



ARM Group LLC

Engineers and Scientists

November 12, 2025

Mr. Shane Rozelle, Geologist
Oil Control Program
Maryland Department of the Environment
1800 Washington Boulevard, Suite 620
Baltimore, MD 21230

Re: Site Monitoring Status Report
MDE Case No. 2013-0321-AA
SMO Fort Meade Shell, SMO-1550
2631 Annapolis Road, Hanover, MD 21076
ARM Project No. 000190292.00

Dear Mr. Rozelle,

This submittal has been prepared to provide your Department with an update on the groundwater monitoring and remediation efforts at the above site, and new data and information collected through mid-November 2025. The monitoring wells were most recently sampled October 16, 2025, and are gauged at least twice to assess for the presence and thickness of non-aqueous phase liquid (NAPL or petroleum product), and if detected it is manually removed via hand bailing. Previously, several chlorinated VOCs (112-TCA, 1122-PCE and PCE) and solvent-like compounds (Acetone, MEK and MIBK) were detected in MW9, MW16 and MW17. These compounds were not detected per the October 2025 sampling event. It is likely that the chlorinated VOCs are from offsite sources. The Acetone, MEK and MIBK may be degradation products of MTBE, Ethanol and 2-Butanol.

GROUNDWATER OCCURRENCE

Groundwater is measured in two different zones: a perched zone composed of laterally-discontinuous and seasonally (precipitation)-dependent water-bearing layers and a deeper (more regional) groundwater zone.

- Perched zone:
 - MW1, MW4, MW12 and MW16, and former MW7 and MW11.
 - Average depth to water = 27 feet below ground surface (bgs).
 - Smear zone = 3.5 feet thick (average).
- Deep zone:
 - MW2 (typically dry), MW9, MW14, MW15, MW17 and MW18, and former MW8 and MW10.
 - Average depth to water = 35 feet bgs.
 - Smear zone = 7 feet thick (average).

Groundwater levels reached record lows in February 2025 with shallow and deep zone water levels at about 28.5 feet bgs and 37 feet bgs, respectively. Groundwater levels recharged into August 2025, and have since been declining. MW14 and MW17 are screened across both of the shallow and deep zones. Liquid levels in MW14 and MW17 are dependent on recharge from the shallow zone as well as influx from the deep zone. During periods of low precipitation, which can significantly limit shallow (perched) zone recharge, groundwater levels in these wells tend to decline quickly and over several feet. Similar conditions occurred in MW8 and MW10, and to a lesser extent in MW15. Groundwater elevations in MW14 and MW17 have fluctuated (smear zone) between 8 feet (MW17) and 12 feet (MW14).

PRECISE. RESPONSIVE. SOLUTIONS.

9175 Guilford Road, Suite 310, Columbia, MD 21046

NAPL OCCURRENCE

NAPL has been detected in MW7, MW9, MW14, MW15 and MW17, and is currently observed in MW14 and MW15.

MW7, which contained up to nearly 3 feet of NAPL (January 2014), has been NAPL-free since April 2014. Subsequent quarterly sampling in 2019-2022 showed it contained less than 100 µg/L Total VOC, and similarly low BTEX and methyl tert-butyl ether (MTBE). MW7 was abandoned during the fourth quarter 2022 UST Closure and Replacement.

MW9 contained up to 0.13 feet of NAPL (November 2013), but has been NAPL-free since April 2017. For the past year, MW9 has contained an average Total VOC concentration of about 46 µg/L with consistently low Benzene (averaging less than 2 µg/L), MTBE (averaging less than 2 µg/L) and tert-butyl alcohol (TBA, averaging less than 40 µg/L) concentrations.

MW17 contained up to 0.88 feet of NAPL (December 2023), and averaged 0.02 feet of NAPL between June and December 2024. No detectable NAPL has been encountered in MW17 since January 2025, when groundwater elevations were approximately 2 feet lower than current conditions. Current groundwater levels in MW17 are 7 feet higher than those encountered when NAPL was thickest in late-2023. During the past year, VOC concentrations averaged 360 µg/L (not including an average of 335 µg/L Trimethylbenzenes, TMBs), Benzene averaged 10 µg/L, Total BTEX averaged 130 µg/L with low to no MTBE concentrations, and Naphthalene averaged 68 µg/L.

MW14 and MW15 both continue to contain NAPL with an average of 0.06 and 0.14 since late-August 2025, respectively.

SUPPLY WELL TESTING

Per MDE direction, the supply well is to be sampled annually. The well water supply was sampled and tested in April 2025 for VOCs. The sample was collected after 10 minutes of open flow from the bathroom sink faucet and exterior garden hose spigot. A sample was then collected from the interior bathroom sink faucet. Testing showed the sample did not contain detectable VOC concentrations. The supply well is constructed to 465 feet bgs, with a reported depth to groundwater of 205 feet bgs (42 feet elevation), compared to the monitoring wells with groundwater elevations of approximately 214 feet elevation (over 170 feet higher in elevation than the groundwater in the supply well). The supply well is screened in a separate aquifer than the monitoring wells.

OXYGENATE CONCENTRATIONS

Groundwater samples are analyzed for oxygenates including tert-amyl methyl ether (TAME), TBA, Diethyl ethyl (Ethyl Ether), Di-isopropyl ether (DIPE), Ethyl-tert-butyl ether (ETBE), MTBE, Ethanol (on occasion), as well as 135-TMB and 124-TMB. A summary of oxygenate testing results is presented in **Appendix E**. None of the shallow (perched) zone wells contained fuel oxygenates during the past year. Deep zone wells with fuel oxygenates during the past year include:

Fuel Oxygenate Concentrations During Past Year						
Well	TAME	TBA	MTBE	135-TMB	124-TMB	
Average Concentrations in µg/L						
MW9	38	<1	1.3	<1	<1	
MW15	4	27	2	425	1410	
MW17	<1	18	<0.3	43	292	
MW18	1.5	65	3.4	<1	<1	



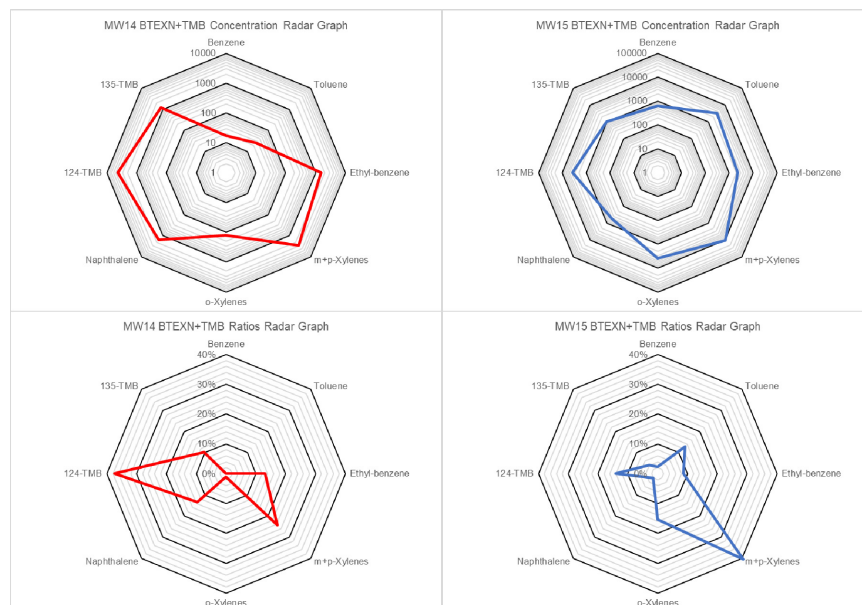
STATISTICAL REVIEW OF VOC CONCENTRATIONS

Historical reports have included time-series hydrographs and concentration vs. time graphs that provide a useful method for assessing concentration trends and simultaneous review of dependency on groundwater elevation fluctuations. Per MDE direction, Mann-Kendall (MK) analyses are performed to provide a quantitative and statistical confirmation of concentration trends. Copies of MK graphs and tables are included in **Appendix F**, and a summary of trends is presented below.

Mann-Kendall Statistics								
Well	VOC Concentrations				Benzene Concentrations			
	Coefficient of Variation	Mann-Kendall Statistic	Confidence Factor	Concentration Trend	Coefficient of Variation	Mann-Kendall Statistic	Confidence Factor	Concentration Trend
MW2	0.06	1	NA	NA	0.18	-1	NA	NA
MW4	0.34	11	55.0%	NO TREND	0.00	0	49.5%	STABLE
MW7	2.29	-56	88.6%	NO TREND	3.56	-26	69.7%	NO TREND
MW8	0.63	-98	97.3%	DECREASING	1.36	-15	60.8%	NO TREND
MW9	2.32	-384	>99.9%	DECREASING	1.78	-358	>99.9%	DECREASING
MW10	0.89	-33	74.8%	STABLE	0.95	-22	66.8%	STABLE
MW14	1.23	4	51.9%	NO TREND	1.39	-158	99.5%	DECREASING
MW15 (06/2014 to Present)	1.03	28	66.8%	NO TREND	0.78	-33	69.7%	STABLE
MW15 (12/2019 to Present)	1.08	-15	75.2%	NO TREND	0.60	-21	83.6%	STABLE
MW16	4.48	107	89.9%	NO TREND	0.58	-34	65.5%	STABLE
MW17	0.60	4	75.8%	NO TREND	0.67	-8	95.8%	DECREASING
MW18	1.05	-8	76.2%	NO TREND	1.25	-30	100.0%	DECREASING
Well with NAPL								

REVIEW OF SEVEN RISK FACTORS

- See the discussion above concerning NAPL occurrence. At this time, only MW14 and MW15 contain detectable NAPL with 0.75 inch and 1.75 inches of NAPL, on average since late-August 2025. Groundwater elevations have been declining rapidly in most wells since August 25 (MW17 with a net increase in elevations). The rate of groundwater elevation decline may be sufficiently high that previously manifested NAPL is becoming entrapped in soil pores above the static groundwater level(s), and will continue to decrease through the winter. The BTEXN+TMB concentrations in MW14 and MW15 (when the wells did not contain NAPL) indicate two different NAPL product sources as typified by the radar graphs below that graphically depict the different chemical composition of the two products.



2. The Site is served by a private supply well and several other formerly-used supply wells are located on or adjacent to the subject property (i.e., formerly-used supply wells on the Ridgeview Plaza property, and nearby Exxon facility on the north side of Annapolis Road). The two Ridgeview wells were constructed to 466 and 485 feet bgs, respectively. The groundwater elevation in the Ridgeview wells is estimated to be approximately 41 feet, over 170 feet deeper than the groundwater elevations of site monitoring wells. The Exxon well is reported to be constructed to 145 feet depth with groundwater at approximately 60 feet depth (190 feet elevation). These three wells are screened within much deeper aquifers than the site monitoring wells. As described above, the site's supply well is reported to be constructed to 465 feet depth, screened from 440 to 465 feet bgs and groundwater at 205 feet bgs (42 feet elevation). Regular testing of water samples collected from the station's supply well system since December 2012. No VOCs have been detected in supply well samples since April 2021.

Groundwater samples collected from shallow zone wells MW1, MW4, MW12, and MW16 contain low or non-detectable VOC concentrations. MW2 is rarely sampled because of the lack of groundwater in the well (constructed above the groundwater surface). Groundwater samples collected from the deeper zone wells (former MW8 and MW10, MW9, MW14, MW15, MW17 and MW18) consistently contained/contain detectable VOCs. The petroleum plume impacting the deeper zone does not appear to be migrating, but rather is stable, if not shrinking (or decreasing) with some fluctuations in response to rising and falling groundwater elevations.

3. There are no known subsurface utilities approaching the depth of the shallowest groundwater at the site. PID concentrations averaging 400 ppm-v PID-VOC were observed in soil samples collected 10 and 22 feet below ground surface (bgs) during the installation of MW8, MW9, MW17 and MW18, all in close distance to/from the tankfield. There has not been any reports of vapor intrusion within the convenience store since monitoring began nearly 13 years ago. Item 2 above addresses an additional identified potential exposure to local private supply wells.
4. There are no known or identified potentially, environmentally-sensitive ecological conditions at risk for impact from the current site and groundwater quality conditions. The nearby drainage feature along the east side of the site is coincident with the depth of shallow (perched) groundwater at the site. The shallow groundwater contains low to non-detectable VOC concentrations.
5. There are no known utilities that extend to depths where soils and groundwater are impacted.
6. No other sensitive receptors have been identified.

REMEDIAL EFFORTS

Vacuum truck enhanced fluid recovery (EFR) events were conducted fifteen times between October 2013 and December 2014. Three additional EFR events were conducted in mid-2016, two EFR events were conducted in early and mid-2017 in response to NAPL and/or elevated concentrations in MW9 and MW15, and three EFR events were conducted in late-2017 and early-2018. An additional EFR event was performed on MW14 in May 2022 to address the NAPL observed during the April 2022 gauging event.

Approximately 14910-gallons of impacted groundwater and NAPL have been removed to date. The average extraction rate during the 2017-18 events was about 625 gallons of total fluids per event. An estimated 317 gallons of NAPL have been removed by EFR with an additional 40 gallons removed by hand bailing for a total of about 357 gallons of NAPL removed to date. These values are slightly lower than previously reported, after critical review of the recovery database developed over the years.

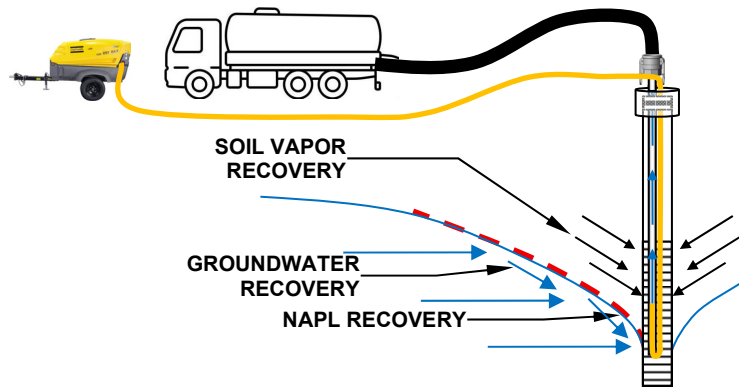
Appendix G includes a petroleum recovery database and time-series recovery graph.

The current depths to groundwater in the two "NAPL" wells (MW14 and MW15) and MW17 are 34, 36.5 and 31.5 feet bgs, respectively (averaging 34 feet bgs). Vacuum truck EFR is typically effective with liquid levels less than 28 feet below grade. Vacuum-assisted, air-entrainment methods can be effective to about 30 feet below grade (e.g., using a perforated stinger pipe to allow air-entrainment beyond what vacuum/suction



lift can provide). Consequently, current depths to groundwater are more than what typical vacuum truck EFR can be effective. Other applicable product recovery methods include vacuum-assisted total-fluids pumping (permanent system or temporary trailer unit), automated/depth-adjusting product-only skimmer pumps, and/or continued gauging and bailing. Unfortunately, the three wells are located either within the entrance/exit ramp to the facility or in the drive lane through the dispenser islands.

