.00	1	10/29/2023 08:01	WG2160041
Total Xylenes	U		0.174	3.00	1	10/29/2023 08:01	WG2160041
(S) Toluene-d8	*109*			*80.0-120*		*10/29/2023 08:01*	WG2160041
(S) 4-Bromofluorobenzene	*89.4*			*77.0-126*		*10/29/2023 08:01*	WG2160041
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/29/2023 08:01*	WG2160041

Method Blank (MB)

(MB) R3994359-3 11/01/23 14:44

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*92.6*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3994359-1 11/01/23 13:30 • (LCSD) R3994359-2 11/01/23 13:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	4820	4880	87.6	88.7	70.0-124			1.24	20
(S) a,a,a-Trifluorotoluene(FID)				*97.8*	*97.8*	*78.0-120*				

Method Blank (MB)

(MB) R3994071-2 11/01/23 02:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	43.6	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*92.7*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3994071-1 11/01/23 01:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	6440	117	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*97.2*	*78.0-120*	

L1670379-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1670379-01 11/01/23 03:48 • (MS) R3994071-3 11/01/23 11:07 • (MSD) R3994071-4 11/01/23 11:31

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	48.1	5570	5940	100	107	1	10.0-155			6.43	21
(S) a,a,a-Trifluorotoluene(FID)					*103*	*98.9*		*78.0-120*				

Method Blank (MB)

(MB) R3994988-2 11/02/23 16:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*93.4*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3994988-1 11/02/23 15:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5620	102	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*95.7*	*78.0-120*	

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3994515-2 11/02/23 07:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*92.9*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3994515-1 11/02/23 06:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5010	91.1	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*99.8*	*78.0-120*	

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3993618-3 10/29/23 06:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Total Xylenes	U		0.174	3.00
(S) Toluene-d8	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*85.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3993618-1 10/29/23 05:50 • (LCSD) R3993618-2 10/29/23 06:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.93	4.95	98.6	99.0	70.0-123			0.405	20
Toluene	5.00	4.83	5.02	96.6	100	79.0-120			3.86	20
Ethylbenzene	5.00	4.55	4.77	91.0	95.4	79.0-123			4.72	20
Total Xylenes	15.0	13.6	14.3	90.7	95.3	79.0-123			5.02	20
(S) Toluene-d8				*108*	*109*	*80.0-120*				
(S) 4-Bromofluorobenzene				*91.9*	*94.5*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*104*	*70.0-130*				

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3993008-3 10/29/23 04:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Total Xylenes	U		0.174	3.00
(S) Toluene-d8	*116*			*80.0-120*
(S) 4-Bromofluorobenzene	*82.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*93.7*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3993008-1 10/29/23 03:03 • (LCSD) R3993008-2 10/29/23 03:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.79	4.71	95.8	94.2	70.0-123			1.68	20
Toluene	5.00	5.54	5.34	111	107	79.0-120			3.68	20
Ethylbenzene	5.00	5.03	4.69	101	93.8	79.0-123			7.00	20
Total Xylenes	15.0	14.1	13.6	94.0	90.7	79.0-123			3.61	20
(S) Toluene-d8				*116*	*112*	*80.0-120*				
(S) 4-Bromofluorobenzene				*89.9*	*88.0*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.6*	*93.7*	*70.0-130*				

QUALITY CONTROL SUMMARY

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3993858-3 11/01/23 00:43

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	1.00
Total Xylenes	U		0.174	3.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3993858-1 10/31/23 23:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	4.86	97.2	79.0-123	
Total Xylenes	15.0	14.2	94.7	79.0-123	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

Method Blank (MB)

(MB) R3993951-1 10/31/23 21:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*81.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3993951-2 10/31/23 21:39 • (LCSD) R3993951-3 10/31/23 21:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1410	1510	94.0	101	50.0-150			6.85	20
(S) o-Terphenyl				*85.5*	*85.5*	*52.0-156*				

Method Blank (MB)

(MB) R3994026-1 11/01/23 18:01

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*65.5*			*52.0-156*

Method Blank (MB)

(MB) R3994779-1 11/02/23 12:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*76.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3994026-2 11/01/23 18:21 • (LCSD) R3994026-3 11/01/23 18:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1110	1180	74.0	78.7	50.0-150			6.11	20
(S) o-Terphenyl				*67.5*	*68.5*	*52.0-156*				

WG2161897 QUALITY CONTROL SUMMARY

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT L1670429-03,04,05,10,11,12,13,14,15,16,17,18,19,20,21,22,23

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3994219-1 11/01/23 19:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*106*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3994219-2 11/01/23 19:27 • (LCSD) R3994219-3 11/01/23 19:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1190	1320	79.3	88.0	50.0-150			10.4	20
(S) o-Terphenyl				*120*	*118*	*52.0-156*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

ACCREDITATIONS & LOCATIONS

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1,6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

J104

bp rm

Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

Page 1 of 4

BP Site Node Path: BP>USA>WA>WA-MH-34 (Manhole 34 Project Site)

