SEMI-ANNUAL STATUS REPORT
First Half 2023
March 28, 2023

Facility No:	Former Standard Oil Bulk Plant 302095	Address:	149 and 167 Main Street, Morton, Washington

Arcadis Contact Person / Phone No.:	Carl Donovan / 503-785-9470
Arcadis Project No.:	30063832
Primary Agency/Regulatory ID No.:	Washington State Department of Ecology Southwest Regional Office, Toxics Cleanup Program Andrew Smith / Agreed Order No. DE 03TCPSR-5715

WORK CONDUCTED THIS PERIOD [First Half 2023]:

1. Conducted semi-annual groundwater monitoring and sampling on January 10, 2023.
2. Prepared the *Semi-Annual Status Report, Second Half 2023*.

WORK PROPOSED NEXT PERIOD [Second Half 2023]:

1. Conduct semi-annual groundwater monitoring and sampling during the second quarter of 2023.
2. Prepare the *Semi-Annual Status Report, Second Half 2023*.

Current Phase of Project:	Monitoring	
Frequency of Monitoring / Sampling:	Semi-Annual (Q1/Q3)	
Is Light Non-Aqueous Phase Liquid (LNAPL) Present On-site:	None	
Cumulative LNAPL Recovered to Date:	None	(gallons)
Approximate Depth to Groundwater:	1.38 to 3.13	(feet below top of casing)
Approximate Groundwater Elevation:	949.09 to 951.32	(feet above NAVD 88)
Groundwater Flow Direction	South-southeast	
Groundwater Gradient	0.008	(feet per foot)

Current Remediation Techniques:	None
Permits for Discharge:	Not Applicable
Summary of Unusual Activity:	Monitoring wells MW-11 and MW-12 were covered in gravel and unable to be located for gauging and sampling.
Agency Directive Requirements:	Agreed Order No. DE 03TCPSR-5715 (Attachment A)

DISCUSSION

Arcadis U.S. Inc (Arcadis'), subcontractor (Blaine Tech Services) conducted semi-annual groundwater monitoring activities on January 10, 2023. Groundwater monitoring activities were conducted in general accordance with the regulatory directive dated April 24, 2017 (Attachment A). The groundwater monitoring program includes gauging and sampling monitoring wells MW-7, MW-13, MW-15, MW-16 and MW-17. During the January 2023 sampling event, monitoring wells MW-11 and MW-12 were covered in gravel and unable to be located for gauging and sampling.

Wells were low-flow purged using a peristaltic pump and dedicated disposable tubing prior to collection of the samples. Field parameters including pH, temperature, electrical conductivity, turbidity, dissolved oxygen, and oxidation reduction potential were collected during the purging process with a multiparameter water quality meter and flow-through cell. Field parameters were allowed to stabilize prior to collecting samples. The groundwater monitoring field data sheets are included as Attachment B.

Following stabilization, samples were collected in pre-preserved laboratory-provided bottles and placed in a cooler with ice. Groundwater samples were submitted to Pace Analytical, located in Mount Juliet, Tennessee, an Ecology-accredited laboratory, under standard chain-of-custody protocols. Groundwater samples were analyzed for the following:

- Total petroleum hydrocarbons as gasoline range organics (GRO) by Northwest Method NWTPH-Gx
- Total petroleum hydrocarbons as diesel range organics (DRO) and total petroleum hydrocarbons as heavy oil range (RRO) by Northwest NWTPH-Dx
- DRO and RRO with silica gel cleanup by Northwest NWTPH-Dx modified
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency Method 8260

A blind duplicate groundwater sample was collected from MW-17 for data quality assurance.

A site location map and a site plan are shown on Figures 1 and 2, respectively. Current and historic groundwater gauging data and analytical results are presented in Table 1 and 2, respectively. The

calculated groundwater flow direction is to the south-southeast with a hydraulic gradient of 0.008 feet/foot. Historically, groundwater flow direction at the site has been predominately to the south-southeast. Groundwater elevation contours summarizing the January 2022 event and a rose diagram of historical flow direction are presented on Figure 3.

Light non-aqueous phase liquid (LNAPL) was not observed in site monitoring wells during the sampling event. Groundwater analytical results from the event are summarized below:

Groundwater analytical results for samples collected from monitoring wells were either less than the Model Toxics Control Act (MTCA) Method A Cleanup Level (CULs) or were not detected at concentrations greater than the laboratory reporting limit, with the exception of the following locations:

- Groundwater samples collected from monitoring wells MW-7 and MW-16 exceeded the MTCA Method A CUL (500 micrograms per liter [µg/L]) for DRO at detected concentrations of 856 and 720 µg/L, respectively. Samples collected from these locations were additionally analyzed using silica gel cleanup methods in accordance with Washington State Department of Ecology Draft Guidance for Silica Gel Cleanup in Washington State, and results were less than the laboratory reporting limit and the MTCA Method A CUL for both samples.

Groundwater analytical results are shown on Figure 4. The analytical laboratory report and chain-of-custody documentation are provided in Attachment C.

LIMITATIONS

This report was prepared in accordance with the scope of work outlined in Arcadis' contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of Chevron Environmental Management Company for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Arcadis. To the extent that this report is based on information provided to Arcadis by third parties, Arcadis may have made efforts to verify this third-party information, but Arcadis cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties expressed or implied are made by Arcadis.

Carl Donovan Date: March 28, 2023

Carl Donovan
Project Manager

Date: March 28, 2023

Rebecca Anderson, LG
Senior Vice President
Licensed Geologist 2588

ATTACHMENTS:

Table 1	Current Groundwater Gauging and Analytical Results
Table 2	Groundwater Gauging and Analytical Results Fourth Quarter 2004 to Current
Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Groundwater Elevation Contour Map, January 10, 2023
Figure 4	Groundwater Analytical Results Map, January 10, 2023
Attachment A	Regulatory Directive, April 24, 2017
Attachment B	Field Data Sheets
Attachment C	Laboratory Report and Chain-of-Custody Documentation

TABLES

Table 1
Groundwater Gauging Data and Analytical Results Fourth Quarter 2004 to Current
Former Standard Oil Bulk Plant 302095
149 and 167 Main Street
Morton, Washington

Well	Date	Screen Interval (ft. bTOC)	Top of Casing (ft. above NAVD 88)	Depth to Water (ft. bTOC)	Groundwater Elevation (ft. above NAVD 88)	GRO	DRO	DRO w/ SGT	HRO	HRO w/ SGT	Benzene	Toluene	Ethylbenzene	Total Xylenes	Comments
MTCA Method A CULs						**800/1,000**	**500**	**500**	**500**	**500**	**5**	**1000**	**700**	**1000**	
MW-7	1/10/2023	5-20	951.11	3.13	947.98	<100	**856**	<200	418	<250	<1.00	<1.00	<1.00	<3.00	
MW-11	1/10/2023	--	950.22	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-13	1/10/2023	3-18	951.32	2.97	948.35	<100	172 J	--	130 J	--	<1.00	<1.00	<1.00	<3.00	
MW-15	1/10/2023	3-18	949.09	1.38	947.71	<100	117 J	--	162 J	--	<1.00	<1.00	<1.00	<3.00	
MW-16	1/10/2023	3-18	949.89	2.60	947.29	185 B	**720**	143 J	237 J	<250	0.106 J	<1.00	<1.00	<3.00	
MW-17	1/10/2023	3-18	949.85	2.35	947.50	<100	333	<200	220 J	<250	<1.00	<1.00	<1.00	<3.00	
MW-17 DUP	1/10/2023	3-18	949.85	--	--	<100	320	<200	202 J	<250	<1.00	<1.00	<1.00	<3.00	Duplicate
TRIP BLANK	1/10/2023	--	--	--	--	<100	--	--	--	--	<1.00	<3.00	<1.00	<3.00	

Notes:
Results reported in micrograms per liter (µg/L)
BOLD and highlighted values are greater than their respective MTCA Method A cleanup level
BOLD values are non-detect below the laboratory reporting limit (RL), but the RL is greater than the MTCA Method A cleanup level
Laboratory analytical methods for historical data may not be consistent with current analytical methods. Consult laboratory reports for historical analytical methods used.
Top of Casing data prior to first quarter of 2020 was measured relative to arbitrary 100-foot elevation.
Top of Casing data after the first quarter of 2020 (02/12/20) measured relatvie to North American Vertical Datum of 1988 (NAVD 88).
800/1,000 = GRO MTCA Method A CUL with benzene present is 800 µg/L and without is 1,000 µg/L

Abbreviations:
-- = Not applicable, not available, or not analyzed
BTEX = benzene, toluene, ethylbenzene, and xylenes
CUL = Cleanup Level
DUP = Blind duplicate sample results
ft. bTOC = feet below top of casing
ft. above NAVD 88 = feet above North American Vertical Datum of 1988
MTCA = Model Toxics Control Act
MW = groundwater monitoring well
DRO = Total Petroleum Hydrocarbon as Diesel Range Organics
DRO w/ SGT = Total Petroleum Hydrocarbon as Diesel Range Organics w/ Silica Gel Treatment
GRO = Total Petroleum Hydrocarbons as Gasoline-Range Organics
HRO = Total Pretoleum Hydrocarbons as Heavy Oil Range Organics
HRO w/ SGT = Total Petroleum Hydrocarbon as Heavy Oil Range Organics w/ Silica Gel Treatment

Laboratory Qualifiers:
< = Not detected at or above the laboratory RL
J = The associated numerical value is an estimated concentration only
B = The same analyte is found in the associated blank

Current Analytical Methods:
GRO analyzed by Method NWTPH-Gx
BTEX analyzed by the United States Environmental Protection Agency Method 8260D
DRO and HRO analyzed by NWTPH-Dx

Table 1
Groundwater Gauging Data and Analytical Results Fourth Quarter 2004 to Current
Former Standard Oil Bulk Plant 302095
149 and 167 Main Street
Morton, Washington

Well	Date	Screen Interval (ft. bTOC)	Top of Casing (ft. above NAVD 88)	Depth to Water (ft. bTOC)	Groundwater Elevation (ft. above NAVD 88)	GRO	DRO	DRO w/ SGT	HRO	HRO w/ SGT	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl tert-butyl ether	Dissolved Lead	Total Lead	Naphthalene	n-Hexane	Comments
MTCA Method A CULs						**800/1,000**	**500**	**500**	**500**	**500**	**5**	**1000**	**700**	**1000**	**20**	**15**	**15**	**160**	**NE**	
MW-1	7/9/2004	5-15	97.62	3.92	93.7	<50	**630**	--	210	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.99	--	<1	<2	
MW-1	10/11/2004	5-15	97.62	1.79	95.83	<50	120	--	<100	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
MW-1	1/25/2005	5-15	97.62	2.01	95.61	<48	<79	--	<99	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
MW-1	4/13/2005	5-15	97.62	1.19	96.43	<48	450	--	<99	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-1	7/11/2005	5-15	97.62	2.38	95.24	48	380	--	<110	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-1	8/13/2007	5-15	97.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-1	12/2/2008	5-15	97.55	2.17	95.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Included in Monitoring Program
MW-2	7/9/2004	5-15	99.18	5.06	94.12	**2,500**	**1,800**	--	320	--	**1,100**	35	160	59	<0.5	<0.99	--	19	130	
MW-2	10/11/2004	5-15	99.18	2.68	96.50	**2,500**	**560**	--	<99	--	**1,100**	37	170	44	--	--	--	--	--	
MW-2	1/25/2005	5-15	99.18	2.82	96.36	**2,200**	**1,700**	--	180	--	**880**	33	150	35	--	--	--	--	--	
MW-2	4/13/2005	5-15	99.18	2.31	96.87	**2,800**	**960**	--	110	--	**1,100**	45	380	80	--	--	--	--	--	
MW-2 DUP	4/13/2005	5-15	99.18	2.31	96.87	**2,700**	**960**	--	120	--	**1,100**	48	380	84	--	--	--	--	--	
MW-2	7/11/2005	5-15	99.18	3.16	96.02	**2,300**	**1,400**	--	180	--	**760**	26	170	41	--	--	--	--	--	
MW-2 DUP	7/11/2005	5-15	99.18	3.16	96.02	**2,100**	**1,500**	--	170	--	**810**	25	150	36	--	--	--	--	--	
MW-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well Abandoned October 2006
MW-3	7/9/2004	5-15	100.00	6.03	93.97	80	290	--	150	--	**22**	0.600	6	5	<0.5	<0.99	--	<1	2	
MW-3 DUP	7/9/2004	5-15	100.00	6.03	93.97	100	300	--	190	--	**23**	0.600	6	5	<0.5	<0.99	--	<1	2	
MW-3	10/11/2004	5-15	100.00	4.27	95.73	<50	<79	--	<98	--	2	<0.5	<0.5	<0.5	--	--	--	--	--	
MW-3	1/25/2005	5-15	100.00	4.13	95.87	<48	**670**	--	120	--	2	<0.5	<0.5	<0.5	--	--	--	--	--	
MW-3	4/13/2005	5-15	100.00	3.78	96.22	<48	89	--	<97	--	2	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-3	7/11/2005	5-15	100.00	4.69	95.31	<48	<87	--	<110	--	2	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well Abandoned October 2006
MW-4	7/9/2004	5-15	97.88	5.30	92.58	**1,600**	**1,700**	--	240	--	**160**	13	67	6	<0.5	<0.99	--	4	75	
MW-4	10/11/2004	5-15	97.88	1.66	96.22	**1,800**	**520**	--	<97	--	**140**	16	76	10	--	--	--	--	--	
MW-4	1/25/2005	5-15	97.88	1.79	96.09	**2,000**	410	--	<98	--	**140**	16	79	9	--	--	--	--	--	
MW-4	4/13/2005	5-15	97.88	1.40	96.48	**2,100**	**1,300**	--	110	--	**120**	16	81	15	--	--	--	--	--	
MW-4	7/11/2005	5-15	97.88	2.18	95.70	**1,800**	**1,200**	--	170	--	**54**	8	43	7	--	--	--	--	--	
MW-4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well Abandoned October 2006
MW-5	10/11/2004	5-15	98.31	2.79	95.52	90	130	--	<99	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
MW-5	1/25/2005	5-15	98.31	2.79	95.52	100	**860**	--	130	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
MW-5	4/13/2005	5-15	98.31	2.23	96.08	110	**530**	--	<97	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-5	7/11/2005	5-15	98.31	3.38	94.93	64	**590**	--	140	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-5	8/13/2007	5-15	98.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well Abandoned
MW-6	10/11/2004	5-20	98.3	2.26	96.04	**1,000**	**600**	--	<97	--	1	0.700	<0.5	1	--	--	--	--	--	
MW-6	1/25/2005	5-20	98.3	2.46	95.84	**1,100**	**1,600**	--	260	--	1	0.700	<0.5	1	--	--	--	--	--	
MW-6 DUP	1/25/2005	5-20	98.3	2.46	95.84	**1,100**	**1,700**	--	270	--	1	0.700	0.600	1	--	--	--	--	--	
MW-6	4/13/2005	5-20	98.3	1.78	96.52	860	**900**	--	120	--	<2.0	1	0.900	<5.0	--	--	--	--	--	
MW-6	7/11/2005	5-20	98.3	3.16	95.14	**1,000**	**1,200**	--	150	--	2	1	1	2	--	--	--	--	--	
MW-6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well Abandoned March 2007
MW-7	10/11/2004	5-20	99.89	3.79	96.10	200	**570**	--	<98	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
MW-7	1/25/2005	5-20	99.89	3.27	96.62	190	**1,500**	--	220	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
MW-7	4/13/2005	5-20	99.89	4.28	95.61	73	**880**	--	99	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	7/11/2005	5-20	99.89	4.02	95.87	140	**1,100**	--	120	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	8/13/2007	5-20	99.89	7.85	92.04	<50	**570**	--	210	--	<0.5	<0.5	<0.5	<1.5	--	<0.047	--	--	--	
MW-7	5/27/2008	5-20	99.89	3.42	96.47	<50	**750**	--	<97	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-7	12/2/2008	5-20	99.90	3.59	96.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	3/18/2009	5-20	99.90	3.29	96.61	71	360	--	<67	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-7	5/26-27/2009	5-20	99.90	4.13	95.77	73	**940**	--	69	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-7	8/3-4/2009	5-20	99.90	8.08	91.82	<50	**1,500**	--	**530**	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-7	12/29/2009	5-20	99.90	3.96	95.94	<50	**990**	--	77	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	2/4/2010	5-20	99.90	4.17	95.73	<50	**890**	--	110	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	6/1/2010	5-20	99.90	3.23	96.67	91	**780**	--	78	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	8/10/2010	5-20	99.90	7.22	92.68	<50	**830**	--	260	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	11/18/2010	5-20	99.90	2.43	97.47	58	480	--	400	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	3/15/2011	5-20	99.90	3.84	96.06	<50	**810**	--	250	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	6/2/2011	5-20	99.90	4.08	95.82	83	**10,000**	--	**870**	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	8/25/2011	5-20	99.90	7.92	91.98	<50	**650**	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	11/10/2011	5-20	99.90	4.90	95.00	<50	380	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	2/9/2012	5-20	99.90	4.25	95.65	<50	130	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	5/31/2012	5-20	99.90	4.90	95.00	<50	430	--	<75	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	8/28/2012	5-20	99.90	7.83	92.07	<50	83	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	11/21/2012	5-20	99.90	1.84	98.06	<50	160	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	2/8/2013	5-20	99.90	3.29	96.61	89	310	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	5/10/2013	5-20	99.90	4.46	95.44	60	97	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	8/8/2013	5-20	99.90	7.23	92.67	<50	51	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	10/23/2013	5-20	99.90	4.72	95.18	65	100	--	<66	--	<0.3	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	2/25/2014	5-20	99.90	3.23	96.67	83	140	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	5/28/2014	5-20	99.90	4.08	95.82	100	210	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	8/26/2014	5-20	99.90	7.23	92.67	<50	110	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	11/4/2014	5-20	99.90	1.89	98.01	<50	190	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	3/23-24/2015	5-20	99.90	4.18	95.72	<50	85	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	5/26-27/2015	5-20	99.90	5.68	94.22	<50	70	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	8/13/2015	5-20	99.90	8.78	91.12	<50	**760**	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	11/16-17/2015	5-20	99.90	3.21	96.69	110	**1,200**	--	190	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	2/21-22/2016	5-20	99.90	4.22	95.68	<50	**1,800**	--	380	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	5/15-16/2016	5-20	99.90	5.20	94.70	110	**1,500**	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	8/15-16/2016	5-20	99.90	7.08	92.82	55	**730**	--	120	--	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--	
MW-7	11/15/2016	5-20	99.90	2.77	97.13	<50	**930**	--	120	--	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--	
MW-7	1/10/2019	5-20	99.90	2.82	97.08	<19	**710**	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-7	7/21/2019	5-20	99.90	5.03	94.87	<19[1]	**940**	--	<100	--	<0.2	<0.2	<0.4	<1.0	--	--	--	--	--	
MW-7	2/12/2020	5-20	951.11	3.11	948.00	<100	**761**	--	277	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	Well Resurveyed
MW-7	8/2/2020	5-20	951.11	6.02	945.09	<100	**1,310**	--	341	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	
MW-7	2/9/2021	5-20	951.11	2.61	948.50	58.6 B J	**904**	--	318 B	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	
MW-7 DUP	2/9/2021	--	951.11	--	--	64.9 B J	**934**	--	301 B	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	
MW-7	7/13/2021	5-20	951.11	4.89	946.22	63.6 B J	1,080	--	487	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	
MW-7	1/10/2022	5-20	951.11	1.60	949.51	<100	**813**	<200 J3	512	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	
MW-7 DUP	1/10/2022	--	--	--	--	<100	**859**	<200 J3	**566**	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	
MW-7	7/20/2022	5-20	951.11	5.18	945.93	<100	**1,440**	--	**513**	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	