As pictured in the schematic below, an option for vacuum truck EFR is to use a custom-fabricated air inductor, in which air-lifting and vacuum extraction methods are conducted on the same liquid removal hose. An air-tight well seal is used, through which a 1.25"-diameter PVC hose is inserted to the bottom of the well. A 1/4"-diameter compressed air hose is tethered to the PVC hose and the down-well end of the air hose is looped into and up the bottom opening of the PVC hose. The other end of the PVC hose is equipped with a 2"-diameter camlock that is connected to a vacuum truck inlet via conventional 2" vacuum hose, and the air hose is connected into a tow-behind air compressor. When compressed air is applied to the air hose, an air-lift pump is created with the compressed air and well liquids ejecting from the well via the PVC hose. The vacuum truck is used to effect a vacuum on the emptied well. The PVC hose can be raised and lowered to facilitate NAPL recovery under vacuum.



The next quarterly sampling event will be scheduled for January 2026. If you have any questions concerning this submittal, please contact us below, dhamilton@armgroup.net, or Cell (443)255-1633.

Sincerely,

Douglas O. Hamilton
Director of Geology

Abram Z. Jeremenko
Staff Geologist

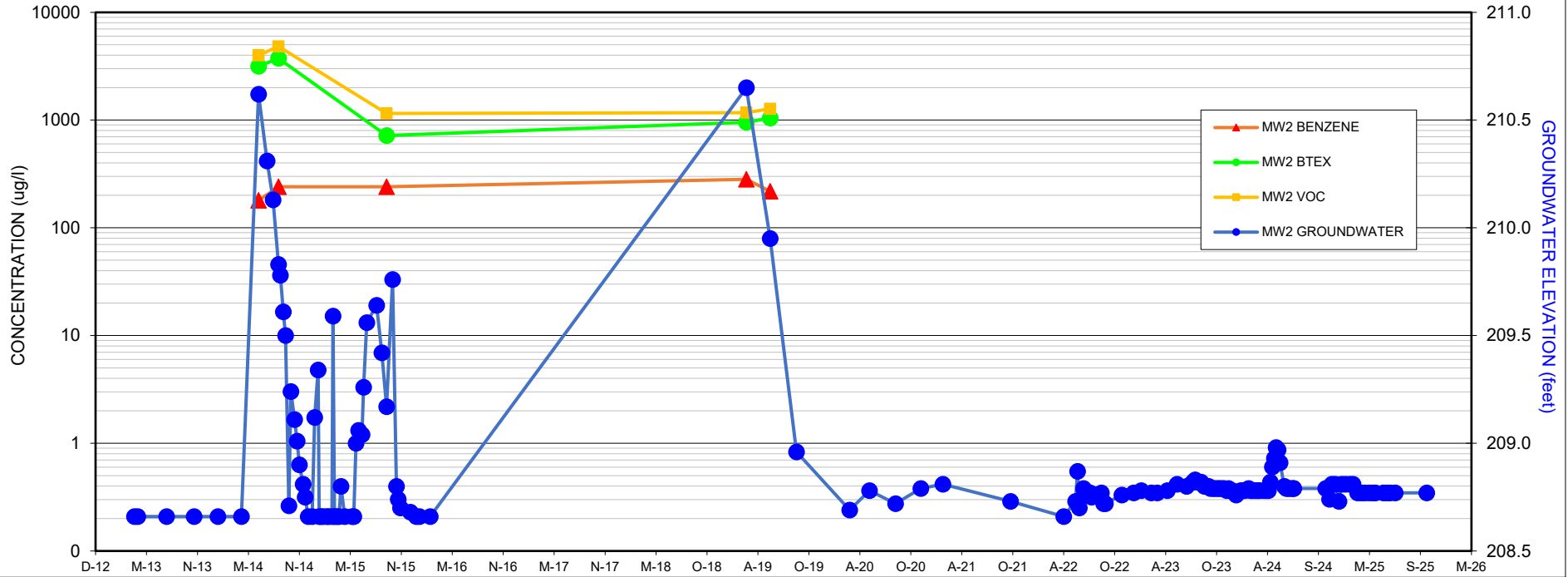
cc. Matt Jolly, Southern Maryland Oil c/o The Wills Group, 102 Centennial Street, LaPlata, MD 20646
Robin Wedding, Southern Maryland Oil c/o The Wills Group, 102 Centennial Street, LaPlata, MD 20646



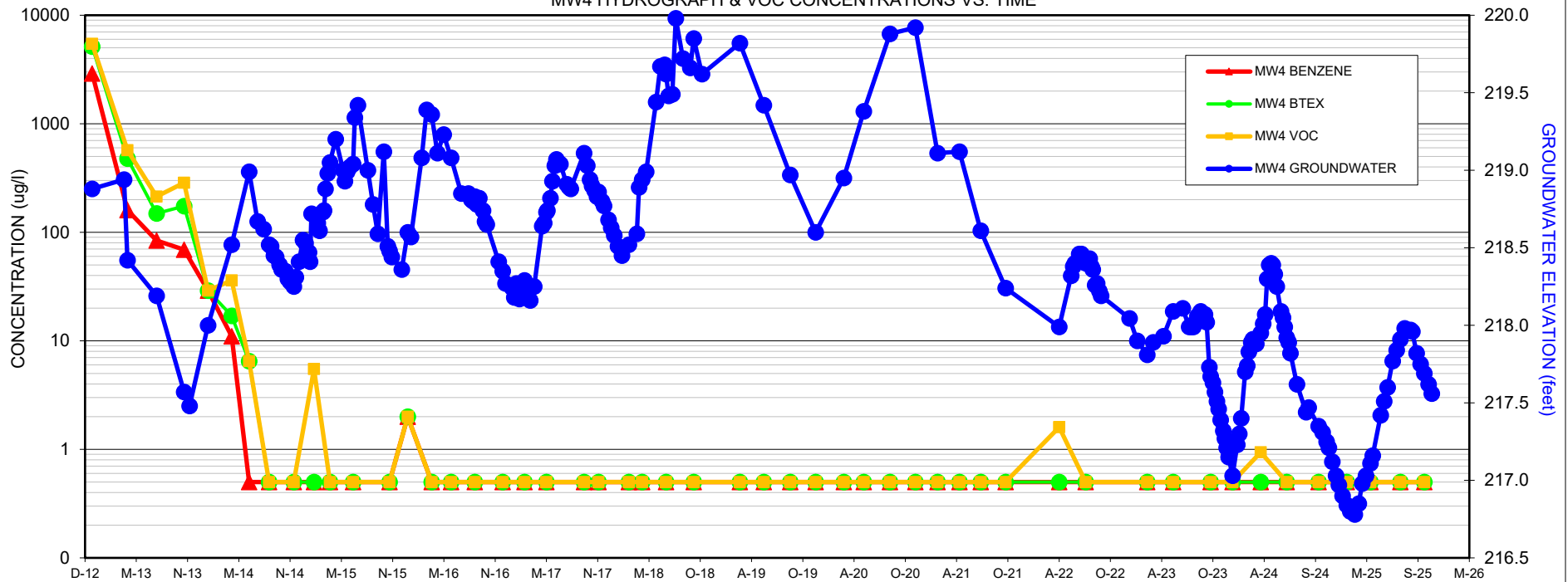
APPENDIX A
TIME-SERIES GRAPHS

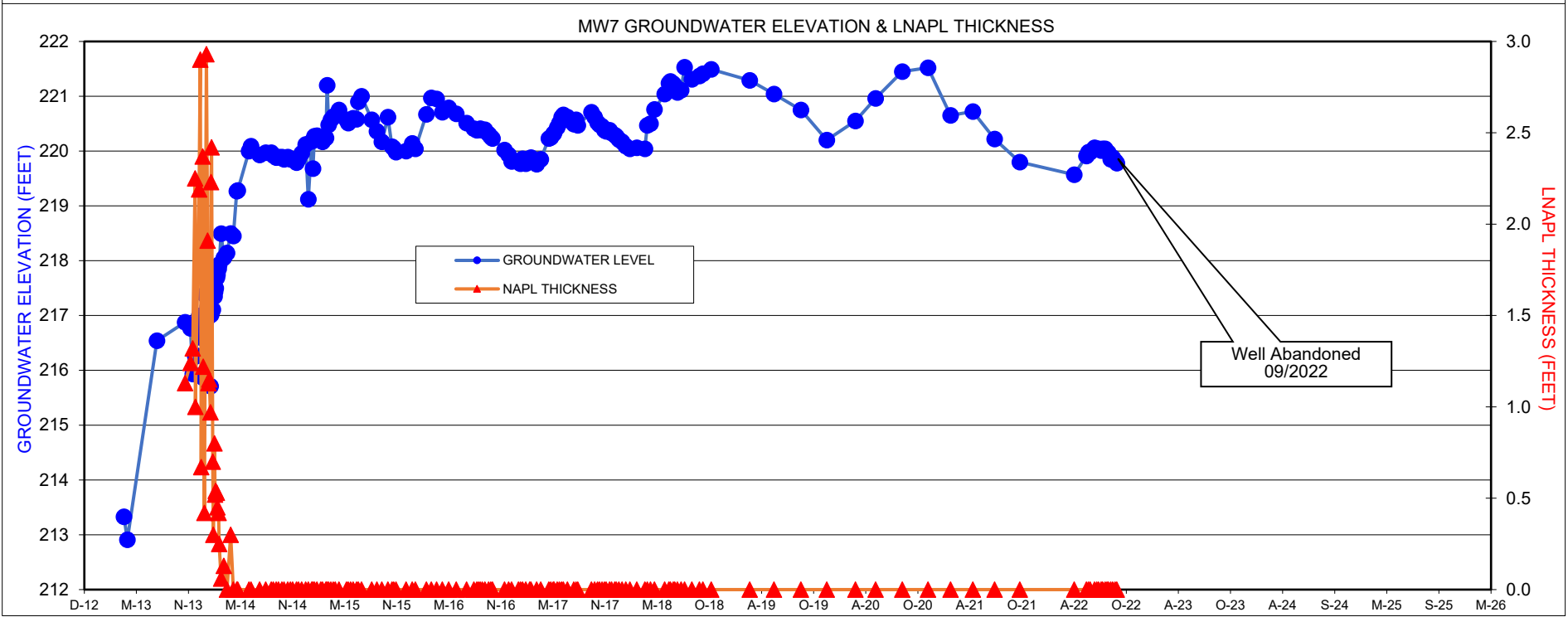
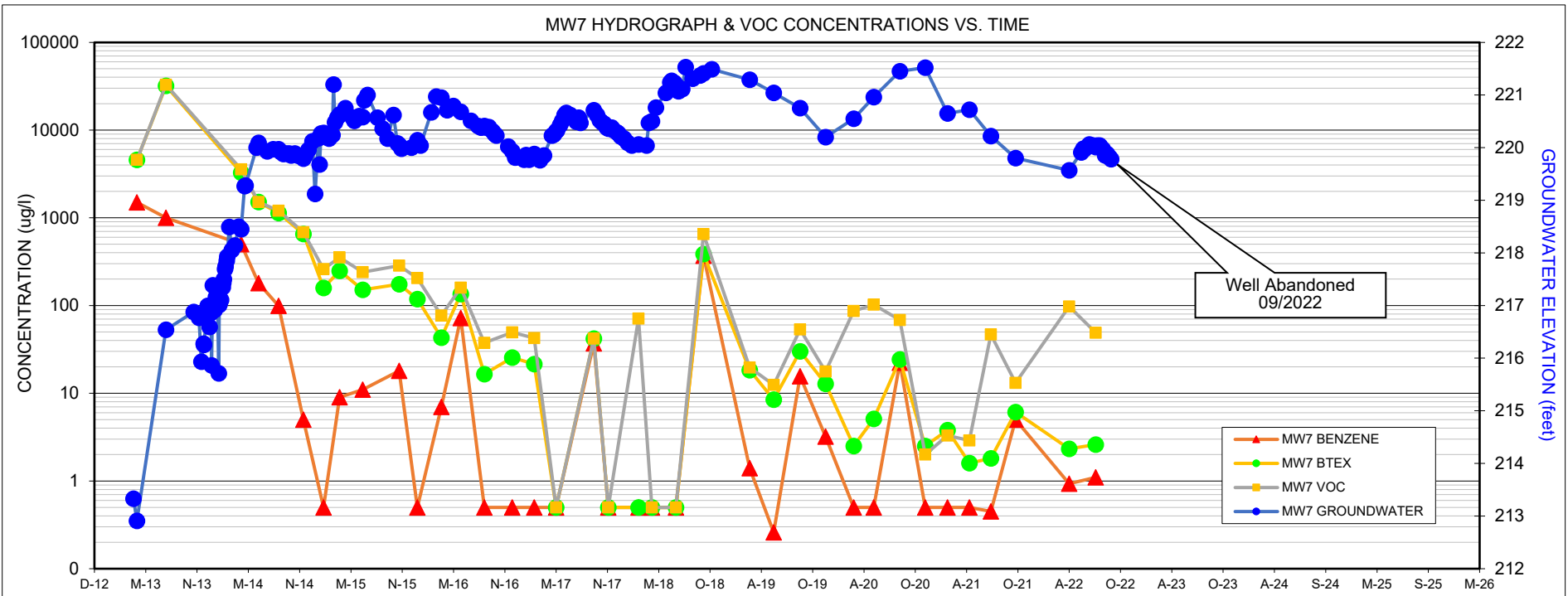