Req Due Date (mm/dd/yy): ______ Rush TAT Yes ____ No XXX

Lab Work Order Number: ______

Lab Name:	Pace Analytical National	BP/ARC Facility Address:	6th St. & Yakima Valley Hwy	Consultant/Contractor:	Parsons
Lab Address:	12065 Lebanon Rd, Mount Juliet, TN 37122	City, State, ZIP Code:	Sunnyside, WA	Consultant/Contractor Project No:	
Lab PM:	Jared Starkey	Lead Regulatory Agency:		Address:	
Lab Phone:	615-773-9698	California Global ID No.:		Consultant/Contractor PM:	Cynthia Oppenheimer
Lab Shipping Accnt:		Enfos Proposal No:	D01BZ-0001	Phone:	925-324-4895
Lab Bottle Order No:		Accounting Mode:	Provision (10)	Send/Submit EDD to:	cynthia.oppenheimer@parsons.com
Other Info:		Stage 70	Activity 116	Invoice To: PARSONS	– BP-RM Enfos BP-Other ____

BP/RM PM: John Frankenthal

PM Phone: 331-236-1391

PM Email: john.frankenthal@bp.com

Report Type & QC Level

Limited (Standard) Package XX

Limited Plus Package ____

Full Package ____

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	NWTPH-Gx	BTEX (8260B)	NWTPH-DRO/HRO											L1670429
	MW-1-10242023	10/24/23	1547					G	8		X	X	X											-01
	MW-2-10242023	10/24/23	1331					G	8		X	X	X											-02
	MW-3-10242023	10/24/23	1358					G	8		X	X	X											-03
	MW-4-10242023	10/24/23	1428					G	8		X	X	X											-04
	MW-8-10242023	10/24/23	1303					G	8		X	X	X											-05
	MW-10-10232023	10/23/23	1339					G	8		X	X	X											-06
	MW-11-10232023	10/23/23	1430					G	8		X	X	X											-07

Sampler's Name: Aimee Rike

Sampler's Company: Parsons

Ship Method: Ship Date:

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	10/25/23		Shipped Via fedex		
				10/26/23	0900

Special Instructions:

Yes / No | Cooler Temp on Receipt: ______ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP LaMP Soil/H2O COC July 2018

Sample Receipt Checklist

COC Seal Present/Intact: [✓ Y] N
COC Signed/Accurate: [✓ Y] N
Bottles arrive intact: [✓ Y] N
Correct bottles used: [✓ Y] N
Sufficient volume sent: [✓ Y] N
RA Screen <0.5 mR/hr: [✓ Y] N

If Applicable
VOA Zero Headspace: __Y __N
Pres. Correct/Check: __Y __N

Proprietary and Confidential
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Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

BP Site Node Path: BP>USA>WA>WA-MH-34 (Manhole 34 Project Site)

Req Due Date (mm/dd/yy): ____________ Rush TAT Yes ____ No XXX

Lab Work Order Number: ____________

Page 1 of 4

Lab Name: Pace Analytical National
Lab Address: 12065 Lebanon Rd, Mount Juliet, TN 37122
Lab PM: Jared Starkey
Lab Phone: 615-773-9698
Lab Shipping Accnt:
Lab Bottle Order No:
Other Info:
BP/RM PM: John Frankenthal
PM Phone: 331-236-1391
PM Email: john.frankenthal@bp.com

BP/ARC Facility Address: 6th St. & Yakima Valley Hwy
City, State, ZIP Code: Sunnyside, WA
Lead Regulatory Agency:
California Global ID No.:
Enfos Proposal No: D01BZ-0001
Accounting Mode: Provision (10)
Stage 70 Activity 116

Consultant/Contractor: Parsons
Consultant/Contractor Project No:
Address:
Consultant/Contractor PM: Cynthia Oppenheimer
Phone: 925-324-4895
Send/Submit EDD to: cynthia.oppenheimer@parsons.com
Invoice To: PARSONS — BP-RM Enfos BP-Other ______

Report Type & QC Level
Limited (Standard) Package XX
Limited Plus Package ____
Full Package ____

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	NWTPH-Gx	BTEX (8260B)	NWTPH-DRO/HRO											4670429
	MW-12-10232023	10/23/23	1201					G	8		X	X	X											-08
	MW-16-10232023	10/23/23	1134					G	8		X	X	X											-09
	MW-25-10232023	10/23/23	1530					G	8		X	X	X											-10
	MW-30-10232023	10/23/23	1245					G	8		X	X	X											-11
	MW-31-10242023	10/24/23	0958					G	8		X	X	X											-12
	MW-32-10242023	10/24/23	0900					G	8		X	X	X											-13
	MW-33-10242023	10/24/23	0928					G	8		X	X	X											-14

Sampler's Name: Aimee Rike
Sampler's Company: Parsons
Ship Method: Ship Date:
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	10/25/23		Shipped Via fedex		
				10/26/23	0900

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ________ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

Page 3 of 4

BP Site Node Path: BP>USA>WA>WA-MH-34 (Manhole 34 Project Site)

Req Due Date (mm/dd/yy):

Rush TAT Yes ____ No XXX

Lab Work Order Number:

Lab Name: Pace Analytical National
Lab Address: 12065 Lebanon Rd, Mount Juliet, TN 37122
Lab PM: Jared Starkey
Lab Phone: 615-773-9698
Lab Shipping Accnt:
Lab Bottle Order No:
Other Info:

BP/ARC Facility Address: 6th St. & Yakima Valley Hwy
City, State, ZIP Code: Sunnyside, WA
Lead Regulatory Agency:
California Global ID No.:
Enfos Proposal No: D01BZ-0001
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Stage 70 Activity 116

Consultant/Contractor: Parsons
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Send/Submit EDD to: cynthia.oppenheimer@parsons.com
Invoice To: PARSONS — BP-RM Enfos BP-Other ________

BP/RM PM: John Frankenthal
PM Phone: 331-236-1391
PM Email: john.frankenthal@bp.com

Report Type & QC Level

Limited (Standard) Package XX
Limited Plus Package ____
Full Package ——

				Sample Details						**Requested Analyses**			
Lab No.	**Sample Description**	**Date**	**Time**	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	NWTPH-Gx	BTEX (8260B)	NWTPH-DRO/HRO	L1670429
	MW-39-10242023	10/24/23	1153					G	8		X	X	X	-15
	MW-40-10242023	10/24/23	1119					G	8		X	X	X	-16
	MW-42-10242023	10/24/23	1230					G	8		X	X	X	-17
	MH-31-10242023	10/24/23	0748					G	8		X	X	X	-18
	MH-32-10242023	10/24/23	0817					G	8		X	X	X	-19
	DMW-2-10252023	10/25/23	0658					G	8		X	X	X	-20
	DMW-5-10242023	10/24/23	1041					G	8		X	X	X	-21

Sampler's Name: Aimee Rice
Sampler's Company: Parsons
Ship Method: Ship Date:
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	10/25/23		Shipped Via fedex		
				10/26/23	0900

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ________ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP LaMP Soil/H2O COC July 2018

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Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

Page 4 of 4

BP Site Node Path: BP>USA>WA>WA-MH-34 (Manhole 34 Project Site)

Req Due Date (mm/dd/yy):

Rush TAT Yes ____ No XXX

Lab Work Order Number:

Lab Name:	Pace Analytical National
Lab Address:	12065 Lebanon Rd, Mount Juliet, TN 37122
Lab PM:	Jared Starkey
Lab Phone:	615-773-9698
Lab Shipping Accnt:	
Lab Bottle Order No:	
Other Info:	
BP/RM PM:	John Frankenthal
PM Phone:	331-236-1391
PM Email:	john.frankenthal@bp.com

BP/ARC Facility Address:	6th St. & Yakima Valley Hwy
City, State, ZIP Code:	Sunnyside, WA
Lead Regulatory Agency:	
California Global ID No.:	
Enfos Proposal No:	D01BZ-0001
Accounting Mode:	Provision (10)
Stage	70
Activity	116

Consultant/Contractor:	Parsons
Consultant/Contractor Project No:	
Address:	
Consultant/Contractor PM:	Cynthia Oppenheimer
Phone:	925-324-4895
Send/Submit EDD to:	cynthia.oppenheimer@parsons.com
Invoice To:	PARSONS — BP-RM Enfos BP-Other ______

Report Type & QC Level

Limited (Standard) Package XX

Limited Plus Package ____

Full Package ——

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	NWTPH-Gx	BTEX (8260B)	NWTPH-DRO/HRO	L1670429
	BD-MH34-10232023	10/23/23	1200					G	8		X	X	X	-22
	BD-MH34-10242023	10/24/23	1200					G	8		X	X	X	-23
	TB-MH-34-10232023	10/23/23	0900					G	2		X	X		-24

Sampler's Name: Aimee Rike

Sampler's Company: Parsons

Ship Method:

Ship Date:

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	10/25/23		Shipped Via Fedex		
				10/26/23	0900

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ________ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP LaMP Soil/H2O COC July 2018

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L1670429

Tracking Numbers	[redacted]	CCA8 Temperature
7019 5687 1203	[redacted]	0.6 + 0 = 0.6
7019 5687 1199	[redacted]	0.5 + 0 = 0.5
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	

Name

Date

APPENDIX D

PHOTOLOG OF CITY OF SUNNYSIDE CONSTRUCTION IMPACTS

Photograph 1: 111 N 6th Street, City of Sunnyside re-pavement project
Approximate location of MW-20, MW-29 and MH-33 (MH-34 Site)

Photograph 2: 201 N 6th Street, City of Sunnyside re-pavement project
Approximate location of MH-34 and MH-35 (MH-34 Site)

Photograph 3: MW-20 Area (MH-34 Site)

Photograph 4: State of MW-20 on June 16, 2023. Total depth =0.11 feet below top of casing (measured by BlaineTech)

Photograph 5: 601 Yakima Valley Highway, City of Sunnyside re-pavement project Approximate location of DMW-4 (MH-34 Site)

Photograph 6: State of DMW-4 on June 16, 2023. Total depth =1.23 feet below top of casing (measured by BlaineTech)

Photograph 7: State of MW-29 on June 16, 2023. Total depth =40.36 feet below top of broken casing (measured by BlaineTech)