Table 1
Groundwater Gauging Data and Analytical Results Fourth Quarter 2004 to Current
Former Standard Oil Bulk Plant 302095
149 and 167 Main Street
Morton, Washington

Well	Date	Screen Interval (ft. bTOC)	Top of Casing (ft. above NAVD 88)	Depth to Water (ft. bTOC)	Groundwater Elevation (ft. above NAVD 88)	GRO	DRO	DRO w/ SGT	HRO	HRO w/ SGT	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl tert-butyl ether	Dissolved Lead	Total Lead	Naphthalene	n-Hexane	Comments
MTCA Method A CULs						**800/1,000**	**500**	**500**	**500**	**500**	**5**	**1000**	**700**	**1000**	**20**	**15**	**15**	**160**	**NE**	
MW-7	1/10/2023	5-20	951.11	3.13	947.98	<100	**856**	<200	418	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	
MW-8	10/11/2004	5-20	99.21	2.81	96.40	**1,200**	330	--	<98	--	**6**	<0.5	2	1	--	--	--	--	--	
MW-8	1/25/2005	5-20	99.21	2.63	96.58	**1,300**	**740**	--	170	--	5	<0.5	1	1	--	--	--	--	--	
MW-8	4/13/2005	5-20	99.21	2.44	96.77	**1,000**	470	--	<100	--	**6**	0.700	2	<5.0	--	--	--	--	--	
MW-8	7/11/2005	5-20	99.21	3.23	95.98	**1,400**	**670**	--	<110	--	**6**	0.900	3	4	--	--	--	--	--	
MW-8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Well Abandoned March 2007
MW-9	10/11/2004	5-20	97.52	1.9	95.62	<0.5	<80	--	<50	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	
MW-9	1/25/2005	5-20	97.52	1.68	95.84	<0.5	<78	--	<48	--	<0.5	<0.5	<0.5	--	--	--	--	--	--	
MW-9	4/13/2005	5-20	97.52	1.57	95.95	<0.5	<81	--	<48	--	<0.5	<0 5	<1.5	--	--	--	--	--	--	
MW-9	7/11/2005	5-20	97.52	2.25	95.27	<0.5	<83	--	<48	--	<0.5	<0.5	<1.5	--	--	--	--	--	--	
MW-9	8/13/2007	5-21	98.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Unable to Locate
MW-9	12/29-30/2009	5-20	97.52	3.15	94.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Included in Monitoring Program
MW-9	2/12/2020	5-20	949.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Well Resurveyed; Not Included in Monitoring Program
MW-9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Not Included in Monitoring Program
MW-10	10/11/2004	5-20	98.78	2.09	96.69	**1,800**	**560**	--	<95	--	**51**	7	25	7	--	--	--	--	--	
MW-10 DUP	10/11/2004	5-20	98.78	2.09	96.69	**1,900**	**500**	--	<98	--	**51**	7	25	6	--	--	--	--	--	
MW-10	1/25/2005	5-20	98.78	2.08	96.70	**1,700**	**540**	--	<110	--	**37**	6	23	5	--	--	--	--	--	
MW-10	4/13/2005	5-20	98.78	1.64	97.14	**1,700**	**760**	--	<100	--	**24**	4	19	7	--	--	--	--	--	
MW-10	7/11/2005	5-20	98.78	2.54	96.24	**1,500**	**910**	--	<110	--	**31**	4	17	5	--	--	--	--	--	
MW-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Not Included in Monitoring Program
MW-11	10/11/2004	5-20	97.92	2.92	95.00	<50	<80	--	<100	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
MW-11	1/25/2005	5-20	97.92	2.95	94.97	<48	<79	--	<99	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
MW-11	4/13/2005	5-20	97.92	2.21	95.71	<48	<79	--	<98	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	7/11/2005	5-20	97.92	3.20	94.72	<48	<93	--	<120	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	8/13/2007	5-20	97.92	6.56	91.36	<50	<79	--	<99	--	<0.5	<0.5	<0.5	<1.5	--	0.07	--	--	--	
MW-11 DUP	8/13/2007	5-20	97.92	6.56	91.36	<50	<80	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	0.091	--	--	--	
MW-11	5/27/2008	5-20	97.92	3.98	93.94	<50	<76	--	<95	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-11	12/2/2008	5-20	97.92	3.31	94.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-11	3/18/2009	5-20	97.92	2.70	95.22	<50	85	--	480	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-11	5/26-27/2009	5-20	97.92	3.69	94.23	<50	170	--	<69	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-11	8/3-4/2009	5-20	97.92	6.59	91.33	<50	<30	--	<69	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-11	12/29-30/2009	5-20	97.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-11	2/4-5/2010	5-20	97.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-11	6/1/2010	5-20	97.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-11	8/10/2010	5-20	97.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-11	11/18/2010	5-20	97.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-11	3/15/2011	5-20	97.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-11	6/2/2011	5-20	97.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-11	8/25/2011	5-20	97.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-11	11/10/2011	5-20	97.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-11	2/10/2012	5-20	97.92	3.00	94.92	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	5/30/2012	5-20	97.92	3.50	94.42	<50	<31	--	<72	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	8/27/2012	5-20	97.92	6.47	91.45	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	11/20/2012	5-20	97.92	2.92	95.00	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	2/7/2013	5-20	97.92	2.66	95.26	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	5/10/2013	5-20	97.92	3.95	93.97	<50	<28	--	<66	--	<0.5	<0.5	<05	<1.5	--	--	--	--	--	
MW-11	8/8/2013	5-20	97.92	6.46	91.46	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	10/22/2013	5-20	97.92	3.81	94.11	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	2/24/2014	5-20	97.92	1.88	96.04	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	5/28/2014	5-20	97.92	4.13	93.79	<50	200	--	**520**	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	8/25/2014	5-20	97.92	5.67	92.25	<50	29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	11/3/2014	5-20	97.92	2.93	94.99	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	3/23-24/2015	5-20	97.92	2.96	94.96	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	5/26-27/2015	5-20	97.92	6.96	90.96	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<13	--	--	--	--	--	
MW-11	8/13/2015	5-20	97.92	6.42	91.50	<50	81	--	**540**	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	11/16-17/2015	5-20	97.92	2.34	95.58	<50	<46	--	170	--	<0.5	<0 5	<0.5	<1.5	--	--	--	--	--	
MW-11	2/21-22/2016	5-20	97.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Access
MW-11	5/15-16/2016	5-20	97.92	4.19	93.73	<50	<47	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	8/15-16/2016	5-20	97.92	5.43	92.49	<50	<46	--	<100	--	<0 2	<0 2	<0 2	<0.2	--	--	--	--	--	
MW-11	11/15/2016	5-20	97.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**--**	Unable to Access
MW-11	1/10/2019	5-20	97.92	1.69	92.49	<19	220	--	**890**	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-11	7/21/2019	5-20	97.92	3.71	94.21	<19	<46	--	<100	--	<0.2[1]	<0.2[1]	<0.4[1]	<1.0[1]	--	--	--	--	--	
MW-11	2/12/2020	5-20	949.22	1.61	947.61	<100	85.1 J	--	164 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	Well Resurveyed
MW-11	8/2/2020	5-20	949.22	4.55	944.67	<100	118 J	--	184 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-11	2/9/2021	5-20	949.22	1.94	947.28	42.4 B J	116 J	--	489	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-11	7/13/2021	5-20	949.22	4.24	944.98	78.0 B J	<200	--	147 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-11	1/10/2022	5-20	950.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Unable to Locate
MW-11	7/20/2022	5-20	950.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Unable to Locate
MW-11	1/10/2023	--	950.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-12	10/11/2004	5-20	98.25	2.64	95.61	<50	<79	--	<99	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
MW-12	1/25/2005	5-20	98.25	2.70	95.55	<48	<79	--	<98	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
MW-12	4/13/2005	5-20	98.25	2.34	95.91	<48	<84	--	<110	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	7/11/2005	5-20	98.25	3.25	95.00	<48	<81	--	110	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	8/13/2007	5-20	98.25	6.06	92.19	<50	<89	--	<110	--	<0.5	<0.5	<0.5	<1.5	--	0.047	--	--	--	
MW-12	5/27/2008	5-20	98.25	4.22	94.03	<50	<82	--	<100	--	<0.5	<0.5	<0.5	1	<0.5	--	--	--	--	
MW-12	12/2/2008	5-20	98.25	2.84	95.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-12	3/18/2009	5-20	98.25	2.15	96.10	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-12	5/26-27/2009	5-20	98.25	3.50	94.75	<50	<30	--	<71	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-12	8/3-4/2009	5-20	98.25	6.40	91.85	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-12	12/29-30/2009	5-20	98.25	3.00	95.25	<50	63	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	2/4-5/2010	5-20	98.25	2.98	95.27	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	6/1/2010	5-20	98.25	2.55	95.70	<50	<30	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	8/10/2010	5-20	98.25	5.86	92.39	<50	<29	--	<190	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	11/18/2010	5-20	98.25	1.44	96.81	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	3/15/2011	5-20	98.25	2.08	96.17	<50	<30	--	250	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	8/25/2011	5-20	98.25	6.36	91.89	<50	31	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	11/10/2011	5-20	98.25	3.40	94.85	<50	<31	--	<72	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	2/10/2012	5-20	98.25	2.25	96.00	<50	39	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	5/30/2012	5-20	98.25	3.10	95.15	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	8/27/2012	5-20	98.25	6.51	91.74	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	

Table 1
Groundwater Gauging Data and Analytical Results Fourth Quarter 2004 to Current
Former Standard Oil Bulk Plant 302095
149 and 167 Main Street
Morton, Washington