MW2 HYDROGRAPH & VOC CONCENTRATIONS VS. TIME

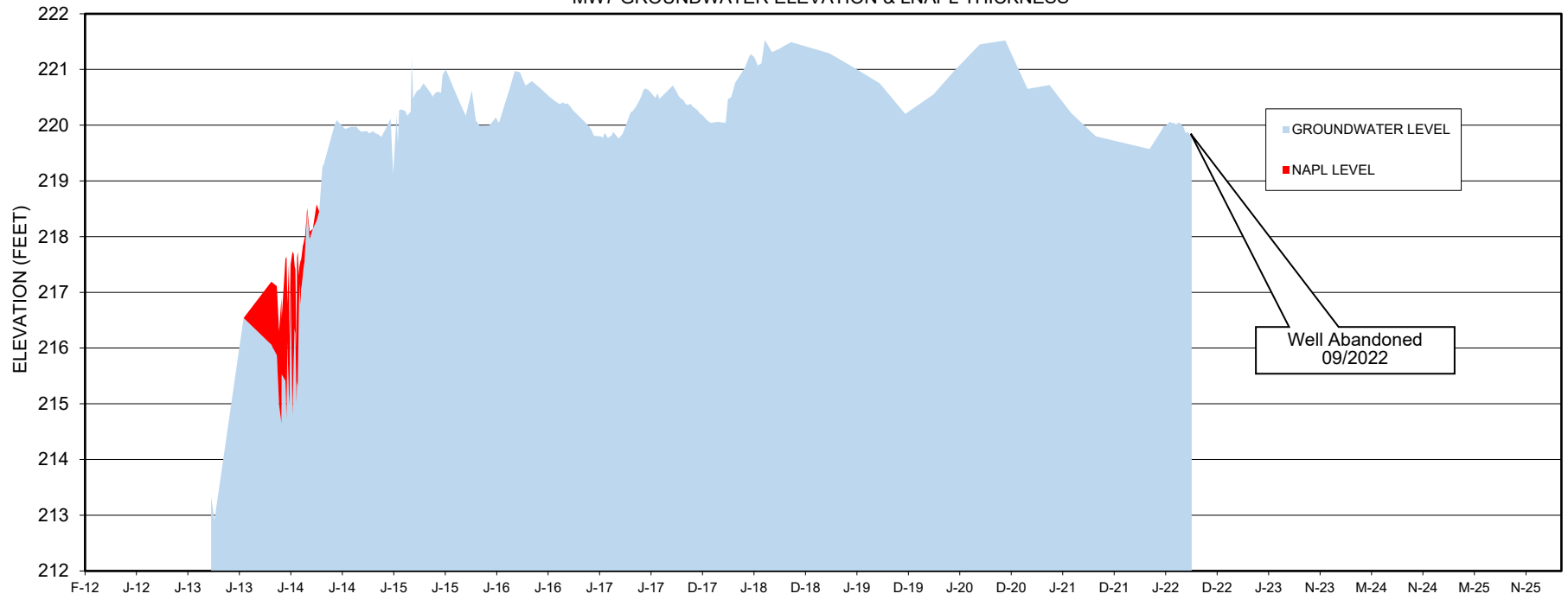


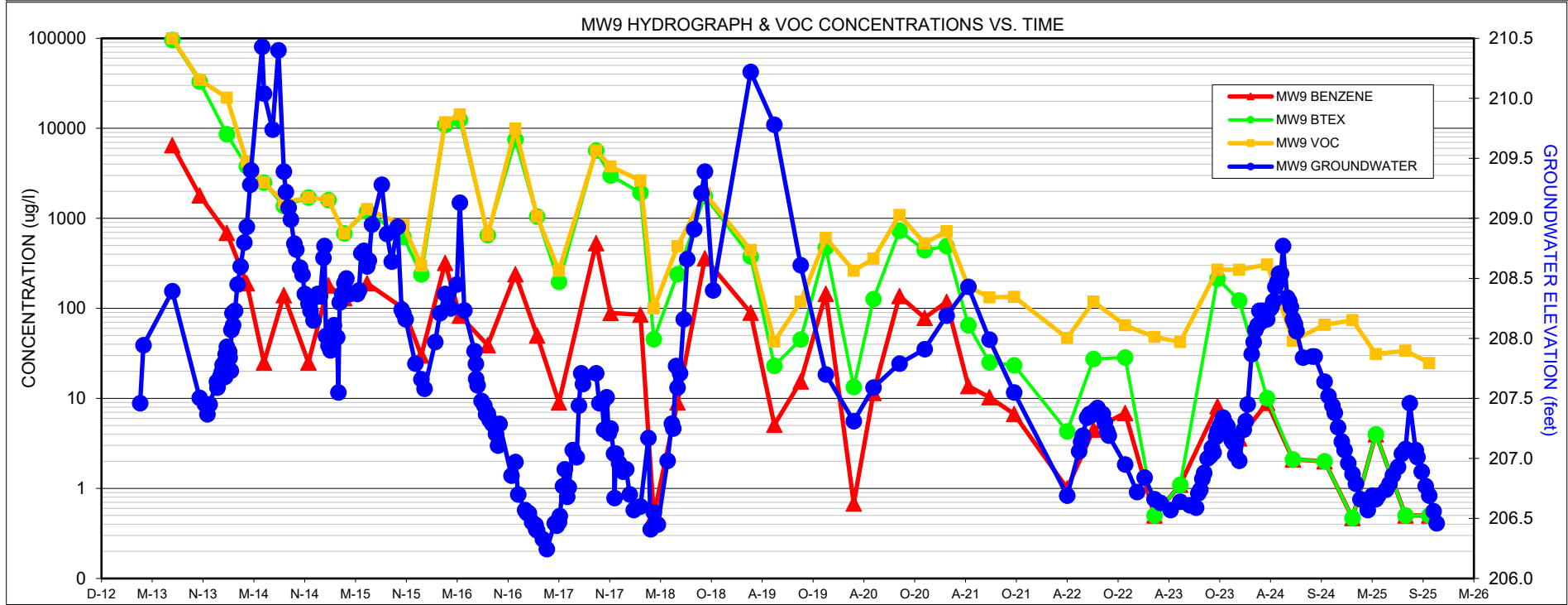
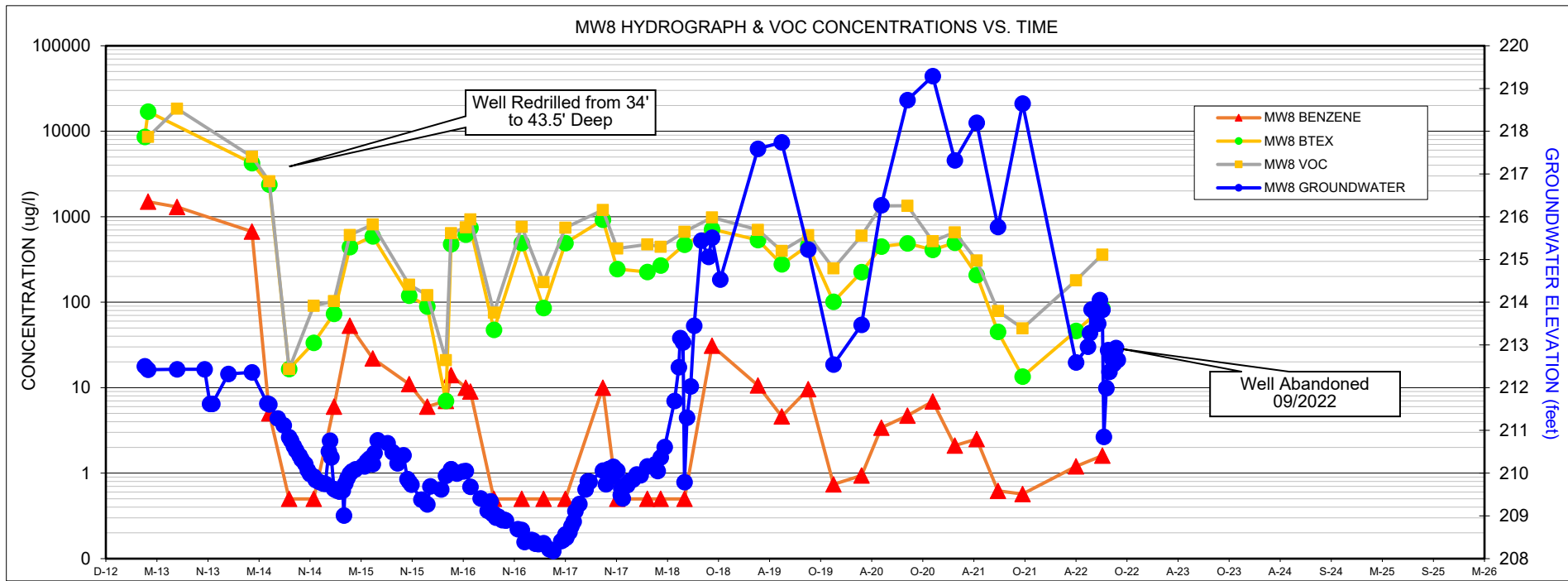
MW4 HYDROGRAPH & VOC CONCENTRATIONS VS. TIME



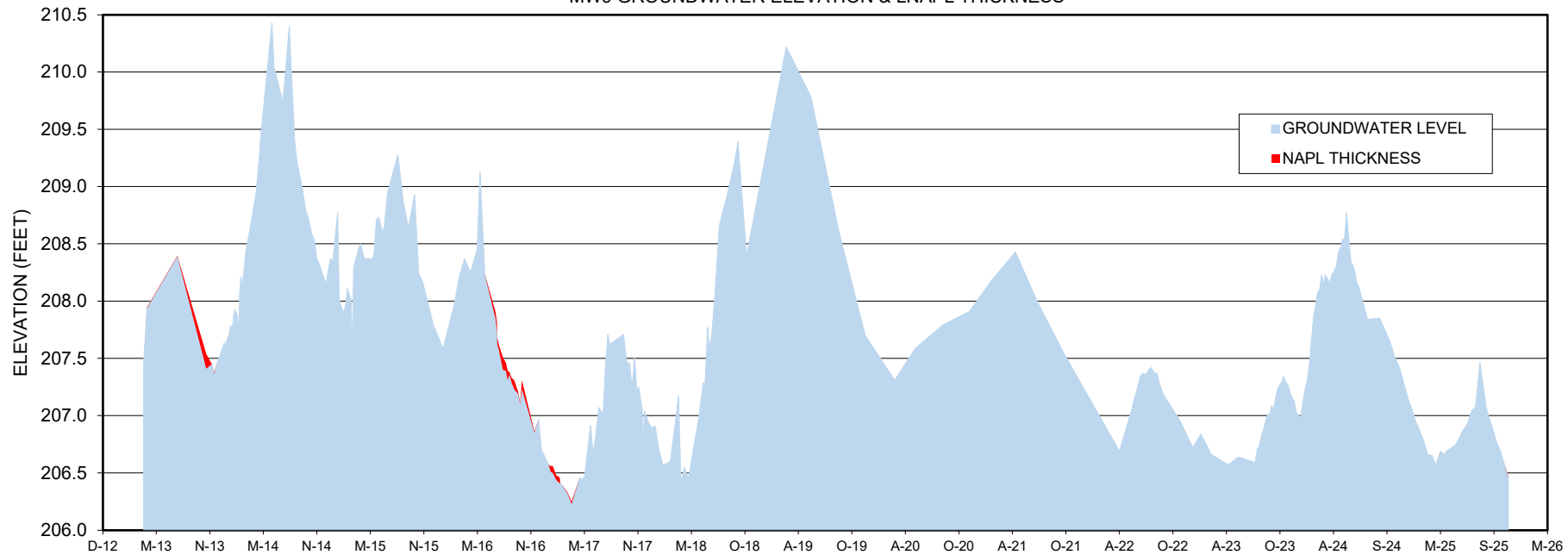


MW7 GROUNDWATER ELEVATION & LNAPL THICKNESS

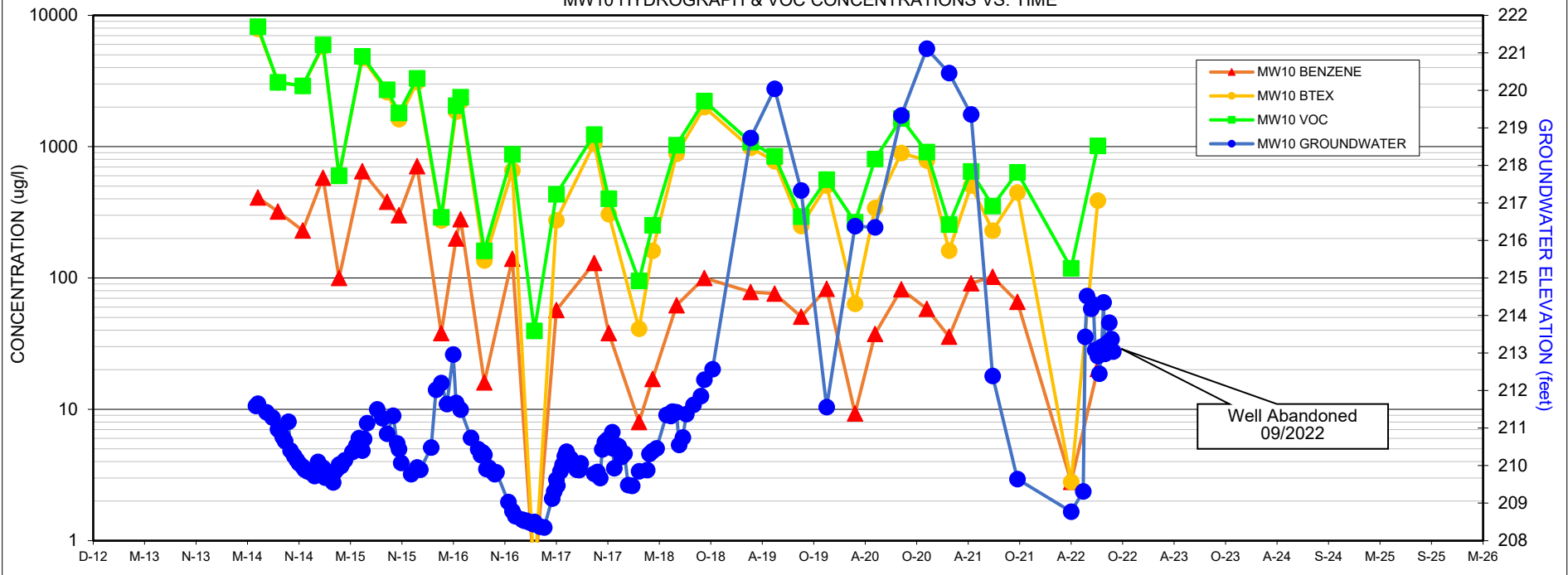


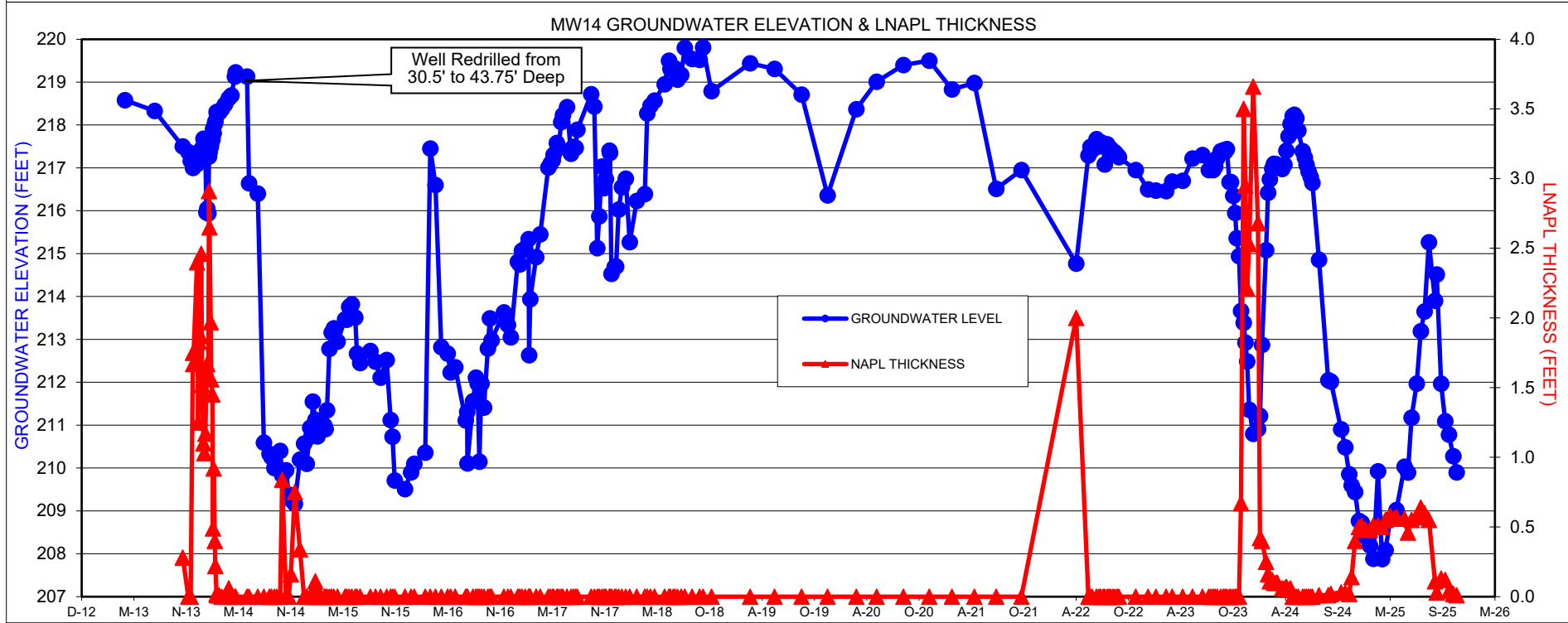
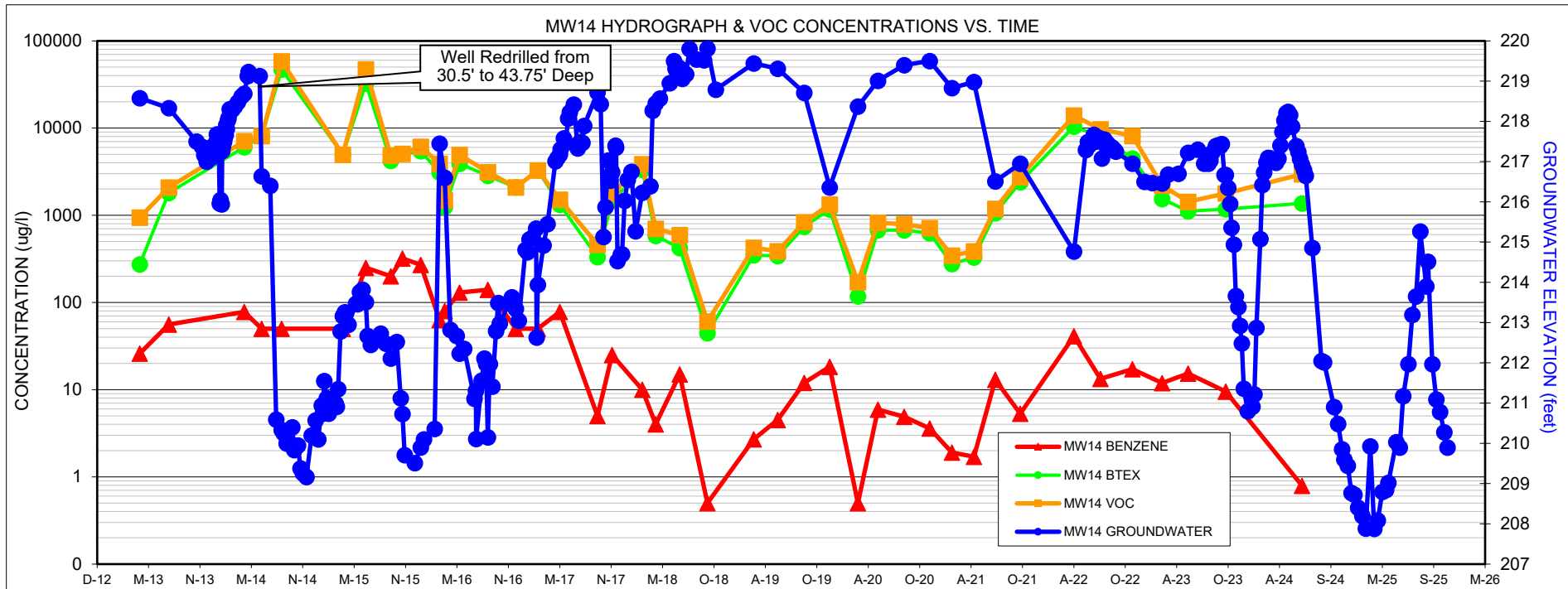


MW9 GROUNDWATER ELEVATION & LNAPL THICKNESS

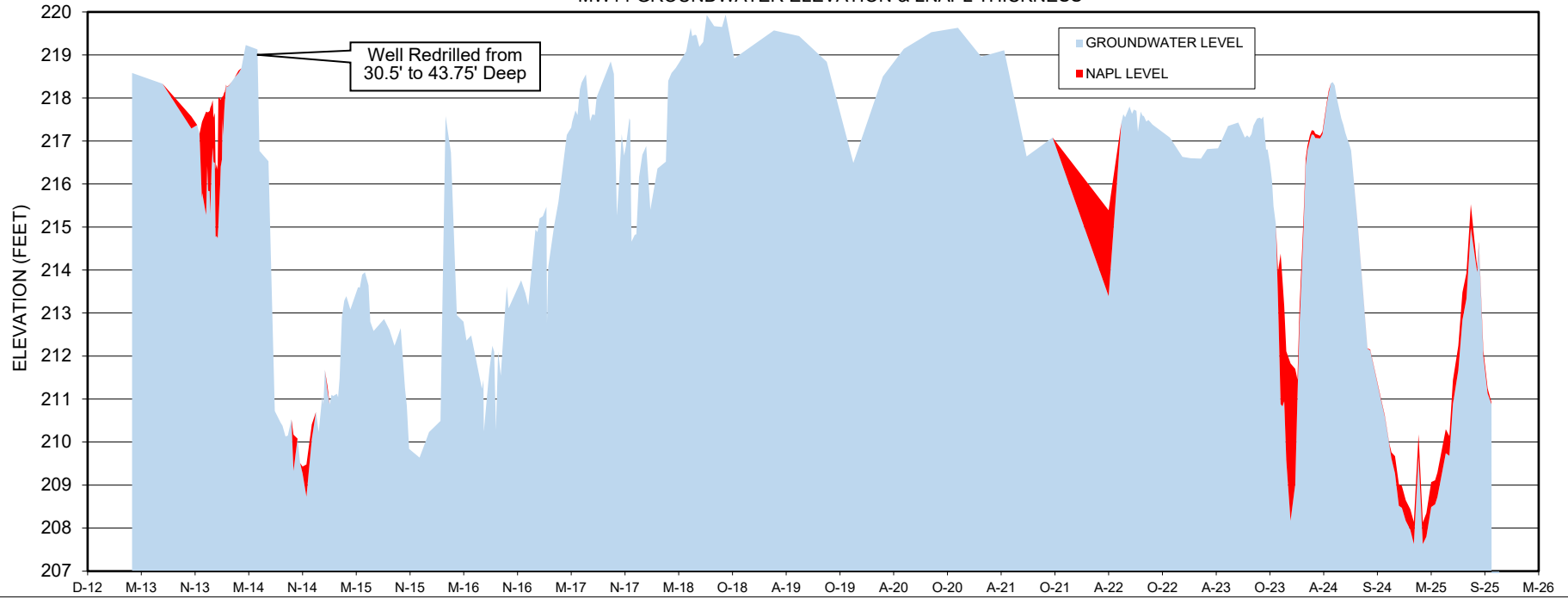


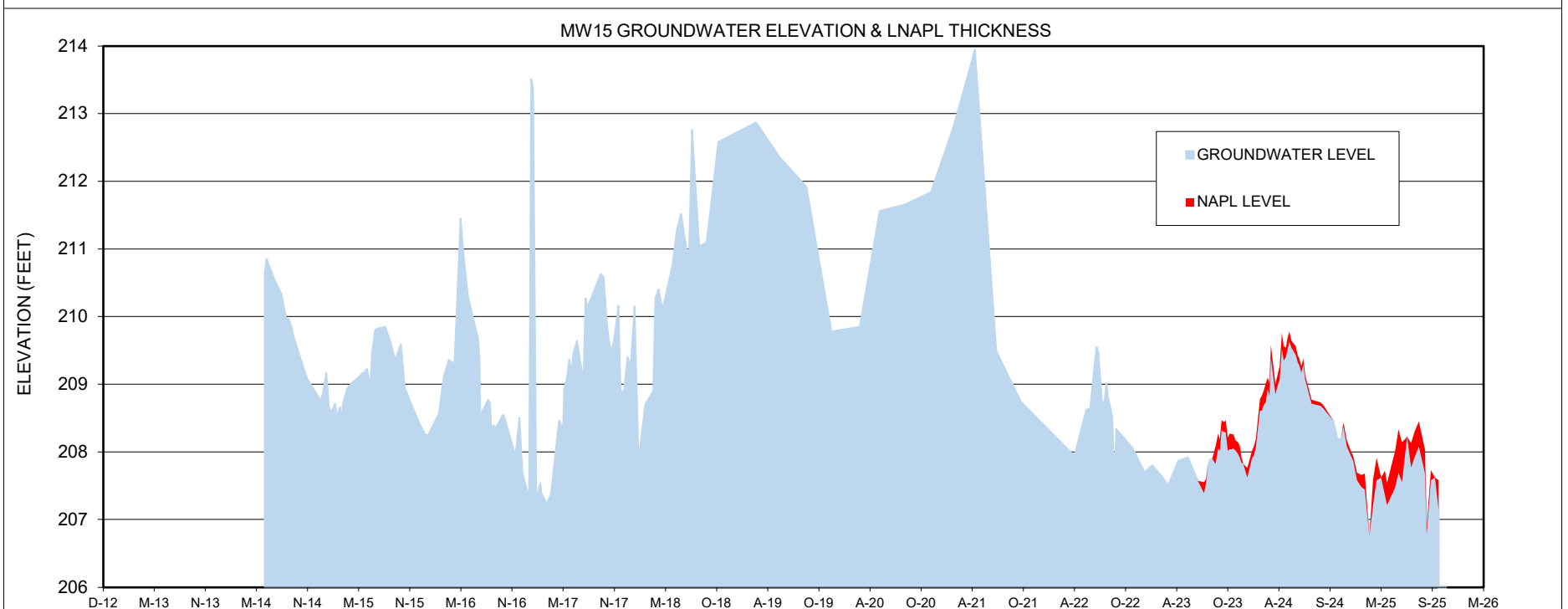
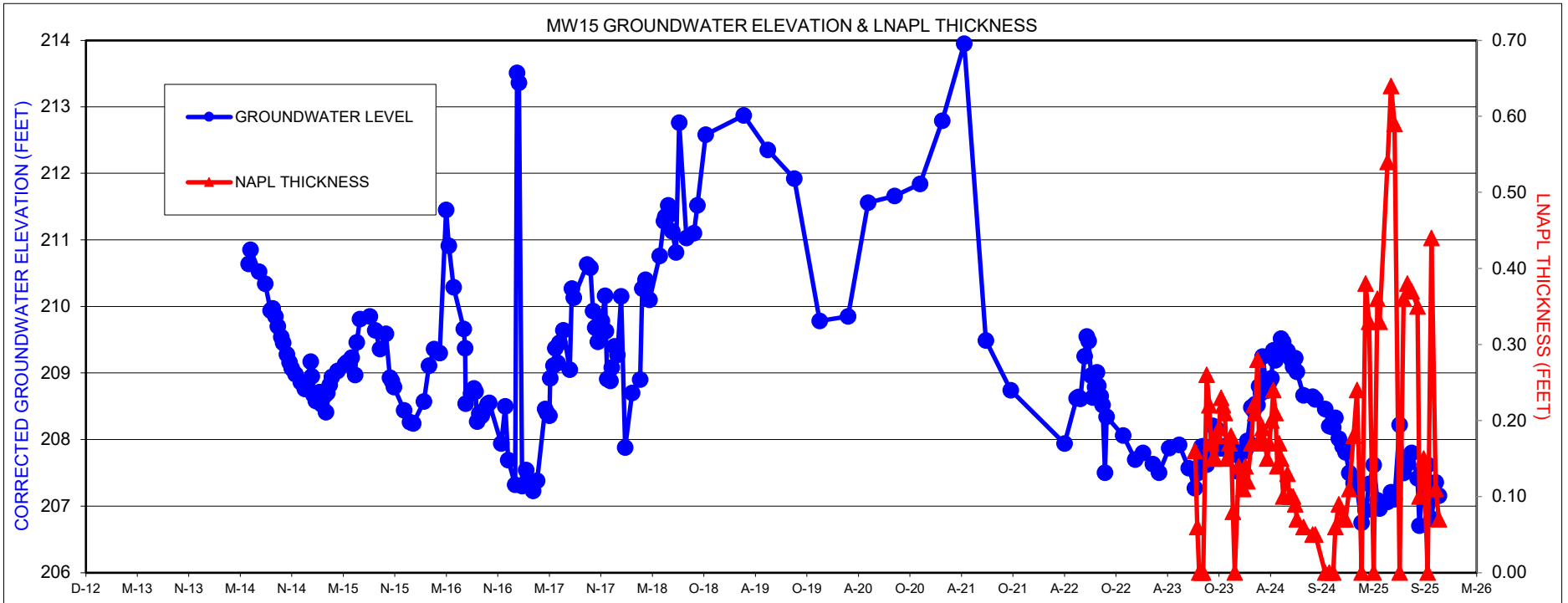
MW10 HYDROGRAPH & VOC CONCENTRATIONS VS. TIME