Well	Date	Screen Interval (ft. bTOC)	Top of Casing (ft. above NAVD 88)	Depth to Water (ft. bTOC)	Groundwater Elevation (ft. above NAVD 88)	GRO	DRO	DRO w/ SGT	HRO	HRO w/ SGT	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl tert-butyl ether	Dissolved Lead	Total Lead	Naphthalene	n-Hexane	Comments
MTCA Method A CULs						800/1,000	500	500	500	500	5	1000	700	1000	20	15	15	160	NE	
MW-12	11/20/2012	5-20	98.25	2.63	95.62	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	2/7/2013	5-20	98.25	2.01	96.24	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	5/10/2013	5-20	98.25	3.80	94.45	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	8/8/2013	5-20	98.25	6.32	91.93	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	10/22/2013	5-20	98.25	3.79	94.46	<50	<29	--	<67	--	<0.5	<05	<0.5	<1.5	--	--	--	--	--	
MW-12	2/24/2014	5-20	98.25	3.40	94.85	<50	<29	--	71	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	5/28/2014	5-20	98.25	3.32	94.93	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	8/25/2014	5-20	98.25	5.79	92.46	<50	<28	--	89	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	11/3/2014	5-20	98.25	2.62	95.63	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	3/23-24/2015	5-20	98.25	2.71	95.54	<50	<31	--	<71	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	5/26-27/2015	5-20	98.25	4.88	93.37	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	8/13/2015	5-20	98.25	6.03	92.22	<50	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	11/16-17/2015	5-20	98.25	2.87	95.38	<50	<45	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	2/21-22/2016	5-20	98.25	2.43	95.82	<50	<47	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	5/15-16/2016	5-20	98.25	4.39	93.86	<50	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	8/15-16/2016	5-20	98.25	5.44	92.81	<50	<46	--	<100	--	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--	
MW-12	11/15/2016	5-20	99.25	2.48	96.77	<50	<45	--	<100	--	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--	
MW-12	1/10/2019	5-20	98.25	2.72	95.53	<19	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-12	7/21/2019	5-20	98.25	4.11	94.14	<19	<45	--	<100	--	<0.2[1]	<0.2[1]	<0.4[1]	<1.0[1]	--	--	--	--	--	
MW-12	2/12/2020	5-20	949.53	2.35	947.18	<100	<200	--	<250	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	Well Resurveyed
MW-12	8/2/2020	5-20	949.53	5.00	944.53	64.4 B J	142 J	--	100 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-12	2/9/2021	5-20	949.53	2.40	947.13	32.8 B J	<200	--	<250	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-12	7/13/2021	5-20	949.53	4.46	945.07	54.9 B J	79.8 J	--	86.6 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-12	1/10/2022	5-20	950.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Unable to Locate
MW-12	7/20/2022	5-20	950.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Unable to Locate
MW-13	12/2/2008	3-18	99.02	3.22	95.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-13	3/18/2009	3-18	99.02	2.24	96.78	<50	180	--	330	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-13	5/26-27/2009	3-18	99.02	3.88	95.14	<50	360	--	**<700**	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-13	8/3-4/2009	3-18	99.02	6.73	92.29	<50	**660**	--	**700**	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-13	12/29-30/2009	3-18	99.02	4.57	94.45	<50	110	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	2/4-5/2010	3-18	99.02	3.68	95.34	<50	59	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	6/1/2010	3-18	99.02	2.83	96.19	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	8/10/2010	3-18	99.02	6.20	92.82	<50	<300	--	**<700**	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	11/18/2010	3-18	99.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Unable to Sample - Area Flooded
MW-13	3/15/2011	3-18	99.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Unable to Sample - Area Flooded
MW-13	6/2/2011	3-18	99.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Unable to Sample - Area Flooded
MW-13	8/25/2011	3-18	99.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Unable to Sample - Area Flooded
MW-13	11/10/2011	3-18	99.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Unable to Sample - Area Flooded
MW-13	2/9/2012	3-18	99.02	3.50	95.52	86	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	5/31/2012	3-18	99.02	1.20	97.82	<50	<32	--	<75	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	8/28/2012	3-18	99.02	6.69	92.33	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	11/21/2012	3-18	99.02	1.12	97.90	<50	<29	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	2/8/2013	3-18	99.02	2.13	96.89	<50	<28	--	120	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	5/10/2013	3-18	99.02	4.36	94.66	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	8/8/2013	3-18	99.02	6.72	92.30	<50	<29	--	<68	--	<0 5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	10/23/2013	3-18	99.02	4.17	94.85	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	2/25/2014	3-18	99.02	3.02	96.00	<50	<29	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	5/28/2014	3-18	99.02	4.92	94.10	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	8/26/2014	3-18	99.02	6.83	92.19	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	11/4/2014	3-18	99.02	1.22	97.80	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	3/23-24/2015	3-18	99.02	2.93	96.09	<50	<30	--	<71	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	5/26-27/2015	3-18	99.02	4.72	94.30	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	8/13/2015	3-18	99.02	7.80	91.22	<50	100	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	11/16-17/2015	3-18	99.02	2.96	96.06	<50	50	--	<100	--	<0.5	<0.5	<0.5	<15	--	--	--	--	--	
MW-13	2/21-22/2016	3-18	99.02	2.96	96.06	<50	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	5/15-16/2016	3-18	99.02	4.79	94.23	<50	77	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-13	8/15-16/2016	3-18	99.02	5.76	93.26	<50	<46	--	<100	--	<0.2	<0.2	<0 2	<0.2	--	--	--	--	--	
MW-13	11/15/2016	3-18	99.02	2.72	96.30	<50	<45	--	<100	--	<0.2	<0.2	<0 2	<0.2	--	--	--	--	--	
MW-13	1/10/2019	3-18	99.02	2.41	96.61	--	--	--	--	--	--	--	--	--	--	--	--	--		Not Included in Monitoring Program
MW-13	7/21/2019	3-18	99.02	3.95	95.07	--	--	--	--	--	--	--	--	--	--	--	--	--		Not Included in Monitoring Program
MW-13	2/12/2020	3-18	950.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Well Resurveyed; Not Included in Monitoring Program
MW-13	8/2/2020	3-18	950.32	4.20	946.12	--	--	--	--	--	--	--	--	--	--	--	--	--		Not Included in Monitoring Program
MW-13	2/9/2021	3-18	950.32	2.11	948.21	--	--	--	--	--	--	--	--	--	--	--	--	--		Not Included in Monitoring Program
MW-13	7/13/2021	3-18	950.32	3.73	946.59	--	--	--	--	--	--	--	--	--	--	--	--	--		Not Included in Monitoring Program
MW-13	1/10/2022	3-18	951.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Unable to Locate
MW-13	7/20/2022	3-18	951.32	4.31	947.01	<100	176 J	--	131 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-13	1/10/2023	3-18	951.32	2.97	948.35	<100	172 J	--	130 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	
MW-14	12/2/2008	3-18	98.50	2.76	95.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-14	3/18/2009	3-18	98.50	1.71	96.79	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-14	05/26-27/2009	3-18	98.50	3.49	95.01	<50	180	--	<69	--	0.6	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-14	8/3-4/2009	3-18	98.50	5.58	92.92	<50	**550**	--	<74	--	0.9	<0.5	0.7	<0.5	<0.5	--	--	--	--	
MW-14	12/29-30/2009	3-18	98.50	3.81	94.69	<50	42	--	<65	--	1.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	2/4-5/2010	3-18	98.50	3.88	94.62	<50	37	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	6/1/2010	3-18	98.50	2.96	95.54	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	8/10/2010	3-18	98.50	6.40	92.10	<50	120	--	<90	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	11/18/2010	3-18	98.50	2.71	95.79	<50	<29	--	76	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	3/15/2011	3-18	98.50	2.91	95.59	<50	<31	--	94	--	1.6	1.4	<0.5	<1.5	--	--	--	--	--	
MW-14	6/2/2011	3-18	98.50	3.83	94.67	<50	<29	--	190	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	8/25/2011	3-18	98.50	6.55	91.95	<50	48	--	<80	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	11/10/2011	3-18	98.50	3.60	94.90	<50	<30	--	<71	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	2/10/2012	3-18	98.50	3.50	95.00	<50	80	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	5/31/2012	3-18	98.50	3.40	95.10	<50	<31	--	<73	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	8/27/2012	3-18	98.50	6.41	92.09	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	11/21/2012	3-18	98.50	2.86	95.64	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	2/8/2013	3-18	98.50	3.09	95.41	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	5/10/2013	3-18	98.50	4.44	94.06	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	8/8/2013	3-18	98.50	6.44	92.06	<50	73	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	10/23/2013	3-18	98.50	3.46	95.04	<50	<30	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	2/25/2014	3-18	98.50	2.64	95.86	<50	<28	--	<65	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	5/28/2014	3-18	98.50	3.92	94.58	<50	<28	--	<66	--	<0 5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	8/26/2014	3-18	98.50	5.89	92.61	<50	<29	--	100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	11/4/2014	3-18	98.50	2.77	95.73	<50	<29	--	<68	--	<03	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	3/23-24/2015	3-18	98.50	3.00	95.50	<50	<28	--	<65	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	

Table 1
Groundwater Gauging Data and Analytical Results Fourth Quarter 2004 to Current
Former Standard Oil Bulk Plant 302095
149 and 167 Main Street
Morton, Washington