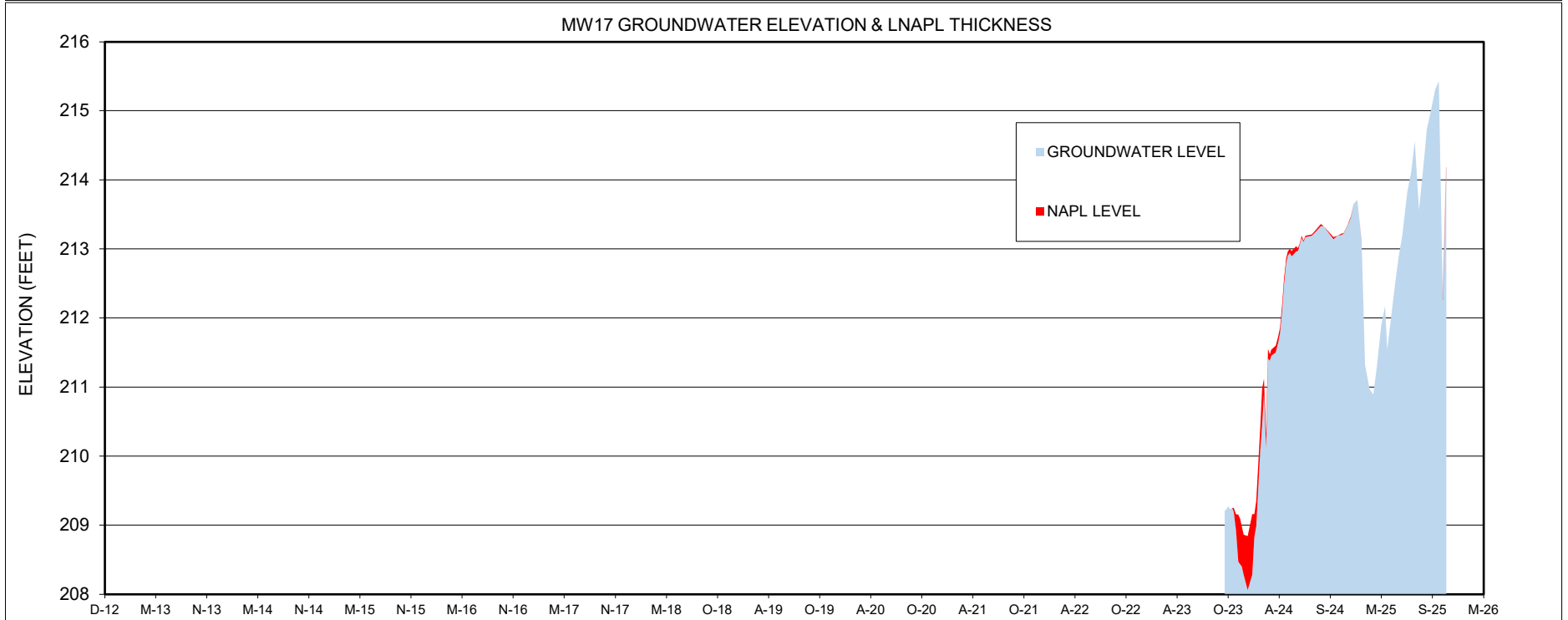
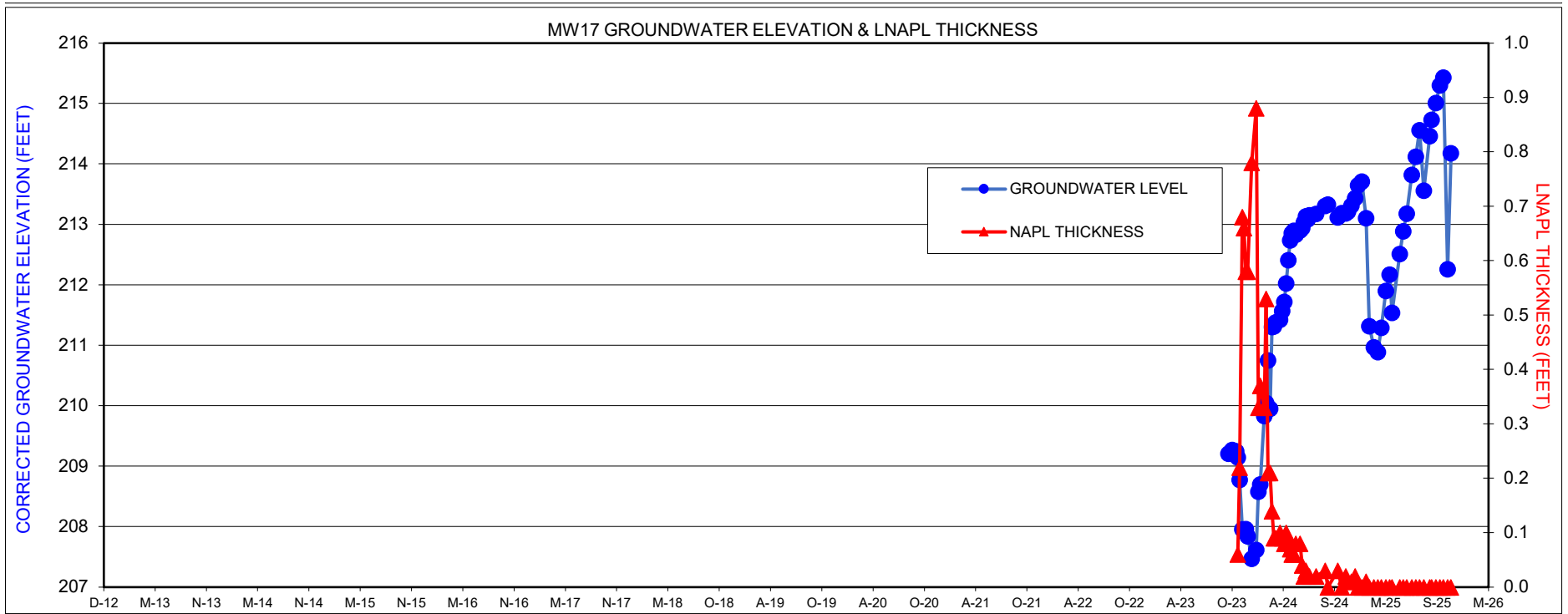




MW14 GROUNDWATER ELEVATION & LNAPL THICKNESS







APPENDIX B

GROUNDWATER GAUGING AND SAMPLING DATABASE



Well	Date	Well Elev.	Well Depth	Depth to LNAPL	Depth to Water	LNAPL	Gallons Removed	Cumulative Removed	Corrected Water Elevation	Micrograms Per Liter (µg/l)										GRO (C6-10)	DRO (C10-28)		
										Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylenes	MTBE	Cyclohexane	Methylcyclopentane	Cumene	Naphthalene			VOC	
	12/26/12				Clear	25.95			219.05	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	0.35	
	04/17/13				Clear	26.11			218.89	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	04/29/13				Clear	26.30			218.70	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.19	
	08/09/13				Clear	26.38			218.62	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	11/14/13				Clear	26.38			218.62	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	12/03/13				Clear	26.32			218.68	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	02/06/14				Clear	26.21			218.79	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	04/30/14				Clear	25.55			219.15	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	2.30	<0.25	
	05/30/14				Clear	25.94			218.16	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	07/30/14				Clear	26.34			218.66	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	08/20/14				Clear	26.43			218.57	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	09/09/14				Clear	26.48			218.52	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	09/15/14				Clear	26.57			218.43	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	09/25/14				Clear	26.16			218.84	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	10/03/14				Clear	26.33			218.68	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	10/15/14				Clear	26.58			218.42	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	10/22/14				Clear	26.25			218.75	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	11/04/14				Clear	26.73			218.25	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	11/13/14				Clear	26.78			218.22	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	11/21/14				Clear	26.79			218.21	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.21	
	12/04/14				Clear	26.77			218.23	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	12/11/14				Clear	26.75			218.25	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	12/22/14				Clear	25.81			219.39	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	01/05/15				Clear	26.47			218.53	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	01/14/15				Clear	26.31			218.69	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	01/26/15				Clear	26.14			218.86	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	01/30/15				Clear	26.38			218.62	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	02/04/15				Clear	26.34			218.66	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	02/13/15				Clear	26.38			218.72	<1	<1	<1	14.0	5.0	<5	<5	<5	17.0	36.0	0.73	0.38		
	02/26/15				Clear	26.28			218.72	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	03/04/15				Clear	26.19			218.81	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	03/16/15				Clear	26.14			218.86	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	03/20/15				Clear	26.71			218.29	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	03/25/15				Clear	26.55			218.45	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	04/02/15				Clear	25.94			219.06	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	04/10/15				Clear	25.87			219.13	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	0.27	0.36	
	04/30/15				Clear	25.81			219.19	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	05/26/15				Clear	25.96			219.04	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	06/01/15				Clear	25.95			219.05	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	06/09/15				Clear	25.94			219.06	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	06/18/15				Clear	25.94			219.06	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	06/30/15				Clear	25.94			219.11	<1	<1	<1	13.0	<5	<5	<5	8.0	<5	10.0	31.0	0.26	0.81	
	07/06/15				Clear	25.71			219.29	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	07/17/15				Clear	25.51			219.49	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	08/21/15				Clear	25.94			219.06	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	09/08/15				Clear	26.20			218.80	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	09/25/15				Clear	26.30			218.70	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	10/16/15				Clear	25.92			219.08	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	10/30/15				Clear	26.25			218.73	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	11/05/15				Clear	26.35			218.65	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	11/13/15				Clear	26.50			218.50	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	12/18/15				Clear	26.46			218.54	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	01/08/16				Clear	26.69			218.31	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	01/19/16				Clear	26.71			218.29	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	02/26/16				Clear	26.80			218.20	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	03/14/16				Clear	25.47			219.53	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	04/01/16				Clear	25.58			219.42	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	04/21/16				Clear	25.53			219.17	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	05/13/16				Clear	25.78			219.22	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	06/08/16				Clear	25.97			219.03	<1	<1	<1	37.0	130.0	30.0	<5	<5	6.0	15.0	80.0	298.0	6.00	4.00
	07/14/16				Clear	26.05			218.95	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	08/03/16				Clear	26.77			218.73	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	08/18/16				Clear	26.11			218.89	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	08/24/16				Clear	26.23			218.77	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	08/30/16				Clear	26.38			218.72	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	09/06/16				Clear	26.35			218.65	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	09/15/16				Clear	26.32			218.68	<1	<1	<1	<2	<1	<1	<5	<5	<1	<10	0.0	<0.2	<0.22	
	09/29/16				Clear	26.15																	

Well	Date	Well Elev.	Well Depth	Depth to LNAPL	Depth to Water	LNAPL	Gallons Removed	Cumulative Removed	Corrected Water Elevation	Micrograms Per Liter (µg/l)															
										Benzene	Toluene	Ethyl-benzene	m,p-Xylenes	o-Xylenes	MTBE	Cyclohexane	Methyl-cyclohexane	Cumene	Naphthalene	VOC	GRO (CG-10)	DRO (C10-28)			
Feet (ft)										Micrograms Per Liter (µg/l)															
				na	Dry				na																
TF3	04/17/13	245.84	12.96	Clear	26.34				218.88	2900.0	300.0	690.0	1200.0	41.0	61.0	220.0	<100	35.0	<200	5447.0	9.90	0.28			
	12/26/12			Clear	26.34					218.88															
	04/17/13			Clear	26.28					218.94															
	04/29/13			Clear	26.80					218.82	160.0	110.0	62.0	120.0	26.0	<10	92.0	<50	<10	<100	570.0	3.10	0.37		
	08/09/13			Clear	27.03					218.19	84.0	9.0	25.0	31.0	<5	<5	35.0	29.0	<5	<50	213.0	1.90	<0.2		
	11/14/13			Clear	27.65					217.57	69.0	10.0	19.0	61.0	15.0	<1	52.0	33.0	5.0	22.0	286.0	2.80	0.55		
	12/03/13			Clear	27.74					217.45															
	02/06/14			Clear	27.22					218.50	28.0	<10	<10	<20	<10	<10	<50	<50	<10	<100	28.0	1.40	<0.22		
	04/30/14			Clear	26.70					218.52	11.0	<1	1.0	5.0	<1	<1	9.0	10.0	<1	<10	36.0	1.40	0.40		
	06/30/14			Clear	26.23					218.99	0.5	<1	<1	6.0	<1	<5	<5	<5	<5	<10	6.5	0.33	0.25		
	07/30/14			Clear	26.55					218.07															
	08/20/14			Clear	26.60					218.62															
	09/08/14			Clear	26.70					218.52	0.5	<1	<1	<5	<5	<5	<5	<5	<5	<10	0.5	0.28	0.23		
	09/15/14			Clear	26.71					218.51															
	09/25/14			Clear	26.77					218.45															
	10/03/14			Clear	26.78					218.44															
	10/15/14			Clear	26.53					218.39															
	10/22/14			Clear	26.86					218.86															
	11/04/14			Clear	26.87					218.35															
	11/13/14			Clear	26.92					218.30															
	11/21/14			Clear	26.94					218.29															
	12/04/14			Clear	26.97					218.25	0.5	<1	<1	<5	<5	<5	<5	<5	<5	<10	0.5	0.24	0.25		
	12/11/14			Clear	26.91					218.31															
	12/22/14			Clear	26.81					218.41															
	01/05/15			Clear	26.57					218.55															
	01/14/15			Clear	26.69					218.53															
	01/26/15			Clear	26.75					218.47															
	01/30/15			Clear	26.81					218.41															
	02/04/15			Clear	26.50					218.72															
	02/13/15			Clear	26.51					218.71	0.5	<1	<1	<5	<5	5.0	<5	<5	<5	<10	5.5	0.38	0.24		
	02/26/15			Clear	26.56					218.66															
	03/04/15			Clear	26.61					218.61															
	03/16/15			Clear	26.49					218.73															
	03/20/15			Clear	26.48					218.74															
	03/25/15			Clear	26.34					218.88															
	04/02/15			Clear	26.24					218.98															
	04/19/15			Clear	26.17					219.05	0.5	<1	<1	<5	<5	<5	<5	<5	<5	<10	0.5	<0.2	<0.22		
	04/30/15			Clear	26.02					219.00															
	05/26/15			Clear	26.22					219.00															
	06/01/15			Clear	26.29					218.93															
	06/09/15			Clear	26.23					218.99															
	06/18/15			Clear	26.20					219.02															
	06/30/15			Clear	26.18					219.04	0.5	<1	<1	<5	<5	<5	<5	<5	<5	<10	0.5	<0.2	<0.23		
	07/08/15			Clear	25.98					219.34															
	07/17/15			Clear	25.80					219.42															
08/21/15	Clear	26.22					219.00																		
09/08/15	Clear	26.44					218.78																		
09/23/15	Clear	26.53					218.69																		
10/16/15	Clear	26.10					219.12																		
10/30/15	Clear	26.71					218.51																		
11/05/15	Clear	26.74					218.48	0.5	<1	<1	<5	<5	<5	<5	<5	<5	<10	0.5	<0.2	<0.23					
11/13/15	Clear	26.78					218.44																		
12/18/15	Clear	26.86					218.36																		
01/09/16	Clear	26.82					218.60	2.0	<1	<1	<5	<5	<5	<5	<5	<5	<10	2.0	<0.2	0.30					
01/19/16	Clear	26.55					218.57																		
02/26/16	Clear	26.14					219.08																		
03/14/16	Clear	25.53					219.59																		
04/01/16	Clear	25.96					219.86	0.5	<1	<1	<5	<5	<5	<5	<5	<5	<10	0.5	0.42	0.51					
04/21/16	Clear	26.11					219.11																		
05/13/16	Clear	25.99					219.23																		
06/03/16	Clear	26.14					219.08	0.5	<1	<1	<5	<5	<5	<5	<5	<5	<10	0.5	0.22	0.37					
07/14/16	Clear	26.37					218.85																		
08/08/16	Clear	26.37					218.85																		
08/18/16	Clear	26.41					218.81																		
08/24/16	Clear	26.42					218.80																		
08/30/16	Clear	26.39					218.83	0.5	<1	<1	<5	<5	<5	<5	<5	<5	<10	0.5	<0.2	<0.22					
09/06/16	Clear	26.44					218.75																		
09/15/16	Clear	26.40					218.82																		
09/28/16	Clear	26.48					218.74																		
10/05/16	Clear	26.55					218.67																		
10/11/16	Clear	26.57					218.65																		
11/22/16	Clear	26.81					218.41																		
12/06/16	Clear	26.87					218.35	0.5	<1	<1	<5	<5	<5	<5	<5	<5	<10	0.5	<0.2	<0.2					
12/16/16	Clear	26.85					218.27																		
01/09/17	Clear	26.98					218																		