Well	Date	Screen Interval (ft. bTOC)	Top of Casing (ft. above NAVD 88)	Depth to Water (ft. bTOC)	Groundwater Elevation (ft. above NAVD 88)	GRO	DRO	DRO w/ SGT	HRO	HRO w/ SGT	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl tert-butyl ether	Dissolved Lead	Total Lead	Naphthalene	n-Hexane	Comments
MTCA Method A CULs						**800/1,000**	**500**	**500**	**500**	**500**	**5**	**1000**	**700**	**1000**	**20**	**15**	**15**	**160**	**NE**	
MW-14	5/26-27/2015	3-18	98.50	5.28	93.22	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	8/13/2015	3-18	98.50	7.19	91.31	<50	100	--	<100	--	<03	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	11/16-17/2015	3-18	98.50	3.02	95.48	<50	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	2/21-22/2016	3-18	98.50	2.94	95.56	<50	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	5/15-16/2016	3-18	98.50	4.87	93.63	<50	<47	--	<110	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-14	8/15-16/2016	3-18	98.50	5.70	92.80	<50	<46	--	<100	--	<0.2	<0.2	<0.2	<0 2	--	--	--	--	--	
MW-14	11/15/2016	3-18	98.50	2.76	95.74	<50	<46	--	<100	--	<0.2	<0.2	<0.2	<0 2	--	--	--	--	--	
MW-14	1/10/2019	3-18	98.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Not Included in Monitoring Program
MW-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		Well Abandoned March 2018
MW-15	12/2/2008	3-18	97.81	1.73	96.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-15	3/18/2009	3-18	97.81	1.45	96.36	**1,200**	300	--	180	--	<0.5	<0.5	1	<0.5	<0.5	--	--	--	--	
MW-15	5/26-27/2009	3-18	97.81	2.75	95.06	**1,500**	140	--	<69	--	<0.5	<0.5	1	<0.5	<0.5	--	--	--	--	
MW-15	8/3-4/2009	3-18	97.81	5.59	92.22	**1,200**	190	--	<69	--	0.9	<0.5	1	<0.5	<0.5	--	--	--	--	
MW-15	12/29-30/2009	3-18	97.81	2.48	95.33	**1,500**	230	--	<68	--	1.9	1.1	1.8	2.9	--	--	--	--	--	
MW-15	2/4-5/2010	3-18	97.81	2.54	95.27	**1,600**	190	--	<69	--	1.7	1.1	1.9	3.2	--	--	--	--	--	
MW-15	6/1/2010	3-18	97.81	1.67	96.14	760	82	--	<69	--	<0.5	0.7	0.9	<5.0	--	--	--	--	--	
MW-15	8/10/2010	3-18	97.81	5.15	92.66	**1,300**	160	--	<69	--	1.5	0.9	1.3	<10	--	--	--	--	--	
MW-15	11/18/2010	3-18	97.81	1.38	96.43	**830**	120	--	<66	--	1.2	0.8	0.9	<5.0	--	--	--	--	--	
MW-15	3/15/2011	3-18	97.81	1.60	96.21	**1,200**	180	--	77	--	2.6	2.1	1.6	6.9	--	--	--	--	--	
MW-15	6/2/2011	3-18	97.81	2.55	95.26	**1,300**	270	--	<71	--	1.6	<10	1.8	4.8	--	--	--	--	--	
MW-15	8/25/2011	3-18	97.81	5.60	92.21	**870**	210	--	<69	--	1.3	<0.5	1.5	7.1	--	--	--	--	--	
MW-15	11/10/2011	3-18	97.81	3.05	94.76	750	66	--	<69	--	<2.0	<5.0	1.3	6.7	--	--	--	--	--	
MW-15	2/10/2012	3-18	97.81	2.50	95.31	**820**	35	--	160	--	<2.0	<6.0	2.1	5.8	--	--	--	--	--	
MW-15	5/30/2012	3-18	97.81	2.50	95.31	**1,100**	110	--	<69	--	1.1	<8.0	2.4	7.8	--	--	--	--	--	
MW-15	8/28/2012	3-18	97.81	5.53	92.28	740	190	--	<69	--	1.4	<5.0	1.9	5.4	--	--	--	--	--	
MW-15	11/21/2012	3-18	97.81	1.93	95.88	760	57	--	<66	--	1.4	<5.0	2	5.6	--	--	--	--	--	
MW-15	2/7/2013	3-18	97.81	1.78	96.03	640	47	--	<66	--	1.1	<6.0	1.8	<6.0	--	--	--	--	--	
MW-15	5/10/2013	3-18	97.81	4.23	93.58	580	<29	--	<67	--	1	<4.0	0.9	<6.0	--	--	--	--	--	
MW-15	8/8/2013	3-18	97.81	5.89	91.92	630	150	--	<66	--	**13**	<5.0	1.9	6.3	--	--	--	--	--	
MW-15	10/22/2013	3-18	97.81	2.98	94.83	430	<30	--	<70	--	0.6	<3.0	0.8	2.3	--	--	--	--	--	
MW-15	2/25/2014	3-18	97.81	1.54	96.27	**900**	38	--	<70	--	1	<5.0	1.6	6.8	--	--	--	--	--	
MW-15	5/28/2014	3-18	97.81	2.32	95.49	760	36	--	<68	--	<2.0	<2.0	1.2	6	--	--	--	--	--	
MW-15	8/26/2014	3-18	97.81	4.89	92.92	870	50	--	<67	--	<2.0	<2.0	1.5	<8.0	--	--	--	--	--	
MW-15	11/3/2014	3-18	97.81	1.89	95.92	360	50	--	<69	--	0.9	<2.0	1	<6.0	--	--	--	--	--	
MW-15	3/23-24/2015	3-18	97.81	1.91	95.90	480	48	--	<65	--	<0.5	1.2	1.1	<5.0	--	--	--	--	--	
MW-15	5/26-27/2015	3-18	97.81	5.58	92.23	580	51	--	<68	--	<0.5	<2.0	1.6	<7.0	--	--	--	--	--	
MW-15	8/13/2015	3-18	97.81	6.06	91.75	**900**	150	--	<110	--	1	1.1	1.7	5.4	--	--	--	--	--	
MW-15	11/16-17/2015	3-18	97.81	1.75	96.06	460	78	--	<100	--	<0.5	<0.5	<0.5	2.6	--	--	--	--	--	
MW-15	2/21-22/2016	3-18	97.81	1.45	96.36	180	69	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-15	5/15-16/2016	3-18	97.81	3.55	94.26	330	62	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-15	8/15-16/2016	3-18	97.81	4.65	93.16	**1,000**	85	--	<100	--	<0.2	<0.2	1	4.1	--	--	--	--	--	
MW-15	11/15/2016	3-18	97.81	1.70	96.11	**1,200**	73	--	<100	--	<0.9	<0.2	1.3	4.8						
MW-15	1/10/2019	3-18	97.81	1.29	96.52	<19	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-15	7/21/2019	3-18	97.81	2.70	95.11	<19	<45	--	<100	--	<0.2	<0.2	<0.4	<1.0	--	--	--	--	--	
MW-15	2/12/2020	3-18	949.09	1.25	947.84	379	238	--	<250	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	Well Resurveyed
MW-15	8/2/2020	3-18	949.09	3.82	945.27	670	218	--	<250	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-15	2/9/2021	3-18	949.09	1.25	947.84	254 B	<200	--	<250	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-15	7/13/2021	3-18	949.09	3.16	945.93	46.5 B J	<200	--	<250	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-15	1/10/2022	3-18	949.09	1.18	947.91	228	233	<200 J3	111 J	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-15	7/20/2022	3-18	949.09	2.65	946.44	<100	84.7 J	--	<250	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-15	1/10/2023	3-18	949.09	1.38	947.71	<100	117 J	--	162 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	
MW-16	12/2/2008	3-18	97.73	2.32	95.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-16	3/18/2009	3-18	97.73	1.30	96.43	520	**1,200**	--	220	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-16	5/26-27/2009	3-18	97.73	2.97	94.76	680	390	--	<69	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-16	8/3-4/2009	3-18	97.73	5.36	92.37	410	**540**	--	<69	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-16	12/29-30/2009	3-18	97.73	2.80	94.93	500	**710**	--	100	--	0.6	0.6	<0.5	1.7	--	--	--	--	--	
MW-16	2/4-5/2010	3-18	97.73	2.89	94.84	**810**	**730**	--	70	--	0.8	0.9	0.7	1.7	--	--	--	--	--	
MW-16	6/1/2010	3-18	98.63	2.79	95.84	**1,400**	380	--	<69	--	<5.0	2.2	1.3	<1.5	--	--	--	--	--	
MW-16	8/10/2010	3-18	98.63	6.33	92.30	550	240	--	<90	--	0.6	0.6	0.6	1.7	--	--	--	--	--	
MW-16	11/18/2010	3-18	98.63	2.44	96.19	710	420	--	<68	--	0.8	1	0.9	1.8	--	--	--	--	--	
MW-16	3/15/2011	3-18	98.63	2.71	95.92	**890**	**1,500**	--	440	--	2.6	2.2	1.1	3.8	--	--	--	--	--	
MW-16	6/2/2011	3-18	98.63	3.60	95.03	490	**2,400**	--	320	--	0.5	<2.0	0.6	<5.0	--	--	--	--	--	
MW-16	8/25/2011	3-18	98.63	6.60	92.03	110	230	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-16	11/10/2011	3-18	98.63	4.35	94.28	510	**850**	--	<69	--	0.5	0.6	0.8	2.9	--	--	--	--	--	
MW-16	2/10/2012	3-18	98.63	3.35	95.28	370	71	--	<67	--	0.6	0.6	0.7	1.6	--	--	--	--	--	
MW-16	5/31/2012	3-18	98.63	3.80	94.83	530	**1,800**	--	<70	--	0.7	0.6	1	2.7	--	--	--	--	--	
MW-16	8/28/2012	3-18	98.63	6.39	92.24	130	42	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-16	11/20/2012	3-18	98.63	2.83	95.80	390	120	--	<66	--	0.6	0.5	0.6	<1.5	--	--	--	--	--	
MW-16	2/7/2013	3-18	98.63	2.91	95.72	480	120	--	<66	--	0.7	0.5	0.8	<1.5	--	--	--	--	--	
MW-16	5/9/2013	3-18	98.63	4.39	94.24	450	77	--	<68	--	0.6	<0.5	0.6	<5.0	--	--	--	--	--	
MW-16	8/8/2013	3-18	98.63	6.23	92.40	170	400	--	<67	--	<0.5	<0.5	0.6	<1.5	--	--	--	--	--	
MW-16	10/23/2013	3-18	98.63	4.16	94.47	580	99	--	<67	--	0.7	0.5	0.9	<5.0	--	--	--	--	--	
MW-16	2/25/2014	3-18	98.63	2.64	95.99	660	120	--	<70	--	0.7	0.6	1	2.7	--	--	--	--	--	
MW-16	5/27/2014	3-18	98.63	3.80	94.83	650	140	--	<67	--	0.6	0.5	0.9	2.5	--	--	--	--	--	
MW-16	8/25/2014	3-18	98.63	5.87	92.76	220	57	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-16	11/4/2014	3-18	98.63	2.88	95.75	480	**1,800**	--	220	--	<2.0	0.7	1.1	<5.0	--	--	--	--	--	
MW-16	3/23-24/2015	3-18	98.63	2.82	95.81	220	230	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-16	5/26-27/2015	3-18	98.63	4.72	93.91	180	93	--	<66	--	<0 5	<0.5	0.5	<2.0	--	--	--	--	--	
MW-16	8/13/2015	3-18	98.63	7.13	91.50	100	150	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-16	11/16-17/2015	3-18	98.63	2.98	95.65	**1,700**	**1,700**	--	250	--	1.3	1.2	1.5	2.1	--	--	--	--	--	
MW-16	2/21-22/2016	3-18	98.63	2.68	95.95	**1,800**	**760**	--	<100	--	1.3	1	1.4	2.2	--	--	--	--	--	
MW-16	5/15-16/2016	3-18	98.63	4.89	93.74	400	280	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-16	8/15-16/2016	3-18	98.63	5.69	92.94	700	290	--	<100	--	0.5	<0.2	0.8	1.6	--	--	--	--	--	
MW-16	11/15/2016	3-18	98.63	2.56	96.07	**940**	380	--	<100	--	0.7	0.6	1	1.7						
MW-16	1/10/2019	3-18	98.63	2.31	96.32	610	**590**	--	<100	--	0.9 J	0.6 J	1 J	<1.5	--	--	--	--	--	
MW-16	7/21/2019	3-18	98.63	3.77	94.86	**2,000**[1]	**550**	--	<100	--	<0.2	0.5 J	<0.4	<1.0	--	--	--	--	--	
MW-16	2/12/2020	3-18	949.89	2.18	947.71	167	**670**	--	184 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	
MW-16 DUP	2/12/2020	3-18	949.89	2.18	947.71	105	**665**	--	175 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	Well Resurveyed
MW-16	8/2/2020	3-18	949.89	4.70	945.19	345 B	**1,570**	--	134 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-16	2/9/2021	3-18	949.89	2.21	947.68	292 B	**642**	--	**593**	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-16	7/13/2021	3-18	949.89	4.16	945.73	493 B	**536**	--	177 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-16 DUP	7/13/2021	3-18	949.89	--	--	413 B	**550**	--	142 J	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-16	1/10/2022	3-18	949.89	2.20	947.69	179	**665**	127 J J3	333	<250	<1.00	<1.00	<1.00	0.225 J	--	--	--	--		

Table 1
Groundwater Gauging Data and Analytical Results Fourth Quarter 2004 to Current
Former Standard Oil Bulk Plant 302095
149 and 167 Main Street
Morton, Washington

Well	Date	Screen Interval (ft. bTOC)	Top of Casing (ft. above NAVD 88)	Depth to Water (ft. bTOC)	Groundwater Elevation (ft. above NAVD 88)	GRO	DRO	DRO w/ SGT	HRO	HRO w/ SGT	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl tert-butyl ether	Dissolved Lead	Total Lead	Naphthalene	n-Hexane	Comments
MTCA Method A CULs						**800/1,000**	**500**	**500**	**500**	**500**	**5**	**1000**	**700**	**1000**	**20**	**15**	**15**	**160**	**NE**	
MW-16	7/20/2022	3-18	949.89	3.76	946.13	313	**731**	**--**	208 J	**--**	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-16	1/10/2023	3-18	949.89	2.60	947.29	185 B	**720**	143 J	237 J	<250	0.106 J	<1.00	<1.00	<3.00	--	--	--	--	--	
MW-17	12/2/2008	3-18	97.76	2.21	95.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-17	3/18/2009	3-18	97.76	1.29	96.47	<50	310	--	200	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-17	5/26-27/2009	3-18	97.76	2.78	94.98	130	360	--	<69	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-17	8/3-4/2009	3-18	97.76	5.45	92.31	<50	100	--	<68	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-17	12/29-30/2009	3-18	97.76	3.44	94.32	<50	150	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	2/4-5/2010	3-18	97.76	3.49	94.27	53	220	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	6/1/2010	3-18	97.76	2.54	95.22	<50	82	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	8/10/2010	3-18	97.76	6.22	91.54	<50	87	--	<90	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	11/18/2010	3-18	97.76	2.34	95.42	<50	70	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	3/15/2011	3-18	97.76	2.55	95.21	94	140	--	84	--	2	2	<0.5	<1.5	--	--	--	--	--	
MW-17	6/2/2011	3-18	97.76	3.41	94.35	70	280	--	160	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	8/25/2011	3-18	97.76	6.70	91.06	<50	95	--	<73	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	11/10/2011	3-18	97.76	4.00	93.76	<50	100	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	2/10/2012	3-18	97.76	3.20	94.56	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	5/31/2012	3-18	97.76	3.60	94.16	<50	81	--	<71	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	8/28/2012	3-18	97.76	6.35	91.41	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	11/20/2012	3-18	97.76	2.53	95.23	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	2/7/2013	3-18	97.76	2.89	94.87	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	5/9/2013	3-18	97.76	4.13	93.63	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	8/8/2013	3-18	97.76	6.24	91.52	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	10/23/2013	3-18	97.76	4.04	93.72	<50	<29	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	2/25/2014	3-18	97.76	2.48	95.28	56	<28	--	<65	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	5/27/2014	3-18	97.76	3.64	94.12	<50	36	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	8/25/2014	3-18	97.76	5.97	91.79	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	11/4/2014	3-18	97.76	2.61	95.15	<50	99	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	3/23-24/2015	3-18	97.76	2.88	94.88	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	5/26-27/2015	3-18	97.76	4.71	93.05	<50	31	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	8/13/2015	3-18	97.76	7.26	90.50	<50	58	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	11/16-17/2015	3-18	97.76	2.70	95.06	79	65	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	2/21-22/2016	3-18	97.76	2.62	95.14	100	110	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	5/15-16/2016	3-18	97.76	4.76	93.00	<50	87	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-17	8/15-16/2016	3-18	97.76	5.73	92.03	<50	60	--	<100	--	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--	
MW-17	11/15/2016	3-18	97.76	2.41	95.35	<50	74	--	<100	--	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--	
MW-17	1/10/2019	3-18	97.76	2.38	95.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Included in Monitoring Program
MW-17	7/21/2019	3-18	97.76	3.54	94.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Included in Monitoring Program
MW-17	2/12/2020	3-18	949.85	2.00	947.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well Resurveyed; Not Included in Monitoring Program
MW-17	8/2/2020	3-18	949.85	4.58	945.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Included in Monitoring Program
MW-17	2/9/2021	3-18	949.85	2.08	947.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Included in Monitoring Program
MW-17	7/13/2021	3-18	949.85	3.98	945.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Included in Monitoring Program
MW-17	1/10/2022	3-18	949.85	2.05	947.80	<100	230	92.1 J J3	200 J	134 J	<1.00	<1.00	<1.00	0.263 J	--	--	--	--		
MW-17	7/20/2022	3-18	949.85	3.98	945.87	<100	352	**--**	169 J	**--**	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-17 DUP	7/20/2022	3-18	949.85	--	--	<100	341	**--**	186 J	**--**	<1.00	<1.00	<1.00	<3.00	--	--	--	--		
MW-17	1/10/2023	3-18	949.85	2.35	947.50	<100	333	<200	220 J	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	
MW-17 DUP	1/10/2023	3-18	949.85	--	--	<100	320	<200	202 J	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	Duplicate
MW-18	12/2/2008	3-18	98.44	3.41	95.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-18	3/18/2009	3-18	98.44	2.61	95.83	<50	73	--	<72	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-18	5/26-27/2009	3-18	98.44	3.83	94.61	120	390	--	110	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-18	8/3-4/2009	3-18	98.44	6.51	91.93	<50	130	--	<70	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-18	12/29-30/2009	3-18	98.44	3.02	95.42	<50	360	--	120	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	2/4-5/2010	3-18	98.44	2.77	95.67	<50	130	--	310	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	6/1/2010	3-18	98.44	1.62	96.82	<50	<30	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	8/10/2010	3-18	98.44	5.66	92.78	<50	310	--	400	--	<0.5	<0.5	<0.5	<1.6	--	--	--	--	--	
MW-18	11/18/2010	3-18	98.44	0.85	97.59	<50	42	--	160	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	3/15/2011	3-18	98.44	1.17	97.27	<50	60	--	200	--	3	2	<0.5	<1.5	--	--	--	--	--	
MW-18	6/2/2011	3-18	98.44	1.46	96.98	<50	<300	--	**<700**	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	8/25/2011	3-18	98.44	6.10	92.34	<50	710	--	230	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	11/10/2011	3-18	98.44	3.40	95.04	<50	<29	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	2/10/2012	3-18	98.44	2.40	96.04	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	5/31/2012	3-18	98.44	1.20	97.24	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	8/27/2012	3-18	98.44	5.35	93.09	<50	31	--	190	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	11/20/2012	3-18	98.44	1.23	97.21	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	2/7/2013	3-18	98.44	0.97	97.47	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	5/9/2013	3-18	98.44	3.74	94.70	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	8/8/2013	3-18	98.44	5.65	92.79	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	10/23/2013	3-18	98.44	3.60	94.84	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	2/25/2014	3-18	98.44	1.33	97.11	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	5/27/2014	3-18	98.44	2.68	95.76	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	8/25/2014	3-18	98.44	5.27	93.17	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	11/4/2014	3-18	98.44	1.31	97.13	<50	<29	--	<68	--	<05	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	3/23-24/2015	3-18	98.44	1.01	97.43	<50	<30	--	<71	--	<0.5	<0.5	<0 5	<1.5	--	--	--	--	--	
MW-18	5/26-27/2015	3-18	98.44	4.41	94.03	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	8/13/2015	3-18	98.44	6.82	91.62	<50	77	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	11/16-17/2015	3-18	98.44	1.08	97.36	<50	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	2/21-22/2016	3-18	98.44	1.19	97.25	<50	<47	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	5/15-16/2016	3-18	98.44	3.22	95.22	<50	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-18	8/15-16/2016	3-18	98.44	5.21	93.23	<50	<46	--	<100	--	<0.2	<0.2	<0 2	<0.2	--	--	--	--	--	
MW-18	11/15/2016	3-18	98.44	0.44	98.00	<50	<45	--	<100	--	<0.2	<0.2	<0 2	<0.2	--	--	--	--	--	
MW-18	1/10/2019	3-18	98.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Included in Monitoring Program
MW-18	7/21/2019	3-18	98.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Included in Monitoring Program
MW-18	2/12/2020	3-18	949.19	0.84	948.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well Resurveyed; Not Included in Monitoring Program
MW-19	12/2/2008	3-18	98.54	3.78	94.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-19	3/18/2009	3-18	98.54	2.90	95.64	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-19	5/26-27/2009	3-18	98.54	4.56	93.98	<50	360	--	500	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-19	8/3-4/2009	3-18	98.54	6.88	91.66	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-19	12/29-30/2009	3-18	98.54	3.02	95.52	<50	<29	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	2/4-5/2010	3-18	98.54	3.75	94.79	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	6/1/2010	3-18	98.54	3.14	95.40	<50	<30	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	8/10/2010	3-18	98.54	6.41	92.13	<50	<29	--	<90	--	<0.5	<0.5	<0.5	<1.6	--	--	--	--	--	
MW-19	11/18/2010	3-18	98.54	1.89	96.65	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	3/15/2011	3-18	98.54	2.78	95.76	<50	44	--	85	--	2	2	<0.5	<1.5	--	--	--	--	--	

Table 1
Groundwater Gauging Data and Analytical Results Fourth Quarter 2004 to Current
Former Standard Oil Bulk Plant 302095
149 and 167 Main Street
Morton, Washington

Well	Date	Screen Interval (ft. bTOC)	Top of Casing (ft. above NAVD 88)	Depth to Water (ft. bTOC)	Groundwater Elevation (ft. above NAVD 88)	GRO	DRO	DRO w/ SGT	HRO	HRO w/ SGT	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl tert-butyl ether	Dissolved Lead	Total Lead	Naphthalene	n-Hexane	Comments
MTCA Method A CULs						**800/1,000**	**500**	**500**	**500**	**500**	**5**	**1000**	**700**	**1000**	**20**	**15**	**15**	**160**	**NE**	
MW-19	6/2/2011	3-18	98.54	3.94	94.60	<50	36	--	79	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	8/25/2011	3-18	98.54	6.95	91.59	<50	41	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	11/10/2011	3-18	98.54	4.70	93.84	<50	<29	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	2/10/2012	3-18	98.54	4.05	94.49	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	5/31/2012	3-18	98.54	4.30	94.24	<50	<32	--	<75	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	8/27/2012	3-18	98.54	6.90	91.64	<50	<32	--	<75	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	11/20/2013	3-18	98.54	3.18	95.36	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	2/7/2013	3-18	98.54	3.74	94.80	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	5/9/2013	3-18	98.54	5.03	93.51	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	8/8/2013	3-18	98.54	6.89	91.65	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	10/23/2013	3-18	98.54	4.83	93.71	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	2/24/2014	3-18	98.54	3.40	95.14	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	5/27/2014	3-18	98.54	4.52	94.02	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	8/25/2014	3-18	98.54	6.59	91.95	<50	<28	--	<66	--	<0.5	<0.5	<0 5	<15	--	--	--	--	--	
MW-19	11/4/2014	3-18	98.54	1.86	96.68	<50	<33	--	<77	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	3/23-24/2015	3-18	98.54	1.00	97.54	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	5/26-27/2015	3-18	98.54	5.64	92.90	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	8/13/2015	3-18	98.54	7.79	90.75	<50	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	11/16-17/2015	3-18	98.54	2.70	95.84	<50	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	2/21-22/2016	3-18	98.54	3.45	95.09	<50	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	5/15-16/2016	3-18	98.54	5.55	92.99	<50	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-19	8/15-16/2016	3-18	98.54	6.46	92.08	<50	<46	--	<100	--	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--	
MW-19	11/15/2016	3-18	98.54	2.74	95.80	<50	<45	--	<100	--	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--	
MW-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well Abandoned March 2018
MW-20	12/2/2008	3-18	98.92	1.93	96.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-20	3/18/2009	3-18	98.92	1.85	97.07	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-20	5/26-27/2009	3-18	98.92	3.60	95.32	<50	63	--	<69	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-20	8/3-4/2009	3-18	98.92	7.28	91.64	<50	75	--	<70	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
MW-20	12/29-30/2009	3-18	98.92	2.81	96.11	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	2/4-5/2010	3-18	98.92	2.70	96.22	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	6/1/2010	3-18	98.92	2.30	96.62	<50	<29	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	8/10/2010	3-18	98.92	6.49	92.43	<50	350	--	300	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	11/18/2010	3-18	98.92	1.80	97.12	<50	<29	--	170	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	3/15/2011	3-18	98.92	2.26	96.66	<50	<29	--	170	--	2	2	<0.5	<1.5	--	--	--	--	--	
MW-20	6/3/2011	3-18	98.92	2.73	96.19	<50	<31	--	<71	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	8/25/2011	3-18	98.92	7.27	91.65	<50	120	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	11/10/2011	3-18	98.92	3.55	95.37	<50	<30	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	2/10/2012	3-18	98.92	2.45	96.47	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	5/30/2012	3-18	98.92	2.80	96.12	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	8/28/2012	3-18	98.92	6.82	92.10	<50	70	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	11/21/2012	3-18	98.92	1.93	96.99	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	2/7/2013	3-18	98.92	2.40	96.52	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	5/10/2013	3-18	98.92	4.06	94.86	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	8/8/2013	3-18	98.92	6.18	92.74	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	10/22/2013	3-18	98.92	3.81	95.11	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	2/25/2014	3-18	98.92	2.26	96.66	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	5/28/2014	3-18	98.92	2.76	96.16	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	8/26/2014	3-18	98.92	6.08	92.84	<50	30	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	11/3/2014	3-18	98.92	1.90	97.02	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	3/23-24/2015	3-18	98.92	1.98	96.94	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	5/26-27/2015	3-18	98.92	4.88	94.04	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	8/13/2015	3-18	98.92	7.81	91.11	<50	89	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	11/16-17/2015	3-18	98.92	2.20	96.72	<50	<45	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	2/21-22/2016	3-18	98.92	1.94	96.98	<50	<46	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	5/15-16/2016	3-18	98.92	3.89	95.03	<50	<47	--	<100	--	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	
MW-20	8/15-16/2016	3-18	98.92	5.76	93.16	<50	300	--	<100	--	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--	
MW-20	11/15/2016	3-18	98.92	1.84	97.08	<50	<45	--	<100	--	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--	
MW-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well Abandoned March 2018
TRIP BLANK	7/20/2022	--	--	--	--	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--		
TRIP BLANK	1/10/2023	--	--	--	--	<100	--	--	--	--	<1.00	<3.00	<1.00	<3.00	--	--	--	--	--	

Notes:
Results reported in micrograms per liter (µg/L)
BOLD and highlighted values are greater than their respective MTCA Method A cleanup level
BOLD values are non-detect below the laboratory reporting limit (RL), but the RL is greater than the MTCA Method A cleanup level
Laboratory analytical methods for historical data may not be consistent with current analytical methods. Consult laboratory reports for historical analytical methods used.
Top of Casing data prior to first quarter of 2020 was measured relative to arbitrary 100-foot elevation.
Top of Casing data after the first quarter of 2020 (02/12/20) measured relatvie to North American Vertical Datum of 1988 (NAVD 88).
800/1,000 = GRO MTCA Method A CUL with benzene present is 800 µg/L and without is 1,000 µg/L

Abbreviations:
-- = Not applicable, not available, or not analyzed
BTEX = benzene, toluene, ethylbenzene, and xylenes
CUL = Cleanup Level
DUP = Blind duplicate sample results
ft. bTOC = feet below top of casing
ft. above NAVD 88 = feet above North American Vertical Datum of 1988
MTCA = Model Toxics Control Act
MW = groundwater monitoring well
DRO = Total Petroleum Hydrocarbon as Diesel Range Organics
DRO w/ SGT = Total Petroleum Hydrocarbon as Diesel Range Organics w/ Silica Gel Treatment
GRO = Total Petroleum Hydrocarbons as Gasoline-Range Organics
HRO = Total Pretoleum Hydrocarbons as Heavy Oil Range Organics
HRO w/ SGT = Total Petroleum Hydrocarbon as Heavy Oil Range Organics w/ Silica Gel Treatment

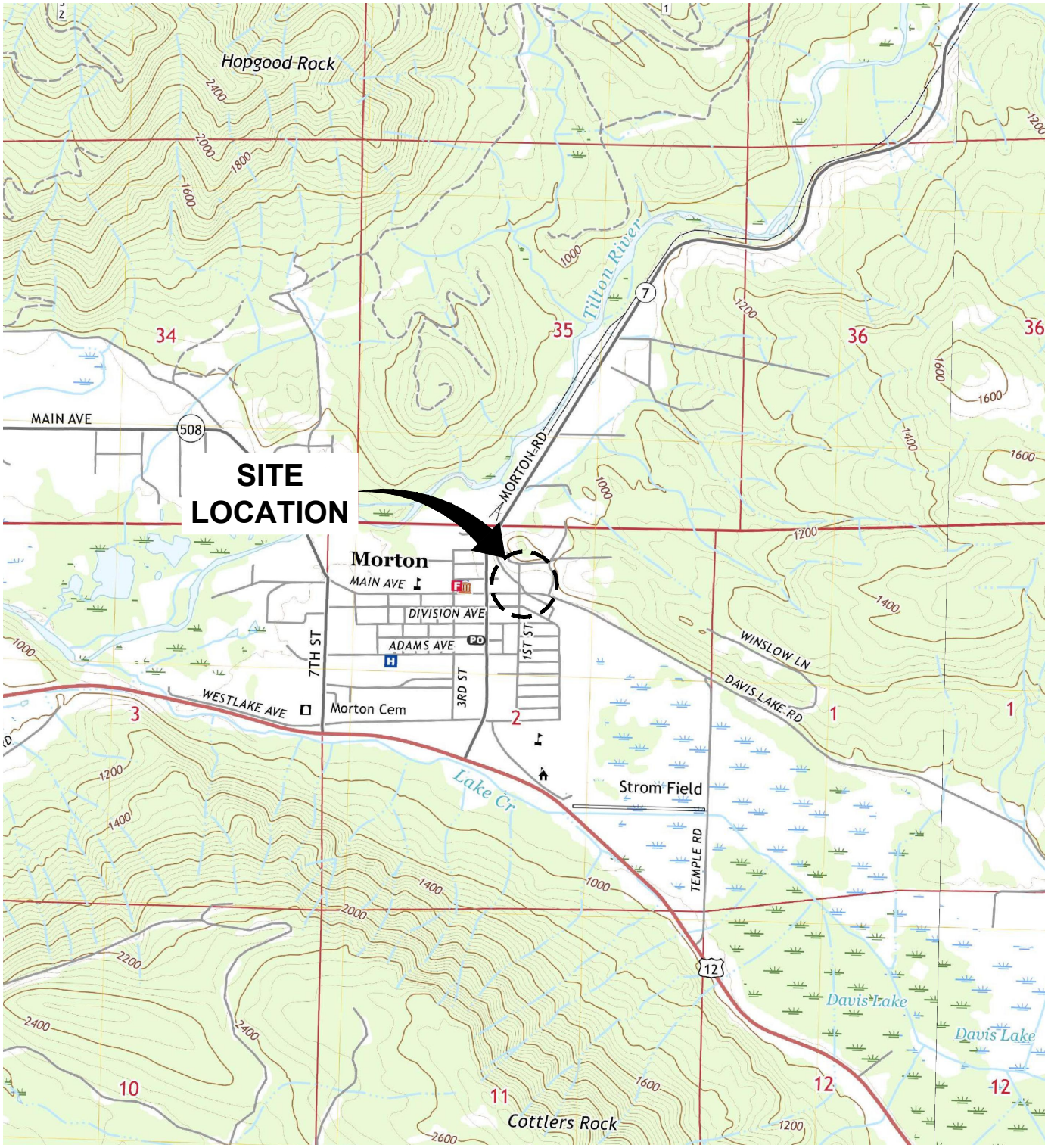
Laboratory Qualifiers:
< = Not detected at or above the laboratory RL
J = The associated numerical value is an estimated concentration only
B = The same analyte is found in the associated blank

Table 1
Groundwater Gauging Data and Analytical Results Fourth Quarter 2004 to Current
Former Standard Oil Bulk Plant 302095
149 and 167 Main Street
Morton, Washington

Well	Date	Screen Interval (ft. bTOC)	Top of Casing (ft. above NAVD 88)	Depth to Water (ft. bTOC)	Groundwater Elevation (ft. above NAVD 88)	GRO	DRO	DRO w/ SGT	HRO	HRO w/ SGT	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl tert-butyl ether	Dissolved Lead	Total Lead	Naphthalene	n-Hexane	Comments
MTCA Method A CULs						**800/1,000**	**500**	**500**	**500**	**500**	**5**	**1000**	**700**	**1000**	**20**	**15**	**15**	**160**	**NE**	

Current Analytical Methods:
GRO analyzed by Method NWTPH-Gx
BTEX analyzed by the United States Environmental Protection Agency Method 8260D
DRO analyzed by NWTPH-Dx
DRO w/ Si Gel analyzed by NWTPHDX-SGT
HRO analyzed by NWTPH-Dx-NO SGT

FIGURES



SOURCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., MORTON AND GLENOMA, WA 2020.

N

0 2,000' 4,000'

APPROXIMATE SCALE : 1 in. = 2,000 ft.