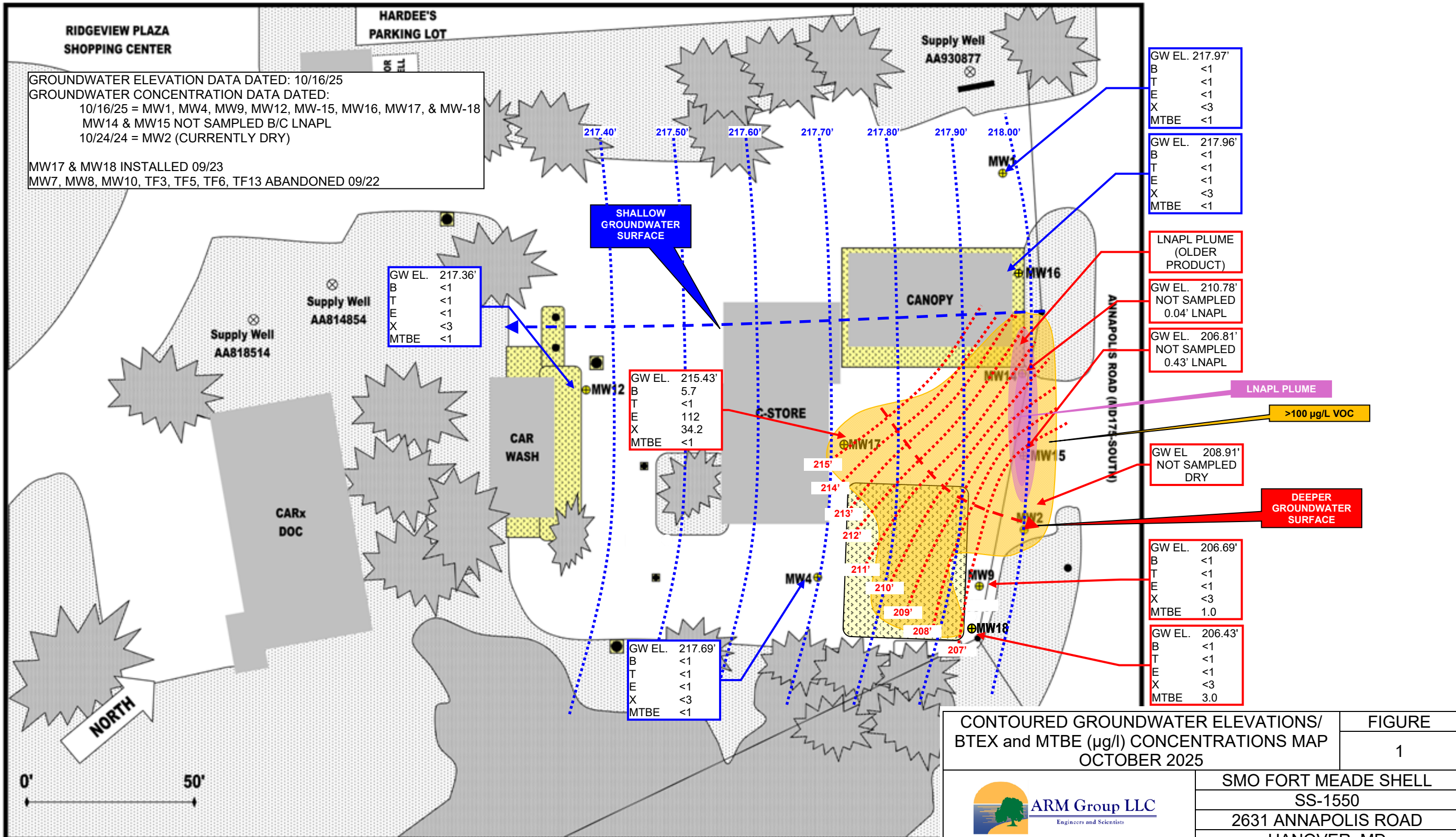
Well	Date	Well Elev.	Well Depth	Depth to LNAPL	Depth to Water	LNAPL	Gallons Removed	Cumulative Removed	Corrected Water Elevation	Micrograms Per Liter (µg/l)													
										Benzene	Toluene	Ethyl-benzene	m,p-Xylenes	o-Xylenes	MTBE	Cyclohexane	Methyl-cyclohexane	Cumene	Naphthalene	VOC	GRO (CG-10)	DRO (C10-28)	
MW14	04/29/13				Clear	25.20			218.58	26.0	<10	36.0	200.0	12.0	<10	130.0	210.0	230.0	100.0	944.0	19.00	85.00	
	08/09/13				Clear	25.20			218.53	56.0	<50	310.0	1300.0	140.0	<50	<250	<250	280.0	<50	2086.0	20.00	9.20	
	11/14/13				Clear	26.41	0.28	Trace	Trace														
	12/03/13				Clear	26.41	0.00	0.00	Trace	217.37													
	12/11/13				26.61	26.63	0.00	0.00	Trace	Trace													
	12/19/13				26.35	28.10	1.75	0.20	0.20	217.00													
	12/20/13				26.32	27.99	1.67	0.20	0.40	217.05													
	01/02/14				26.10	28.50	2.40	0.25	0.65	217.99													
	01/08/14				26.11	27.98	1.25	0.20	0.55	217.58													
	01/09/14				26.11	27.94	1.83	0.20	1.05	217.22													
	01/14/14				26.08	27.95	1.87	0.20	1.25	217.24													
	01/16/14				26.01	28.47	1.46	0.20	1.45	217.16													
	01/20/14				25.94	27.46	1.52	0.20	1.65	217.47													
	01/24/14				25.83	26.93	1.10	0.20	1.85	217.68													
	01/27/14				26.24	27.27	1.03	0.20	2.05	217.39													
	01/31/14				26.12	27.29	1.17	0.20	2.25	217.37													
	02/03/14				27.43	29.01	1.58	0.20	2.45	215.96													
	02/06/14				27.32	28.99	1.67	0.20	2.65	216.05													
	02/10/14				27.45	29.04	1.59	0.20	2.85	215.94													
	02/12/14				25.80	28.71	2.91	0.20	3.05	217.26													
	02/14/14				25.76	28.41	2.65	0.20	3.25	217.37													
	02/18/14				25.81	27.78	1.97	0.15	3.40	217.49													
	02/20/14				25.82	27.38	1.56	0.10	3.50	217.58													
	02/24/14				25.76	27.21	1.45	0.10	3.60	217.66													
	02/26/14				25.75	26.34	0.49	0.10	3.70	217.81													
	02/28/14				25.74	26.68	0.92	0.05	3.75	217.81													
	03/04/14				25.65	26.05	0.40	0.05	3.80	218.03													
	03/06/14				25.64	25.88	0.22	0.05	3.85	218.09													
	03/10/14				25.47	25.49	0.02	0.01	3.85	218.31													
	03/12/14				25.52	25.53	0.01	0.01	3.87	218.26													
	03/19/14				25.49	25.50	0.01	0.01	3.88	218.29													
	03/28/14				25.41	25.41	0.00	0.00	3.88	218.17													
	04/08/14				25.30	25.30	0.00	0.00	3.88	218.48													
	04/21/14				25.14	25.20	0.06	0.01	3.89	218.63													
	04/30/14				25.09	25.09	0.00	0.00	3.89	218.69	78.0	570.0	1400.0	2800.0	1200.0	<10	230.0	200.0	160.0	450.0	7088.0	34.00	140.00
	05/12/14				24.65	24.65	0.00	0.00	3.89	219.13													
	05/15/14				24.55	24.55	0.00	0.00	3.89	219.23													
	06/23/14				24.65	24.65	0.00	0.00	3.89	219.13													
	06/30/14				27.01	27.01	0.00	0.00	3.89	218.64	50.0	700.0	1400.0	4800.0	1200.0	<500	<500	<500	<500	<1000	8150.0	30.00	12.00
	07/30/14				27.25	27.25	0.00	0.00	3.89	216.40													
	08/20/14				33.06	33.06	0.00	0.00	3.89	210.99													
	09/18/14				33.32	33.32	0.00	0.00	3.89	210.25	50.0	1700.0	9000.0	29000.0	7200.0	<500	950.0	4700.0	1900.0	4000.0	58500.0	74.00	40.00
	09/15/14				33.40	33.40	0.00	0.00	3.89	210.25													
	09/25/14				33.65	33.65	0.00	0.00	3.89	210.00													
	10/03/14				33.63	33.63	0.00	0.00	3.89	210.02													
	10/15/14				33.25	33.25	0.00	0.00	3.89	210.40													
10/22/14				33.61	34.45	0.84	1.00	4.89	209.83														
11/04/14				33.70	33.71	0.00	0.00	4.89	209.95														
11/13/14				34.27	34.27	0.00	0.00	4.89	209.98														
11/21/14				34.35	34.51	0.16	0.20	5.09	209.28														
12/04/14				34.30	35.05	0.75	0.85	5.94	209.17														
12/22/14				33.37	33.71	0.34	0.30	6.24	210.20														
01/05/15				33.08	33.08	0.00	0.00	6.24	210.57														
01/14/15				33.55	33.55	0.00	0.00	6.24	210.10														
01/26/15				32.71	32.71	0.00	0.00	6.24	210.94														
01/30/15				32.91	32.92	0.01	0.00	6.24	210.74														
02/04/15				32.10	32.10	0.00	0.00	6.24	211.55														
02/13/15				32.50	32.61	0.11	0.10	6.34	211.12														
02/20/15				32.91	32.91	0.00	0.00	6.34	210.74														
02/26/15				32.68	32.68	0.00	0.00	6.34	210.97														
03/04/15				32.71	32.71	0.00	0.00	6.34	210.94														
03/16/15				32.66	32.66	0.00	0.00	6.34	210.99														
03/20/15				32.74	32.74	0.00	0.00	6.34	210.91														
03/25/15				32.30	32.30	0.00	0.00	6.34	211.35														
04/02/15				30.87	30.87	0.00	0.00	6.34	212.78														
04/10/15				30.49	30.49	0.00	0.00	6.34	213.16	50.0	<100	1000.0	3100.0	810.0	<500	<500	<500	<500	<1000	4960.0	26.00	6.00	
04/17/15				30.39	30.39	0.00	0.00	6.34	213.26														
04/30/15				30.70	30.70	0.00	0.00	6.34	212.95														
05/28/15				30.18	30.18	0.00	0.00	6.34	213.47														
06/01/15				30.19	30.19	0.00	0.00	6.34	213.46														
06/09/15				29.88	29.88	0.00	0.00	6.34	213.76														

Well	Date	Well Elev.	Well Depth	Depth to LNAPL	Depth to Water	LNAPL	Gallons Removed	Cumulative Removed	Corrected Water Elevation	Micrograms Per Liter (µg/l)										VOC	GRO (C6-10)	DRO (C10-28)		
										Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylenes	MTBE	Cyclohexane	Methylcyclohexane	Cumene	Naphthalene					
MH14	12/06/16	243.65	43.64	30.31	30.31	0.00	0.00	6.34	213.34	50.0	<100	440.0	1600.0	<500	<500	<500	<500	<500	<1000	2090.0	10.00	48.00		
	12/16/16			28.84	28.84	0.00	0.00	6.34	214.81															
	01/09/17			28.84	28.84	0.00	0.00	6.34	214.81															
	01/16/17			28.90	28.90	0.00	0.00	6.34	214.75															
	01/23/17			28.58	28.58	0.00	0.00	6.34	215.07															
	02/03/17			28.53	28.53	0.00	0.00	6.34	215.12															
	02/15/17			28.31	28.31	0.00	0.00	6.34	215.34															
	02/17/17			31.02	31.02	0.00	0.00	6.34	212.63															
	02/21/17			29.71	29.71	0.00	0.00	6.34	213.94	50.0	<100	630.0	2600.0	<500	<500	<500	<500	<500	<1000	3280.0	11.00	24.00		
	03/13/17			28.73	28.73	0.00	0.00	6.34	214.62															
	03/27/17			28.20	28.20	0.00	0.00	6.34	215.45															
	04/24/17			26.84	26.84	0.00	0.00	6.34	217.01															
	05/01/17			26.56	26.56	0.00	0.00	6.34	217.10															
	05/09/17			26.47	26.47	0.00	0.00	6.34	217.18	78.0	<10	340.0	810.0	94.0	<50	<50	51.0	<50	140.0	1513.0	7.50	6.50		
	05/12/17			26.34	26.34	0.00	0.00	6.34	217.31															
	05/23/17			26.07	26.07	0.00	0.00	6.34	217.58															
	05/30/17			26.18	26.18	0.00	0.00	6.34	217.47															
	06/07/17			25.58	25.58	0.00	0.00	6.34	218.07															
	06/13/17			25.42	25.42	0.00	0.00	6.34	218.23															
	06/27/17			25.23	25.23	0.00	0.00	6.34	218.42															
	07/11/17			26.32	26.32	0.00	0.00	6.34	217.33															
	07/19/17			26.16	26.16	0.00	0.00	6.34	217.49															
	07/27/17			26.18	26.18	0.00	0.00	6.34	217.47															
	08/02/17			25.76	25.76	0.00	0.00	6.34	217.89															
	09/18/17			24.93	24.93	0.00	0.00	6.34	218.12	5.0	<1	100.0	190.0	37.0	<5	17.0	13.0	14.0	45.0	461.0	3.40	1.70		
	09/29/17			25.22	25.22	0.00	0.00	6.34	218.43															
	10/09/17			28.52	28.52	0.00	0.00	6.34	215.13															
	10/16/17			27.78	27.78	0.00	0.00	6.34	215.87															
	10/26/17			26.82	26.82	0.00	0.00	6.34	217.03															
	11/02/17			27.12	27.12	0.00	0.00	6.34	216.53															
	11/08/17			26.91	26.91	0.00	0.00	6.34	216.74	25.0	<1	380.0	950.0	110.0	<25	54.0	48.0	39.0	150.0	1756.0	11.00	28.00		
	11/20/17			26.29	26.29	0.00	0.00	6.34	217.44															
	11/22/17			26.30	26.30	0.00	0.00	6.34	217.35															
	11/27/17			29.12	29.12	0.00	0.00	6.34	214.63															
	12/08/17			28.96	28.96	0.00	0.00	6.34	214.69															
	12/13/17			28.95	28.95	0.00	0.00	6.34	214.70															
	12/22/17			27.62	27.62	0.00	0.00	6.34	216.03															
	01/02/18			27.10	27.10	0.00	0.00	6.34	216.95															
	01/15/18			26.90	26.90	0.00	0.00	6.34	217.25															
	01/29/18			28.38	28.38	0.00	0.00	6.34	215.27															
	02/22/18			27.42	27.42	0.00	0.00	6.34	216.23	10.0	<20	800.0	2400.0	120.0	<100	<100	140.0	<100	400.0	3860.0	170.00	52.00		
	03/22/18			27.26	27.26	0.00	0.00	6.34	216.99															
	03/30/18			25.38	25.38	0.00	0.00	6.34	218.27															
	04/10/18			25.20	25.20	0.00	0.00	6.34	218.45	4.0	<1	180.0	350.0	48.0	<5	9.0	16.0	20.0	72.0	699.0	4.50	2.90		
	04/24/18			25.08	25.08	0.00	0.00	6.34	218.57															
	05/29/18			24.70	24.70	0.00	0.00	6.34	218.95															
	06/13/18			24.15	24.15	0.00	0.00	6.34	219.50															
	06/18/18			24.34	24.34	0.00	0.00	6.34	219.31															
	06/28/18			24.31	24.31	0.00	0.00	6.34	219.34															
	07/03/18			24.33	24.33	0.00	0.00	6.34	219.32	15.0	<2	190.0	200.0	16.0	<10	18.0	38.0	22.0	94.0	593.0	7.00	3.40		
	07/12/18			24.59	24.59	0.00	0.00	6.34	219.06															
	07/25/18			24.48	24.48	0.00	0.00	6.34	219.17															
	08/06/18			23.85	23.85	0.00	0.00	6.34	219.80															
	08/31/18			24.11	24.11	0.00	0.00	6.34	219.64															
	09/26/18			24.13	24.13	0.00	0.00	6.34	219.62															
	10/08/18			23.84	23.84	0.00	0.00	6.34	219.81	0.5	<1	25.0	19.0	<5	<5	<5	<5	<5	16.0	60.5	0.59	0.65		
	11/06/18			24.86	24.86	0.00	0.00	6.34	218.79	2.7	2.8	167.0	171.0	5.0	<1					67.6	454.2	3.82	4.30	
	03/19/19			24.21	24.21	0.00	0.00	6.34	219.31	4.5	5.6	153.0	176.0	4.2	<1					45.5	386.8	1.96	1.90	
	06/11/19			24.94	24.94	0.00	0.00	6.34	218.71	12.0	10.0	295.0	413.0	9.2	<1					80.7	835.0	4.02	1.80	
	09/12/19			24.94	24.94	0.00	0.00	6.34	218.71	12.0	10.0	295.0	413.0	9.2	<1					80.7	835.0	4.02	1.80	
	12/10/19			27.29	27.29	0.00	0.00	6.34	216.36	18.3	28.7	414.0	686.0	25.7	<1					146.0	1325.7	4.38	2.80	
	03/16/20			25.29	25.29	0.00	0.00	6.34	218.17	9.5	0.5	39.0	73.0	4.4	0.5					6.2	19.8	325.5	0.90	1.30
	05/27/20			24.64	24.64	0.00	0.00	6.34	219.01	5.9	2.2	287.0	368.0	13.5	0.5					32.9	95.9	1615.2	1.63	1.40
	08/27/20			24.25	24.25	0.00	0.00	6.34	219.40	4.9	2.0	284.0	371.0	12.3	<1					107.0	1554.1	2.26	1.40	
	11/24/20			24.15	24.15	0.00	0.00	6.34	219.60	3.8	1.6	257.0	351.0	10.5	<1					89.8	713.5	2.06	2.00	
	02/10/21			24.22	24.22	0.00	0.00	6.34	218.83	1.9	0.9	152.0	118.0	3.9	<1					60.2	344.8	1.26	1.30	
	04/28/21			24.67	24.67	0.00	0.00	6.34	218.98	1.7	1.4	139.0	183.0	3.5	<1					51.2	365.6	1.70	1.40	
	07/12/21			27.14																				

APPENDIX C

**SITE MAP WITH CONTOURED GROUNDWATER ELEVATIONS &
BTEX/MTBE CONCENTRATIONS**





CONTOURED GROUNDWATER ELEVATIONS/
 BTEX and MTBE (µg/l) CONCENTRATIONS MAP
 OCTOBER 2025

FIGURE
 1

ARM Group LLC
 Engineers and Scientists

SMO FORT MEADE SHELL
 SS-1550
 2631 ANNAPOLIS ROAD
 HANOVER, MD
 ARM NO. 190292M

0 15 30 Feet

APPENDIX D

GROUNDWATER SAMPLE LABORATORY REPORT



27 October 2025

DOUG HAMILTON
ARM Group
9175 Guilford Rd Suite 310
Columbia, MD 21046
RE: SMO HANOVER

Enclosed are the results of analyses for samples received by the laboratory on 10/16/25 14:34.

Maryland Spectral Services, Inc. is a TNI 2016 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2016 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2016 Standard accreditations.

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

Sincerely,



Will Brewington
President

Analytical Results

Project: SMO HANOVER

Project Number: 190292.1

Project Manager: DOUG HAMILTON

Reported:

10/27/25 12:04

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-12		5101621-01	Nonpotable Water	10/16/25 09:37	10/16/25 14:34
MW-1		5101621-02	Nonpotable Water	10/16/25 10:07	10/16/25 14:34
MW-16		5101621-03	Nonpotable Water	10/16/25 10:38	10/16/25 14:34
MW-4		5101621-04	Nonpotable Water	10/16/25 11:00	10/16/25 14:34
MW-9		5101621-05	Nonpotable Water	10/16/25 11:30	10/16/25 14:34
MW-18		5101621-06	Nonpotable Water	10/16/25 12:16	10/16/25 14:34
MW-17		5101621-07	Nonpotable Water	10/16/25 13:04	10/16/25 14:34



Will Brewington, President

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-12

5101621-01 (Nonpotable Water)
Sampled on: 10/16/25 09:37

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 10:27	CZ
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	10/21/25	10/21/25 10:27	CZ
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Benzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Bromobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Bromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Bromodichloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Bromoform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Bromomethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 10:27	CZ
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	10/21/25	10/21/25 10:27	CZ
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 10:27	CZ
n-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Carbon disulfide	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Chlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Chloroethane	ND		ug/L	5.0	3.0	1	10/21/25	10/21/25 10:27	CZ
Chloroform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Chloromethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 10:27	CZ
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Dibromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Dibromomethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ

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Will Brewington, President

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-12

5101621-01 (Nonpotable Water)

Sampled on: 10/16/25 09:37

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Ethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
2-Hexanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 10:27	CZ
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 10:27	CZ
Methylene chloride	ND		ug/L	10.0	5.0	1	10/21/25	10/21/25 10:27	CZ
Naphthalene	ND		ug/L	2.0	2.0	1	10/21/25	10/21/25 10:27	CZ
n-Propylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Styrene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Tetrachloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Toluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Trichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ

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Will Brewington, President

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-12

5101621-01 (Nonpotable Water)
Sampled on: 10/16/25 09:37

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Vinyl chloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
o-Xylene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:27	CZ
Surrogate: 1,2-Dichloroethane-d4		70-130		104 %	10/21/25		10/21/25 10:27		
Surrogate: Toluene-d8		75-120		100 %	10/21/25		10/21/25 10:27		
Surrogate: 4-Bromofluorobenzene		75-120		99 %	10/21/25		10/21/25 10:27		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	10/17/25	10/17/25 19:35	CZ
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		100 %	10/17/25		10/17/25 19:35		
DIESEL RANGE ORGANICS BY EPA 8015CD Prepared by 3510-GC(Sep Funnel)									
Diesel-Range Organics (C10-C28)	ND		ug/L	38.0	38.0	1	10/21/25	10/22/25 16:17	TS
Surrogate: o-Terphenyl		60-120		46 %	10/21/25		10/22/25 16:17		S-FAIL

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Will Brewington, President

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-1

5101621-02 (Nonpotable Water)
Sampled on: 10/16/25 10:07

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 10:53	CZ
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	10/21/25	10/21/25 10:53	CZ
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Benzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Bromobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Bromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Bromodichloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Bromoform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Bromomethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 10:53	CZ
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	10/21/25	10/21/25 10:53	CZ
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 10:53	CZ
n-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Carbon disulfide	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Chlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Chloroethane	ND		ug/L	5.0	3.0	1	10/21/25	10/21/25 10:53	CZ
Chloroform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Chloromethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 10:53	CZ
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Dibromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Dibromomethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-1

5101621-02 (Nonpotable Water)
Sampled on: 10/16/25 10:07

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Ethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
2-Hexanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 10:53	CZ
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 10:53	CZ
Methylene chloride	ND		ug/L	10.0	5.0	1	10/21/25	10/21/25 10:53	CZ
Naphthalene	ND		ug/L	2.0	2.0	1	10/21/25	10/21/25 10:53	CZ
n-Propylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Styrene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Tetrachloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Toluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Trichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-1

5101621-02 (Nonpotable Water)

Sampled on: 10/16/25 10:07

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatiles by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Vinyl chloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
o-Xylene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 10:53	CZ
Surrogate: 1,2-Dichloroethane-d4		70-130		106 %	10/21/25		10/21/25 10:53		
Surrogate: Toluene-d8		75-120		100 %	10/21/25		10/21/25 10:53		
Surrogate: 4-Bromofluorobenzene		75-120		98 %	10/21/25		10/21/25 10:53		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	10/17/25	10/17/25 19:59	CZ
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		99 %	10/17/25		10/17/25 19:59		
DIESEL RANGE ORGANICS BY EPA 8015CD Prepared by 3510-GC(Sep Funnel)									
Diesel-Range Organics (C10-C28)	95.2		ug/L	37.1	37.1	1	10/22/25	10/23/25 22:13	TS
Surrogate: o-Terphenyl		60-120		78 %	10/22/25		10/23/25 22:13		

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-16

5101621-03 (Nonpotable Water)

Sampled on: 10/16/25 10:38

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 11:19	CZ
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	10/21/25	10/21/25 11:19	CZ
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Benzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Bromobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Bromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Bromodichloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Bromoform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Bromomethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 11:19	CZ
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	10/21/25	10/21/25 11:19	CZ
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 11:19	CZ
n-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Carbon disulfide	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Chlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Chloroethane	ND		ug/L	5.0	3.0	1	10/21/25	10/21/25 11:19	CZ
Chloroform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Chloromethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 11:19	CZ
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Dibromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Dibromomethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-16

5101621-03 (Nonpotable Water)
Sampled on: 10/16/25 10:38

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Ethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
2-Hexanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 11:19	CZ
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 11:19	CZ
Methylene chloride	ND		ug/L	10.0	5.0	1	10/21/25	10/21/25 11:19	CZ
Naphthalene	ND		ug/L	2.0	2.0	1	10/21/25	10/21/25 11:19	CZ
n-Propylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Styrene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Tetrachloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Toluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Trichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-16

5101621-03 (Nonpotable Water)

Sampled on: 10/16/25 10:38

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatiles by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Vinyl chloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
o-Xylene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:19	CZ
Surrogate: 1,2-Dichloroethane-d4		70-130		105 %	10/21/25		10/21/25 11:19		
Surrogate: Toluene-d8		75-120		101 %	10/21/25		10/21/25 11:19		
Surrogate: 4-Bromofluorobenzene		75-120		100 %	10/21/25		10/21/25 11:19		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	388		ug/L	100	45.0	1	10/17/25	10/17/25 20:23	CZ
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		107 %	10/17/25		10/17/25 20:23		
DIESEL RANGE ORGANICS BY EPA 8015CD Prepared by 3510-GC(Sep Funnel)									
Diesel-Range Organics (C10-C28)	669		ug/L	37.0	37.0	1	10/22/25	10/23/25 22:39	TS
Surrogate: o-Terphenyl		60-120		85 %	10/22/25		10/23/25 22:39		

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-4

5101621-04 (Nonpotable Water)
Sampled on: 10/16/25 11:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatiles Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 11:45	CZ
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	10/21/25	10/21/25 11:45	CZ
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Benzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Bromobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Bromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Bromodichloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Bromoform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Bromomethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 11:45	CZ
tert-Butanol (TBA)	ND		ug/L	15.0	15.0	1	10/21/25	10/21/25 11:45	CZ
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 11:45	CZ
n-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Carbon disulfide	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Chlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Chloroethane	ND		ug/L	5.0	3.0	1	10/21/25	10/21/25 11:45	CZ
Chloroform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Chloromethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 11:45	CZ
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Dibromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Dibromomethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-4

5101621-04 (Nonpotable Water)
Sampled on: 10/16/25 11:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Ethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
2-Hexanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 11:45	CZ
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 11:45	CZ
Methylene chloride	ND		ug/L	10.0	5.0	1	10/21/25	10/21/25 11:45	CZ
Naphthalene	ND		ug/L	2.0	2.0	1	10/21/25	10/21/25 11:45	CZ
n-Propylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Styrene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Tetrachloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Toluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Trichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-4

5101621-04 (Nonpotable Water)

Sampled on: 10/16/25 11:00

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Vinyl chloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
o-Xylene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 11:45	CZ
Surrogate: 1,2-Dichloroethane-d4		70-130		104 %	10/21/25		10/21/25 11:45		
Surrogate: Toluene-d8		75-120		101 %	10/21/25		10/21/25 11:45		
Surrogate: 4-Bromofluorobenzene		75-120		99 %	10/21/25		10/21/25 11:45		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	ND		ug/L	100	45.0	1	10/17/25	10/17/25 20:48	CZ
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		100 %	10/17/25		10/17/25 20:48		
DIESEL RANGE ORGANICS BY EPA 8015CD Prepared by 3510-GC(Sep Funnel)									
Diesel-Range Organics (C10-C28)	97.4		ug/L	38.0	38.0	1	10/22/25	10/23/25 23:04	TS
Surrogate: o-Terphenyl		60-120		86 %	10/22/25		10/23/25 23:04		



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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-9

5101621-05 (Nonpotable Water)

Sampled on: 10/16/25 11:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 12:11	CZ
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	10/21/25	10/21/25 12:11	CZ
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Benzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Bromobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Bromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Bromodichloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Bromoform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Bromomethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 12:11	CZ
tert-Butanol (TBA)	23.7		ug/L	15.0	15.0	1	10/21/25	10/21/25 12:11	CZ
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 12:11	CZ
n-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
sec-Butylbenzene	1.2	J	ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Carbon disulfide	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Chlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Chloroethane	ND		ug/L	5.0	3.0	1	10/21/25	10/21/25 12:11	CZ
Chloroform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Chloromethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 12:11	CZ
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Dibromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Dibromomethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ



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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-9

5101621-05 (Nonpotable Water)