FORMER STANDARD OIL BULK PLANT 302095
149 & 167 MAIN STREET
MORTON, WASHINGTON

SITE LOCATION MAP

ARCADIS

FIGURE 1

LEGEND:

- MW-16 GROUNDWATER MONITORING WELL
- MW-6 ABANDONED OR DESTROYED MONITORING WELL LOCATIONS
- FENCE LINE
- RAILROAD TRACKS

N

GEOTEXTILE LINED PLANTER

JAN'S LOST & FOUND

JAN'S WAREHOUSE

DEPOT

SIDEWALK

SIDEWALK

EXISTING OFFICE

RESTROOM

POWER POLE

DAVIS LAKE ROAD

FRONT AVENUE

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8 MW-9 MW-10 MW-11 MW-12 MW-13 MW-14 MW-15 MW-16 MW-17 MW-18 MW-19 MW-20

0 30' 60'

APPROXIMATE SCALE : 1 in. 30 ft

FORMER STANDARD OIL BULK PLANT 302095
149 & 167 MAIN STREET
MORTON, WASHINGTON

SITE PLAN

ARCADIS

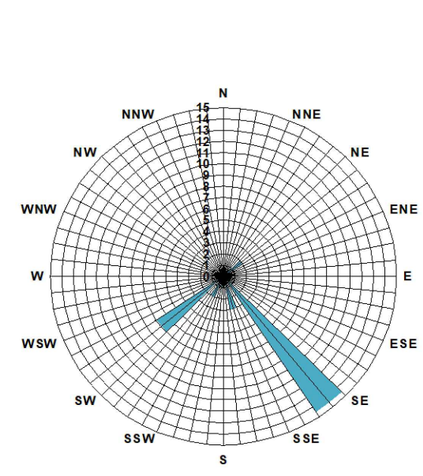
FIGURE 2

LEGEND:

- MW-16 — GROUNDWATER MONITORING WELL
- MW-6 — ABANDONED OR DESTROYED MONITORING WELL LOCATIONS
- FENCE LINE
- RAILROAD TRACKS
- (948.35) — GROUNDWATER ELEVATION (FEET ABOVE NAVD 88)
- 948.30 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (NG) — NOT GAUGED
- NAVD 88 — NORTH AMERICAN VERTICAL DATUM OF 1988

N

948.00
948.30
MW-13 (948.35)
MW-7 (947.98)
MW-8
948.30
GEOTEXTILE LINED PLANTER
JAN'S LOST & FOUND
MW-20
JAN'S WAREHOUSE
MW-3
948.00
MW-2
MW-14
947.70
MW-9 (NG)
MW-15 (947.71)
947.70
MW-4
SIDEWALK
MW-12 (NG)
MW-10
DEPOT
947.40
MW-17 (947.50)
947.40
MW-1
MW-18 (NG)
SIDEWALK
EXISTING OFFICE
MW-6
MW-5
RESTROOM
MW-16 (947.29)
MW-11 (NG)
POWER POLE
MW-19
DAVIS LAKE ROAD
FRONT AVENUE



GROUNDWATER FLOW DIRECTION

0 30' 60'

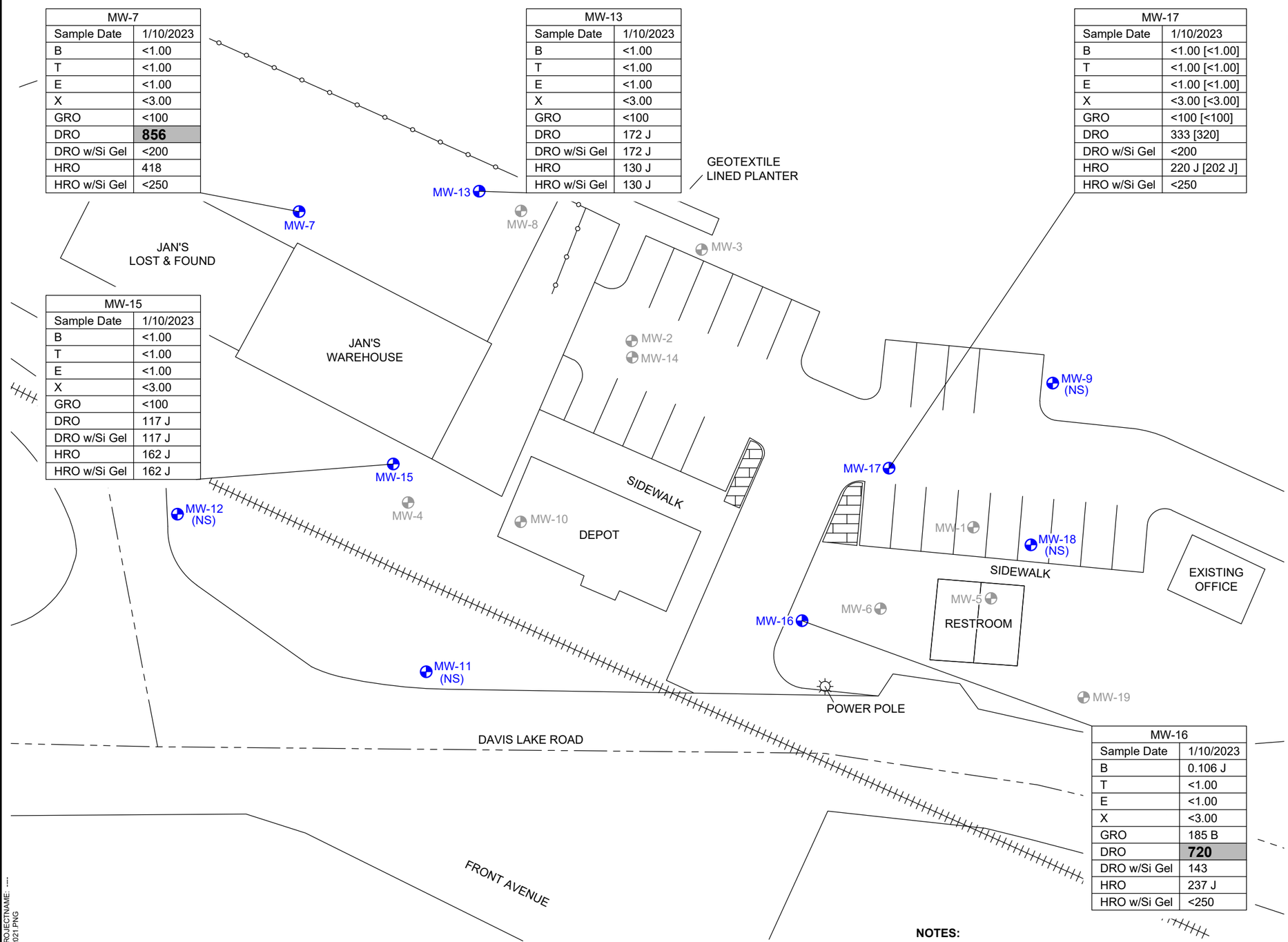
APPROXIMATE SCALE : 1 in. 30 ft

FORMER STANDARD OIL BULK PLANT 302095
149 & 167 MAIN STREET
MORTON, WASHINGTON

GROUNDWATER ELEVATION CONTOUR MAP JANUARY 10, 2023

ARCADIS

FIGURE 3



LEGEND:

- MW-16 — GROUNDWATER MONITORING WELL
- MW-6 — ABANDONED OR DESTROYED MONITORING WELL LOCATIONS
- FENCE LINE
- RAILROAD TRACKS
- **BOLD** — BOLD AND HIGHLIGHTED VALUES ARE GREATER THAN THEIR RESPECTIVE MODEL TOXIC CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL
- <1.00 — NOT DETECTED AT OR ABOVE THE LABORATORY REPORTED DETECTION LIMIT
- J — THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE
- B — THE SAME ANALYTE IS FOUND IN THE ASSOCIATED BLANK
- [ ] — DUPLICATE SAMPLE RESULTS
- (NS) — NOT SAMPLED

N

MTCA METHOD A CLEANUP LEVELS		
ABBREVIATION	CONSTITUENT	MTCA METHOD A CLEANUP LEVEL
B	BENZENE	**5**
T	TOLUENE	**1,000**
E	ETHYLBENZENE	**700**
X	TOTAL XYLENES	**1,000**
GRO	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS	**800/1,000**
DRO	TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS	**500**
DRO w/ Si Gel	TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS WITH SILICA GEL	**500**
HRO	TOTAL PETROLEUM HYDROCARBONS AS HEAVY OIL RANGE ORGANICS	**500**
HRO w/ Si Gel	TOTAL PETROLEUM HYDROCARBONS AS HEAVY OIL RANGE ORGANICS WITH SILICA GEL	**500**

0 30' 60'

APPROXIMATE SCALE : 1 in. 30 ft

NOTES:

1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
2. GRO MTCA METHOD A CLEANUP LEVEL IS 800 (µg/L) IF BENZENE PRESENT IN GROUNDWATER AND 1,000 (µg/L) IF NO DETECTABLE BENZENE IN GROUNDWATER.

FORMER STANDARD OIL BULK PLANT 302095
149 & 167 MAIN STREET
MORTON, WASHINGTON

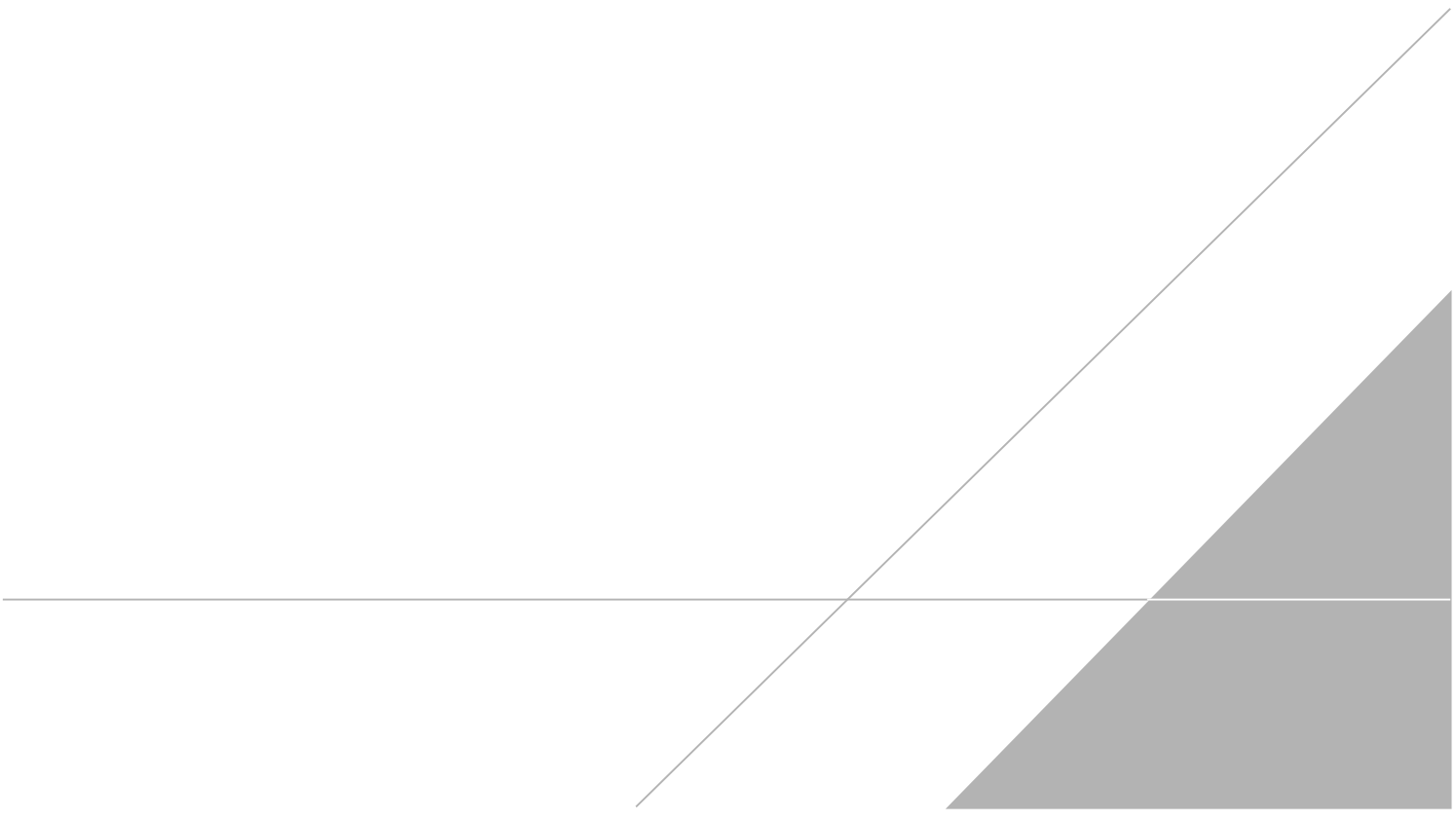
GROUNDWATER ANALYTICAL RESULTS JANUARY 10, 2023

ARCADIS

FIGURE 4

ATTACHMENT A

Regulatory Directive, April 24, 2017



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

April 24, 2017

Electronic Copy

Mr. Don Wyll
Principal Project Manager
Leidos
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

Re: Former Chevron Bulk Plant (Wolfe and Parks Property), Morton, Washington.
Compliance Groundwater Monitoring Modifications Approval Letter.

Dear Mr. Wyll:

I reviewed your proposed modifications to the Compliance Groundwater Monitoring Plan (copy enclosed) for the Former Chevron Bulk Plant (Wolfe and Parks Property) Site located at 149 and 167 Main Street, Morton, Washington. I also reviewed the results of the groundwater monitoring conducted at this Site from 2004 through 2016.

Based on my review of the above information, Ecology is here by approving your request except the abandonment of monitoring wells MW-13 and MW-17. Ecology's approval include the following:

- Reduction in the sampling frequency from quarterly to semi-annual.

- Reduction in the number of monitoring wells from twelve to five (MW-7, MW-11, MW-12, MW-15 and MW-16) for chemical analysis.

- Abandonment of four monitoring wells (MW-14, MW-18, MW-19 and MW-2). Based on the results of groundwater monitoring, Ecology understands that the contaminant concentrations in these wells were either below the laboratory detection limits or below the Model Toxics Control Act (MTCA) Method A cleanup levels since December 2008 (30 rounds of monitoring). Since continued monitoring of these wells will not provide any valuable information, it is Ecology's opinion that it is appropriate to discontinue the monitoring and abandon these wells.

- Ecology would like to retain the monitoring wells MW-13 and MW-17 just for water level measurements. Ecology believes that measurement of water level elevations in seven wells (MW-7, MW-11, MW-12, MW-13, MW-15, MW-16 and MW-17) will aid to develop a more accurate groundwater flow direction at the site.

- The two rounds of semi-annual groundwater monitoring must reflect the lowest and highest water level elevations (seasons). Please review the existing water level elevation data and select two rounds (seasons) for reflecting the lowest and highest water level conditions at the Site. These two rounds may coincide with the summer and winter seasons.

If you have any questions, regarding this approval, please call me at (360) 407-6335.

Sincerely,

Panjini Balaraju, P.E.

By Certified Mail: [91 7199 9991 7037 0279 7772]

Enclosure: (1)

cc: Central File

ATTACHMENT B

Field Data Sheets

Groundwater Gauging Log

Project Number	30063832
Client:	Chevron
Site ID:	302095
Site Location:	Morton, Washington
Measuring Point:	Top of Casing
Date(s):	01/10/2023
Sampler(s):	Lee Bures
Gauging Equipment:	Water Level Meter

Well ID	Date	Gauging Time	Static Water Level (ft bmp)	Depth to Product (ft bmp)	Total Depth (ft bmp)	PID Reading (ppm)	LNAPL Removed (gal)	Comments
MW-7	01/10/2023	11:07	3.13	ND	18.95	--	--	--
MW-13	01/10/2023	11:10	2.97	ND	16.52	--	--	--
MW-15	01/10/2023	11:12	1.38	ND	17.35	--	--	--
MW-16	01/10/2023	11:17	2.6	ND	18.62	--	--	--
MW-17	01/10/2023	11:15	2.35	ND	17.95	--	--	--

ft-bmp = feet below measuring point ND = Not Detected PID = Photoionization Detector Reading

ppm = parts per million -- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30063832	**Well ID**	MW-7	**Date**	1/10/2023		
Site Location	Morton, Washington	**Site ID**	302095	**Weather (°F)**	Cloudy	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	5 to 19	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	3.13	**Total Depth (ft-bmp)**	18.95	**Water Column (ft)**	15.82	**Gallons in Well**	2.57
Water Quality Meter Make/Model	Hach 2100Q,YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	13:17	**Well Volumes Purged**	0.31	**Sample ID**	MW-7-W-20230110	**Evacuation Equipment**	Peristaltic
Purge Start	12:59	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	13:14	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
13:02	200	3.95	7.74	0.205	1081	0.08	9.32	254.7	Clear	--
13:05	200	4.27	7.73	0.199	62.0	0.06	9.50	257.1	Clear	--
13:08	200	4.59	7.72	0.198	54.0	0.06	9.03	259.7	Clear	--
13:11	200	4.62	7.73	0.199	52.0	0.07	9.08	263.6	Clear	--
13:14	200	4.65	7.72	0.200	50.0	0.07	9.08	265.4	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-7-W-20230110 Sample Time: 13:17 Sample Depth (ft-bmp): 11.13

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30063832	**Well ID**	MW-13	**Date**	1/10/2023		
Site Location	Morton, Washington	**Site ID**	302095	**Weather (°F)**	Cloudy	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	3 to 18	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	2.97	**Total Depth (ft-bmp)**	16.52	**Water Column (ft)**	13.55	**Gallons in Well**	2.2
Water Quality Meter Make/Model	Hach 2100Q,YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	13:46	**Well Volumes Purged**	0.36	**Sample ID**	MW-13-W-20230110	**Evacuation Equipment**	Peristaltic
Purge Start	13:29	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	13:44	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
13:32	200	2.97	7.77	0.266	332	0.11	10.40	260.7	Clear	--
13:35	200	2.97	7.78	0.271	192	0.56	10.95	284.6	Clear	--
13:38	200	2.97	7.79	0.277	106	0.52	10.75	268.1	Clear	--
13:41	200	2.97	7.79	0.278	97.0	0.50	10.78	263.7	Clear	--
13:44	200	2.97	7.80	0.281	98.0	0.48	10.93	259.4	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-13-W-20230110 Sample Time: 13:46 Sample Depth (ft-bmp): 10

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30063832	**Well ID**	MW-15	**Date**	1/10/2023		
Site Location	Morton, Washington	**Site ID**	302095	**Weather (°F)**	Cloudy	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	3 to 18	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	1.38	**Total Depth (ft-bmp)**	17.35	**Water Column (ft)**	15.97	**Gallons in Well**	2.59
Water Quality Meter Make/Model	Hach 2100Q,YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	12:48	**Well Volumes Purged**	0.31	**Sample ID**	MW-15-W-20230110	**Evacuation Equipment**	Peristaltic
Purge Start	12:30	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	12:45	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:33	200	1.45	7.77	0.107	292	0.15	10.56	266.7	Clear	--
12:36	200	1.45	7.76	0.107	168	0.14	10.56	261.3	Clear	--
12:39	200	1.45	7.76	0.107	48.0	0.12	10.58	256.3	Clear	--
12:42	200	1.45	7.76	0.105	46.0	0.12	10.47	251.8	Clear	--
12:45	200	1.45	7.75	0.105	45.0	0.12	10.29	250.6	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-15-W-20230110 Sample Time: 12:48 Sample Depth (ft-bmp): 9.38

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30063832	**Well ID**	MW-16	**Date**	1/10/2023		
Site Location	Morton, Washington	**Site ID**	302095	**Weather (°F)**	Cloudy	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	3 to 18	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	2.6	**Total Depth (ft-bmp)**	18.62	**Water Column (ft)**	16.02	**Gallons in Well**	2.6
Water Quality Meter Make/Model	Hach 2100Q,YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**		Grab	
Sample Time	12:16	**Well Volumes Purged**	0.30	**Sample ID**	MW-16-W-20230110	**Evacuation Equipment**	Peristaltic
Purge Start	11:58	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	12:13	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:01	200	2.65	7.64	0.425	52.0	0.06	9.98	281	Clear	--
12:04	200	2.68	7.66	0.429	60.0	0.08	10.85	262	Clear	--
12:07	200	2.77	7.71	0.432	85.0	0.07	11.27	252.2	Clear	--
12:10	200	2.77	7.76	0.433	84.0	0.06	11.34	245.6	Clear	--
12:13	200	2.77	7.78	0.430	84.0	0.05	11.28	242.5	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-16-W-20230110 Sample Time: 12:16 Sample Depth (ft-bmp): 10.6

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30063832	**Well ID**	MW-17	**Date**	1/10/2023		
Site Location	Morton, Washington	**Site ID**	302095	**Weather (°F)**	Cloudy	**Sampled by**	Lee Bures
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	3 to 18	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	2.35	**Total Depth (ft-bmp)**	17.95	**Water Column (ft)**	15.60	**Gallons in Well**	2.53
Water Quality Meter Make/Model	Hach 2100Q,YSI 556 MP5	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	11:41	**Well Volumes Purged**	0.31	**Sample ID**	MW-17-W-20230110	**Evacuation Equipment**	Peristaltic
Purge Start	11:23	**Gallons Purged**	0.79	**Duplicate ID**	BD-W-20230110		
Purge End	11:38	**Total Purge Time (h:m)**	0:15				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:26	200	2.43	7.58	0.618	8.0	0.12	9.03	276.3	Clear	--
11:29	200	2.45	7.59	0.577	10.0	0.09	9.31	270.5	Clear	--
11:32	200	2.48	7.60	0.563	10.0	0.07	9.39	267.4	Clear	--
11:35	200	2.52	7.59	0.563	10.0	0.06	9.59	264.1	Clear	--
11:38	200	2.54	7.60	0.563	11.0	0.06	9.55	260.4	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-17-W-20230110 Sample Time: 11:41 Sample Depth (ft-bmp): 10.35

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Company Name/Address:
Arcadis - Chevron - WA

1100 Olive Way
Suite 800
Seattle, WA 98101

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Report to:
Sydney Clark

Email To:
sydney.clark@arcadis.com;Steve.Mahony@arca

Project Description:
302095

City/State Collected: Morton, WA

Please Circle: PT MT CT ET

Phone: **206-325-5254**

Client Project #
30063832

Lab Project #
CHEVARCWA-302095

Collected by (print):
Christina Mroz

Site/Facility ID #
MAIN AVE, MORTON, WA

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Immediately
Packed on Ice N ___ Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 8260D 40mlAmb-HCl	NWTPHDX no silica 40mlAmb-HCl-BT	NWTPHGX 40mlAmb HCl
mw-7-w-20230110	Grab	GW	—	1/10/23	1317	8	X	X	X
mw-13-w-20230110		GW	—		1346	8	X	X	X
mw-15-w-20230110		GW	—		1248	8	X	X	X
mw-16-w-20230110		GW	—		1216	8	X	X	X
mw-17-w-20230110		GW	—		1141	8	X	X	X
BD-w-20230110		GW	—		1200	8	X	X	X
TB-w-20230110		GW	—		0800	2	X		X
		GW							

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG #

Table #

Acctnum: **CHEVARCWA**
Template: **T212924**
Prelogin: **P938053**
PM: **110 - Brian Ford**
PB:

Shipped Via:

Remarks | Sample # (lab only)

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK

WELLHEAD INSPECTION FORM

Client: Arcadis Site: 149 & 167 Main St., Morton, WA Date: 01/10/22

Job #: 230110-CM1 Technician: CM Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency: 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-7				X											
MW-11	—	—	—	—	—	—	unable to locate	—	—	—	—	—	—	—	—
MW-12	—	—	—	—	—	—	unable to locate	—	—	—	—	—	—	—	—
MW-13				X	2/3										
MW-15				X	1/3										
MW-16				X	2/3										
MW-17				X											

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 149 + 167 main st Morton WA				PROJECT NUMBER 230110-cm1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI-556	02[redacted]0203	1/10/23 0647	PH 4 7 10	3.98 7.04 10.11	✓	20.1	CM
			orp 237.5 DO 100 cond 3900	238.7 99.6 3909	✓	20.1	CM

CHEVRON-WASHINGTON/OREGON TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF WASHINGTON AND OREGON. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN KENT, WASHINGTON FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

302095 (CHEVRON #) — Carl Donovan (Chevron Project Manager)

149 & 167 (Street number) — main St (street name) — Morton (city) — WA (state)

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-7	1		
MW-13	1		
MW-15	1		
MW-16	1		
MW-17	1		

added equip. rinse water / 0.25

any other adjustments / -545 cm

TOTAL GALS. RECOVERED 5.25

loaded onto BTS vehicle # 90

BTS event # 230110-cm1 time 1545 date 1/10/23

signature

Blaine Tech Services, Inc.

Permit To Work

for Chevron EMC Sites

Client: Arcadis Date 1/10/23

Site Address: 149 + 167 main St Morton WA

Job Number: 230110-CM1 Technician(s): CM + DO

Pre-Job Safety Review

1. JMP reviewed, site restrictions and parking/access issues addressed. Reviewed: ☒

2. Special Permit Required Task Review

Are there any conditions or tasks that would require:	**Yes**	**No**
Confined space entry	☐	☒
Working at height	☐	☒
Lock-out/Tag-out	☐	☒
Excavations greater than 4 feet deep	☐	☒
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	☐	☒
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	☐	☒
Hot work	☐	☒

If "Yes" was the answer to any of the Special Permit Required Tasks above, the Project Manager will contact the client and arrange to modify the Scope of Work so that the Special Permit Required Tasks are not required to be performed by Blaine Tech Services employees.

	Yes	**No**
3. Is a Traffic Control Permit required for today's work?	☐	☒
If so is it in the folder?	☐	☐
Is it current?	☐	☐
Do you understand the Traffic Control Plan and what equipment you will need?	☐	☐

On site Pre-Job Safety Review

1. Reviewed and signed the site specific HASP.	☒
2. Route to hospital understood.	☒
3. Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP.	☒
4. Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.	☒
5. Understands procedure to follow, if site circumstances change, to address new site hazards.	☒
6. There are no unexpected conditions which would make your task a Special Permit Required Task. If there is, contact your Project Manager.	☒
7. All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.	☒
8. After lunch tailgate safety meeting refresher conducted.	☒

If Checklist Task cannot be completed, explain:

Permit To Work Authority: Christhamroz (Name) Field Tech (Title) 1/10/23 (Date) 0643 (Time)

ATTACHMENT C

Laboratory Report and Chain-of-Custody Documentation

ANALYTICAL REPORT

January 18, 2023

Arcadis - Chevron - WA

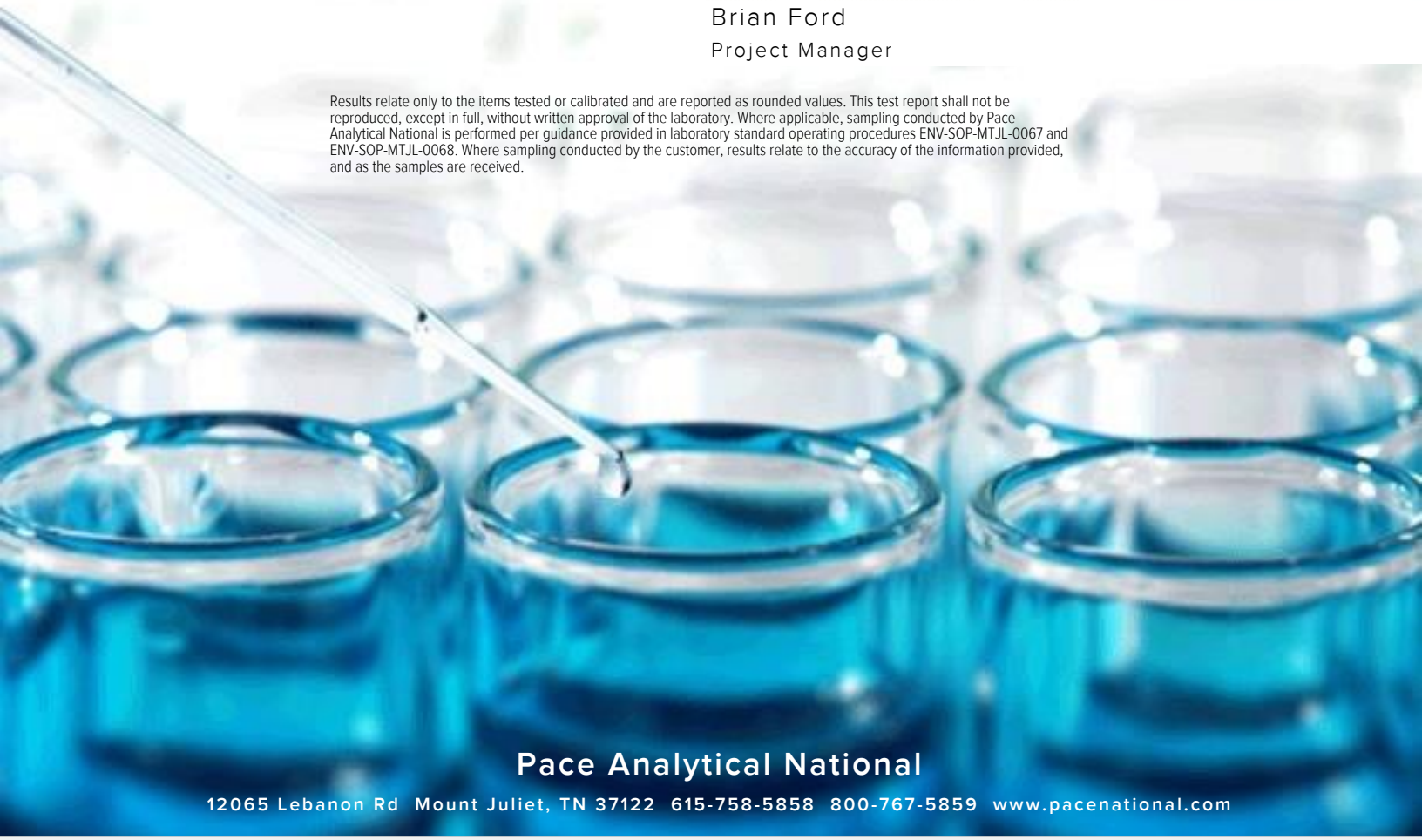
Sample Delivery Group:	L1575345
Samples Received:	01/12/2023
Project Number:	30063832
Description:	302095
Site:	MAIN AVE, MORTON, WA 98356
Report To:	Sydney Clark 1100 Olive Way Suite 800 Seattle, WA 98101

Entire Report Reviewed By:

Brian Ford

Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

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

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MW-7-W-20230110 L1575345-01 GW

Collected by: Christina Mroz | Collected date/time: 01/10/23 13:17 | Received date/time: 01/12/23 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1988388	1	01/13/23 18:02	01/13/23 18:02	JTO	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1988309	1	01/13/23 16:01	01/13/23 16:01	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1987965	1	01/13/23 07:57	01/14/23 00:56	MWS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1989513	1	01/13/23 08:00	01/17/23 15:52	MAA	Mt. Juliet, TN

MW-13-W-20230110 L1575345-02 GW

Collected by: Christina Mroz | Collected date/time: 01/10/23 13:46 | Received date/time: 01/12/23 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1988388	1	01/13/23 18:24	01/13/23 18:24	JTO	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1988309	1	01/13/23 16:22	01/13/23 16:22	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1988496	1	01/16/23 13:45	01/16/23 23:02	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1988498	1	01/16/23 13:59	01/16/23 23:02	DMG	Mt. Juliet, TN

MW-15-W-20230110 L1575345-03 GW

Collected by: Christina Mroz | Collected date/time: 01/10/23 12:48 | Received date/time: 01/12/23 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1988388	1	01/13/23 18:46	01/13/23 18:46	JTO	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1988309	1	01/13/23 16:42	01/13/23 16:42	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1988496	1	01/16/23 13:45	01/16/23 23:22	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1988498	1	01/16/23 13:59	01/16/23 23:22	DMG	Mt. Juliet, TN

MW-16-W-20230110 L1575345-04 GW

Collected by: Christina Mroz | Collected date/time: 01/10/23 12:16 | Received date/time: 01/12/23 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1988388	1	01/13/23 19:08	01/13/23 19:08	JTO	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1988309	1	01/13/23 17:03	01/13/23 17:03	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1988496	1	01/16/23 13:45	01/16/23 23:42	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1988498	1	01/16/23 13:59	01/17/23 10:28	DMG	Mt. Juliet, TN

MW-17-W-20230110 L1575345-05 GW

Collected by: Christina Mroz | Collected date/time: 01/10/23 11:41 | Received date/time: 01/12/23 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1988388	1	01/13/23 19:30	01/13/23 19:30	JTO	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1988309	1	01/13/23 17:24	01/13/23 17:24	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1988496	1	01/16/23 13:45	01/17/23 00:03	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1988498	1	01/16/23 13:59	01/17/23 10:52	DMG	Mt. Juliet, TN

BD-W-20230110 L1575345-06 GW

Collected by: Christina Mroz | Collected date/time: 01/10/23 12:00 | Received date/time: 01/12/23 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1988388	1	01/13/23 19:52	01/13/23 19:52	JTO	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1988309	1	01/13/23 17:44	01/13/23 17:44	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1988496	1	01/16/23 13:45	01/17/23 00:23	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG1988498	1	01/16/23 13:59	01/17/23 11:15	DMG	Mt. Juliet, TN

SAMPLE SUMMARY

TB-W-20230110 L1575345-07 GW

Collected by: Christina Mroz
Collected date/time: 01/10/23 08:00
Received date/time: 01/12/23 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1988388	1	01/13/23 15:29	01/13/23 15:29	JTO	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1988309	1	01/13/23 12:57	01/13/23 12:57	ADM	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.

Brian Ford
Project Manager

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	01/13/2023 18:02	WG1988388
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*01/13/2023 18:02*	WG1988388

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2023 16:01	WG1988309
Toluene	U		0.278	1.00	1	01/13/2023 16:01	WG1988309
Ethylbenzene	U		0.137	1.00	1	01/13/2023 16:01	WG1988309
Total Xylenes	U		0.174	3.00	1	01/13/2023 16:01	WG1988309
(S) Toluene-d8	*104*			*80.0-120*		*01/13/2023 16:01*	WG1988309
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*		*01/13/2023 16:01*	WG1988309
(S) 1,2-Dichloroethane-d4	*91.2*			*70.0-130*		*01/13/2023 16:01*	WG1988309

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	856		66.7	200	1	01/14/2023 00:56	WG1987965
Residual Range Organics (RRO)	418		83.3	250	1	01/14/2023 00:56	WG1987965
(S) o-Terphenyl	*97.4*			*52.0-156*		*01/14/2023 00:56*	WG1987965

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	U		66.7	200	1	01/17/2023 15:52	WG1989513
Residual Range Organics (RRO)	U		83.3	250	1	01/17/2023 15:52	WG1989513
(S) o-Terphenyl	*90.0*			*52.0-156*		*01/17/2023 15:52*	WG1989513

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	01/13/2023 18:24	WG1988388
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*01/13/2023 18:24*	WG1988388

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	01/13/2023 16:22	WG1988309
Toluene	U		0.278	1.00	1	01/13/2023 16:22	WG1988309
Ethylbenzene	U		0.137	1.00	1	01/13/2023 16:22	WG1988309
Total Xylenes	U		0.174	3.00	1	01/13/2023 16:22	WG1988309
(S) Toluene-d8	*101*			*80.0-120*		*01/13/2023 16:22*	WG1988309
(S) 4-Bromofluorobenzene	*93.0*			*77.0-126*		*01/13/2023 16:22*	WG1988309
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*		*01/13/2023 16:22*	WG1988309

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)	172	J	66.7	200	1	01/16/2023 23:02	WG1988496
Residual Range Organics (RRO)	130	J	83.3	250	1	01/16/2023 23:02	WG1988496
(S) o-Terphenyl	*88.5*			*52.0-156*		*01/16/2023 23:02*	WG1988496

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	172	J	66.7	200	1	01/16/2023 23:02	WG1988498
Residual Range Organics (RRO)	130	J	83.3	250	1	01/16/2023 23:02	WG1988498
(S) o-Terphenyl	*88.5*			*52.0-156*		*01/16/2023 23:02*	WG1988498

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	01/13/2023 18:46	WG1988388
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*01/13/2023 18:46*	WG1988388

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	01/13/2023 16:42	WG1988309
Toluene	U		0.278	1.00	1	01/13/2023 16:42	WG1988309
Ethylbenzene	U		0.137	1.00	1	01/13/2023 16:42	WG1988309
Total Xylenes	U		0.174	3.00	1	01/13/2023 16:42	WG1988309
(S) Toluene-d8	*103*			*80.0-120*		*01/13/2023 16:42*	WG1988309
(S) 4-Bromofluorobenzene	*92.0*			*77.0-126*		*01/13/2023 16:42*	WG1988309
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*		*01/13/2023 16:42*	WG1988309

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)	117	J	66.7	200	1	01/16/2023 23:22	WG1988496
Residual Range Organics (RRO)	162	J	83.3	250	1	01/16/2023 23:22	WG1988496
(S) o-Terphenyl	*85.0*			*52.0-156*		*01/16/2023 23:22*	WG1988496

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	117	J	66.7	200	1	01/16/2023 23:22	WG1988498
Residual Range Organics (RRO)	162	J	83.3	250	1	01/16/2023 23:22	WG1988498
(S) o-Terphenyl	*85.0*			*52.0-156*		*01/16/2023 23:22*	WG1988498

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	185	B	31.6	100	1	01/13/2023 19:08	WG1988388
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*		*01/13/2023 19:08*	WG1988388

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	0.106	J	0.0941	1.00	1	01/13/2023 17:03	WG1988309
Toluene	U		0.278	1.00	1	01/13/2023 17:03	WG1988309
Ethylbenzene	U		0.137	1.00	1	01/13/2023 17:03	WG1988309
Total Xylenes	U		0.174	3.00	1	01/13/2023 17:03	WG1988309
(S) Toluene-d8	*102*			*80.0-120*		*01/13/2023 17:03*	WG1988309
(S) 4-Bromofluorobenzene	*92.1*			*77.0-126*		*01/13/2023 17:03*	WG1988309
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*01/13/2023 17:03*	WG1988309

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)	720		66.7	200	1	01/16/2023 23:42	WG1988496
Residual Range Organics (RRO)	237	J	83.3	250	1	01/16/2023 23:42	WG1988496
(S) o-Terphenyl	*87.5*			*52.0-156*		*01/16/2023 23:42*	WG1988496

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	143	J	66.7	200	1	01/17/2023 10:28	WG1988498
Residual Range Organics (RRO)	U		83.3	250	1	01/17/2023 10:28	WG1988498
(S) o-Terphenyl	*81.5*			*52.0-156*		*01/17/2023 10:28*	WG1988498

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	01/13/2023 19:30	WG1988388
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*01/13/2023 19:30*	WG1988388

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	01/13/2023 17:24	WG1988309
Toluene	U		0.278	1.00	1	01/13/2023 17:24	WG1988309
Ethylbenzene	U		0.137	1.00	1	01/13/2023 17:24	WG1988309
Total Xylenes	U		0.174	3.00	1	01/13/2023 17:24	WG1988309
(S) Toluene-d8	*104*			*80.0-120*		*01/13/2023 17:24*	WG1988309
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*		*01/13/2023 17:24*	WG1988309
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*01/13/2023 17:24*	WG1988309

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)	333		66.7	200	1	01/17/2023 00:03	WG1988496
Residual Range Organics (RRO)	220	J	83.3	250	1	01/17/2023 00:03	WG1988496
(S) o-Terphenyl	*94.0*			*52.0-156*		*01/17/2023 00:03*	WG1988496

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-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	01/17/2023 10:52	WG1988498
Residual Range Organics (RRO)	U		83.3	250	1	01/17/2023 10:52	WG1988498
(S) o-Terphenyl	*82.0*			*52.0-156*		*01/17/2023 10:52*	WG1988498

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	01/13/2023 19:52	WG1988388
(S) a,a,a-Trifluorotoluene(FID)	*110*			*78.0-120*		*01/13/2023 19:52*	WG1988388

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	01/13/2023 17:44	WG1988309
Toluene	U		0.278	1.00	1	01/13/2023 17:44	WG1988309
Ethylbenzene	U		0.137	1.00	1	01/13/2023 17:44	WG1988309
Total Xylenes	U		0.174	3.00	1	01/13/2023 17:44	WG1988309
(S) Toluene-d8	*103*			*80.0-120*		*01/13/2023 17:44*	WG1988309
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*01/13/2023 17:44*	WG1988309
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*01/13/2023 17:44*	WG1988309

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	320		66.7	200	1	01/17/2023 00:23	WG1988496
Residual Range Organics (RRO)	202	J	83.3	250	1	01/17/2023 00:23	WG1988496
(S) o-Terphenyl	*87.5*			*52.0-156*		*01/17/2023 00:23*	WG1988496

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	U		66.7	200	1	01/17/2023 11:15	WG1988498
Residual Range Organics (RRO)	U		83.3	250	1	01/17/2023 11:15	WG1988498
(S) o-Terphenyl	*85.0*			*52.0-156*		*01/17/2023 11:15*	WG1988498

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	01/13/2023 15:29	WG1988388
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*01/13/2023 15:29*	WG1988388

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	01/13/2023 12:57	WG1988309
Toluene	U		0.278	1.00	1	01/13/2023 12:57	WG1988309
Ethylbenzene	U		0.137	1.00	1	01/13/2023 12:57	WG1988309
Total Xylenes	U		0.174	3.00	1	01/13/2023 12:57	WG1988309
(S) Toluene-d8	*103*			*80.0-120*		*01/13/2023 12:57*	WG1988309
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*		*01/13/2023 12:57*	WG1988309
(S) 1,2-Dichloroethane-d4	*92.6*			*70.0-130*		*01/13/2023 12:57*	WG1988309

Method Blank (MB)

(MB) R3881419-2 01/13/23 12:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	65.8	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3881419-1 01/13/23 11:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5870	107	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

Method Blank (MB)

(MB) R3880881-2 01/13/23 12:16

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	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3880881-1 01/13/23 11:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.56	111	70.0-123	
Toluene	5.00	5.75	115	79.0-120	
Ethylbenzene	5.00	5.85	117	79.0-123	
Xylenes, Total	15.0	17.3	115	79.0-123	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*98.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*93.8*	*70.0-130*	

Method Blank (MB)

(MB) R3881035-1 01/13/23 19:34

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	*92.1*			*52.0-156*

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

(LCS) R3881035-2 01/13/23 19:57 • (LCSD) R3881035-3 01/13/23 20:20

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	1430	1520	100	106	50.0-150			6.10	20
(S) o-Terphenyl				*114*	*118*	*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) R3881547-1 01/16/23 19:12

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	*94.0*			*52.0-156*

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

(LCS) R3881547-2 01/16/23 19:32 • (LCSD) R3881547-3 01/16/23 19:53

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)	1500	1650	1740	110	116	50.0-150			5.31	20
(S) o-Terphenyl				*75.0*	*75.5*	*52.0-156*				

Method Blank (MB)

(MB) R3881548-1 01/16/23 20:13

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	*79.5*			*52.0-156*

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

(LCS) R3881548-2 01/16/23 20:33 • (LCSD) R3881548-3 01/16/23 20:53

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)	1500	1370	1410	91.3	94.0	50.0-150			2.88	20
(S) o-Terphenyl				*80.0*	*79.5*	*52.0-156*				

Method Blank (MB)

(MB) R3881872-1 01/17/23 14:51

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	*86.5*			*52.0-156*

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

(LCS) R3881872-2 01/17/23 15:11 • (LCSD) R3881872-3 01/17/23 15:31

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	1290	1480	86.0	98.7	50.0-150			13.7	20
(S) o-Terphenyl				*82.0*	*90.5*	*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.

ACCREDITATIONS & LOCATIONS

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	LAO000356
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.

Company Name/Address:
Arcadis - Chevron - WA

1100 Olive Way
Suite 800
Seattle. WA 98101

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Report to:
Sydney Clark

Email To:
sydney.clark@arcadis.com;Steve.Mahony@arca

Project Description:
302095

City/State Collected: Morton, WA

Please Circle: PT MT CT ET

Phone: 206-325-5254

Client Project #
30063832

Lab Project #
CHEVARCWA-302095

Collected by (print):
Christina Mroz

Site/Facility ID #
MAIN AVE, MORTON, WA

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 8260D 40mlAmb-HCl	NWTPHDX no silica 40mlAmb-HCl-BT	NWTPHGX 40mlAmb HCl	Remarks	Sample # (lab only)
MW-7-W-20230110	Grab	GW	–	1/10/23	1317	8	X	X	X		-01
MW-13-W-20230110		GW	–		1346	8	X	X	X		-02
MW-15-W-20230110		GW	–		1248	8	X	X	X		-03
MW-16-W-20230110		GW	–		1216	8	X	X	X		-04
MW-17-W-20230110		GW	–		1141	8	X	X	X		-05
BD-W-20230110		GW	–		1200	8	X	X	X		-06
TB-W-20230110		GW	–		0800	2	X		X		-07
		GW									

add DX with SGT per request of Sydney Clark-bjf 01/13/23.

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1575345
D179

Acctnum: CHEVARCWA
Template: T212924
Prelogin: P938053
PM: 110 - Brian Ford
PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: Y __N
Preservation Correct/Checked: Y __N
RAD Screen <0.5 mR/hr: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCl / MeoH TBR)	If preservation required by Login: Date/Time
	1/11/23	1200	Shipped via Fed Ex 2		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: GBA2 °C 2.6+0=2.6 Bottles Received: 48	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 1/12/23 Time: 840	Hold: / Condition: NCF / OK