Sampled on: 10/16/25 11:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Ethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
2-Hexanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 12:11	CZ
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 12:11	CZ
Methylene chloride	ND		ug/L	10.0	5.0	1	10/21/25	10/21/25 12:11	CZ
Naphthalene	ND		ug/L	2.0	2.0	1	10/21/25	10/21/25 12:11	CZ
n-Propylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Styrene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Tetrachloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Toluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Trichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-9

5101621-05 (Nonpotable Water)
Sampled on: 10/16/25 11:30

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatiles by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Vinyl chloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
o-Xylene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:11	CZ
Surrogate: 1,2-Dichloroethane-d4		70-130		101 %	10/21/25		10/21/25 12:11		
Surrogate: Toluene-d8		75-120		102 %	10/21/25		10/21/25 12:11		
Surrogate: 4-Bromofluorobenzene		75-120		97 %	10/21/25		10/21/25 12:11		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	518		ug/L	100	45.0	1	10/17/25	10/17/25 21:12	CZ
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		112 %	10/17/25		10/17/25 21:12		
DIESEL RANGE ORGANICS BY EPA 8015CD Prepared by 3510-GC(Sep Funnel)									
Diesel-Range Organics (C10-C28)	2560		ug/L	36.8	36.8	1	10/22/25	10/23/25 23:30	TS
Surrogate: o-Terphenyl		60-120		88 %	10/22/25		10/23/25 23:30		



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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-18

5101621-06 (Nonpotable Water)
Sampled on: 10/16/25 12:16

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 12:38	CZ
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	10/21/25	10/21/25 12:38	CZ
tert-Amyl methyl ether (TAME)	1.1	J	ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Benzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Bromobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Bromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Bromodichloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Bromoform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Bromomethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 12:38	CZ
tert-Butanol (TBA)	76.1		ug/L	15.0	15.0	1	10/21/25	10/21/25 12:38	CZ
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 12:38	CZ
n-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
sec-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Carbon disulfide	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Chlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Chloroethane	ND		ug/L	5.0	3.0	1	10/21/25	10/21/25 12:38	CZ
Chloroform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Chloromethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 12:38	CZ
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Dibromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Dibromomethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-18

5101621-06 (Nonpotable Water)
Sampled on: 10/16/25 12:16

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Diisopropyl ether (DIPE)	1.4	J	ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Ethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
2-Hexanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 12:38	CZ
Isopropylbenzene (Cumene)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
4-Isopropyltoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Methyl tert-butyl ether (MTBE)	3.0		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 12:38	CZ
Methylene chloride	ND		ug/L	10.0	5.0	1	10/21/25	10/21/25 12:38	CZ
Naphthalene	ND		ug/L	2.0	2.0	1	10/21/25	10/21/25 12:38	CZ
n-Propylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Styrene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Tetrachloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Toluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Trichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-18

5101621-06 (Nonpotable Water)

Sampled on: 10/16/25 12:16

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,2,4-Trimethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
1,3,5-Trimethylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Vinyl chloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
o-Xylene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
m- & p-Xylenes	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 12:38	CZ
Surrogate: 1,2-Dichloroethane-d4		70-130		102 %	10/21/25		10/21/25 12:38		
Surrogate: Toluene-d8		75-120		101 %	10/21/25		10/21/25 12:38		
Surrogate: 4-Bromofluorobenzene		75-120		99 %	10/21/25		10/21/25 12:38		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	336		ug/L	100	45.0	1	10/17/25	10/17/25 21:36	CZ
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		105 %	10/17/25		10/17/25 21:36		
DIESEL RANGE ORGANICS BY EPA 8015CD Prepared by 3510-GC(Sep Funnel)									
Diesel-Range Organics (C10-C28)	1070		ug/L	36.9	36.9	1	10/22/25	10/23/25 23:56	TS
Surrogate: o-Terphenyl		60-120		97 %	10/22/25		10/23/25 23:56		

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-17

5101621-07 (Nonpotable Water)

Sampled on: 10/16/25 13:04

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES									
Acetone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 13:04	CZ
tert-Amyl alcohol (TAA)	ND		ug/L	20.0	20.0	1	10/21/25	10/21/25 13:04	CZ
tert-Amyl methyl ether (TAME)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Benzene	5.7		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Bromobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Bromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Bromodichloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Bromoform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Bromomethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 13:04	CZ
tert-Butanol (TBA)	19.1		ug/L	15.0	15.0	1	10/21/25	10/21/25 13:04	CZ
2-Butanone (MEK)	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 13:04	CZ
n-Butylbenzene	19.9		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
sec-Butylbenzene	9.3		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
tert-Butylbenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Carbon disulfide	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Carbon tetrachloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Chlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Chloroethane	ND		ug/L	5.0	3.0	1	10/21/25	10/21/25 13:04	CZ
Chloroform	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Chloromethane	ND		ug/L	5.0	5.0	1	10/21/25	10/21/25 13:04	CZ
2-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
4-Chlorotoluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Dibromochloromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,2-Dibromoethane (EDB)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Dibromomethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,2-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,3-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,4-Dichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Dichlorodifluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,1-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,2-Dichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,1-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-17

5101621-07 (Nonpotable Water)
Sampled on: 10/16/25 13:04

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
cis-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
trans-1,2-Dichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Dichlorofluoromethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,3-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
2,2-Dichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,1-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
cis-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
trans-1,3-Dichloropropene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Diisopropyl ether (DIPE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Ethyl tert-butyl ether (ETBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Ethylbenzene	112		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Hexachlorobutadiene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
2-Hexanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 13:04	CZ
Isopropylbenzene (Cumene)	40.5		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
4-Isopropyltoluene	5.6		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
4-Methyl-2-pentanone	ND		ug/L	10.0	10.0	1	10/21/25	10/21/25 13:04	CZ
Methylene chloride	ND		ug/L	10.0	5.0	1	10/21/25	10/21/25 13:04	CZ
Naphthalene	100		ug/L	2.0	2.0	1	10/21/25	10/21/25 13:04	CZ
n-Propylbenzene	122		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Styrene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Tetrachloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Toluene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,2,3-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,2,4-Trichlorobenzene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,1,1-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,1,2-Trichloroethane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Trichloroethene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Trichlorofluoromethane (Freon 11)	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,2,3-Trichloropropane	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
1,2,4-Trimethylbenzene	367	E	ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

MW-17

5101621-07 (Nonpotable Water)
Sampled on: 10/16/25 13:04

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
Volatile Organics by EPA 8260D (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)									
1,3,5-Trimethylbenzene	72.5		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Vinyl chloride	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
o-Xylene	ND		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
m- & p-Xylenes	34.2		ug/L	2.0	1.0	1	10/21/25	10/21/25 13:04	CZ
Surrogate: 1,2-Dichloroethane-d4		70-130		102 %	10/21/25		10/21/25 13:04		
Surrogate: Toluene-d8		75-120		101 %	10/21/25		10/21/25 13:04		
Surrogate: 4-Bromofluorobenzene		75-120		97 %	10/21/25		10/21/25 13:04		
GASOLINE RANGE ORGANICS BY EPA 8015C Prepared by GC-WATER-VOLATILES									
Gasoline-Range Organics	2410		ug/L	100	45.0	1	10/17/25	10/17/25 22:00	CZ
Surrogate: a,a,a-Trifluorotoluene [FID]		85-115		103 %	10/17/25		10/17/25 22:00		
DIESEL RANGE ORGANICS BY EPA 8015CD Prepared by 3510-GC(Sep Funnel)									
Diesel-Range Organics (C10-C28)	7730		ug/L	73.7	73.7	2	10/22/25	10/24/25 00:22	TS
Surrogate: o-Terphenyl		60-120		84 %	10/22/25		10/24/25 00:22		



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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

Volatile Organics by EPA 8260D (GC/MS) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIJ0503 - GCMS-WATER-VOLATILES

Blank (BIJ0503-BLK1)

Prepared & Analyzed: 10/21/25

Acetone	ND	10.0	ug/L							
tert-Amyl alcohol (TAA)	ND	20.0	ug/L							
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L							
Benzene	ND	2.0	ug/L							
Bromobenzene	ND	2.0	ug/L							
Bromochloromethane	ND	2.0	ug/L							
Bromodichloromethane	ND	2.0	ug/L							
Bromoform	ND	2.0	ug/L							
Bromomethane	ND	5.0	ug/L							
tert-Butanol (TBA)	ND	15.0	ug/L							
2-Butanone (MEK)	ND	10.0	ug/L							
n-Butylbenzene	ND	2.0	ug/L							
sec-Butylbenzene	ND	2.0	ug/L							
tert-Butylbenzene	ND	2.0	ug/L							
Carbon disulfide	ND	2.0	ug/L							
Carbon tetrachloride	ND	2.0	ug/L							
Chlorobenzene	ND	2.0	ug/L							
Chloroethane	ND	5.0	ug/L							
Chloroform	ND	2.0	ug/L							
Chloromethane	ND	5.0	ug/L							
2-Chlorotoluene	ND	2.0	ug/L							
4-Chlorotoluene	ND	2.0	ug/L							
Dibromochloromethane	ND	2.0	ug/L							
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							
1,2-Dibromoethane (EDB)	ND	2.0	ug/L							
Dibromomethane	ND	2.0	ug/L							
1,2-Dichlorobenzene	ND	2.0	ug/L							
1,3-Dichlorobenzene	ND	2.0	ug/L							
1,4-Dichlorobenzene	ND	2.0	ug/L							
Dichlorodifluoromethane	ND	2.0	ug/L							
1,1-Dichloroethane	ND	2.0	ug/L							
1,2-Dichloroethane	ND	2.0	ug/L							
1,1-Dichloroethene	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	2.0	ug/L							
trans-1,2-Dichloroethene	ND	2.0	ug/L							
Dichlorofluoromethane	ND	2.0	ug/L							
1,2-Dichloropropane	ND	2.0	ug/L							

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

Volatile Organics by EPA 8260D (GC/MS) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIJ0503 - GCMS-WATER-VOLATILES

Blank (BIJ0503-BLK1)

Prepared & Analyzed: 10/21/25

1,3-Dichloropropane	ND	2.0	ug/L							
2,2-Dichloropropane	ND	2.0	ug/L							
1,1-Dichloropropene	ND	2.0	ug/L							
cis-1,3-Dichloropropene	ND	2.0	ug/L							
trans-1,3-Dichloropropene	ND	2.0	ug/L							
Diisopropyl ether (DIPE)	ND	2.0	ug/L							
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L							
Ethylbenzene	ND	2.0	ug/L							
Hexachlorobutadiene	ND	2.0	ug/L							
2-Hexanone	ND	10.0	ug/L							
Isopropylbenzene (Cumene)	ND	2.0	ug/L							
4-Isopropyltoluene	ND	2.0	ug/L							
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L							
4-Methyl-2-pentanone	ND	10.0	ug/L							
Methylene chloride	ND	10.0	ug/L							
Naphthalene	ND	2.0	ug/L							
n-Propylbenzene	ND	2.0	ug/L							
Styrene	ND	2.0	ug/L							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L							
Tetrachloroethene	ND	2.0	ug/L							
Toluene	ND	2.0	ug/L							
1,2,3-Trichlorobenzene	ND	2.0	ug/L							
1,2,4-Trichlorobenzene	ND	2.0	ug/L							
1,1,1-Trichloroethane	ND	2.0	ug/L							
1,1,2-Trichloroethane	ND	2.0	ug/L							
Trichloroethene	ND	2.0	ug/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	ug/L							
1,2,3-Trichloropropane	ND	2.0	ug/L							
1,2,4-Trimethylbenzene	ND	2.0	ug/L							
1,3,5-Trimethylbenzene	ND	2.0	ug/L							
Vinyl chloride	ND	2.0	ug/L							
o-Xylene	ND	2.0	ug/L							
m- & p-Xylenes	ND	2.0	ug/L							
Tentatively Identified Compounds (TICs)	0.0		ug/L							
Surrogate: 1,2-Dichloroethane-d4	51.96		ug/L	50.00		104	70-130			
Surrogate: Toluene-d8	49.79		ug/L	50.00		100	75-120			

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

Volatile Organics by EPA 8260D (GC/MS) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIJ0503 - GCMS-WATER-VOLATILES

Blank (BIJ0503-BLK1)

Prepared & Analyzed: 10/21/25

Surrogate: 4-Bromofluorobenzene	48.69		ug/L	50.00		97	75-120			
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LCS (BIJ0503-BS1)

Prepared & Analyzed: 10/21/25

Acetone	10.3	10.0	ug/L	10.00		103	52-159			
tert-Amyl alcohol (TAA)	26.8	20.0	ug/L	25.00		107	10-200			
tert-Amyl methyl ether (TAME)	3.9	2.0	ug/L	5.000		79	71-113			
Benzene	4.2	2.0	ug/L	5.000		85	84-117			
Bromobenzene	4.7	2.0	ug/L	5.000		94	78-115			
Bromochloromethane	4.2	2.0	ug/L	5.000		84	79-118			
Bromodichloromethane	4.4	2.0	ug/L	5.000		88	77-113			
Bromoform	4.3	2.0	ug/L	5.000		85	68-107			
Bromomethane	2.0	5.0	ug/L	5.000		40	50-162			S-98, J
tert-Butanol (TBA)	27.5	15.0	ug/L	25.00		110	10-200			
2-Butanone (MEK)	9.7	10.0	ug/L	10.00		97	53-137			J
n-Butylbenzene	5.5	2.0	ug/L	5.000		109	72-134			
sec-Butylbenzene	5.0	2.0	ug/L	5.000		100	75-131			
tert-Butylbenzene	4.7	2.0	ug/L	5.000		94	75-122			
Carbon disulfide	4.0	2.0	ug/L	5.000		81	83-125			S-98
Carbon tetrachloride	4.2	2.0	ug/L	5.000		84	82-115			
Chlorobenzene	4.6	2.0	ug/L	5.000		91	84-116			
Chloroethane	2.8	5.0	ug/L	5.000		57	64-143			S-98, J
Chloroform	4.2	2.0	ug/L	5.000		84	81-118			
Chloromethane	3.7	5.0	ug/L	5.000		73	65-143			J
2-Chlorotoluene	4.7	2.0	ug/L	5.000		94	77-119			
4-Chlorotoluene	4.5	2.0	ug/L	5.000		91	78-121			
Dibromochloromethane	4.5	2.0	ug/L	5.000		89	74-109			
1,2-Dibromo-3-chloropropane	4.8	2.0	ug/L	5.000		95	67-121			
1,2-Dibromoethane (EDB)	4.6	2.0	ug/L	5.000		92	80-109			
Dibromomethane	4.4	2.0	ug/L	5.000		89	80-115			
1,2-Dichlorobenzene	4.6	2.0	ug/L	5.000		93	80-123			
1,3-Dichlorobenzene	4.7	2.0	ug/L	5.000		95	82-120			
1,4-Dichlorobenzene	4.7	2.0	ug/L	5.000		94	83-122			
Dichlorodifluoromethane	4.4	2.0	ug/L	5.000		87	61-144			
1,1-Dichloroethane	4.2	2.0	ug/L	5.000		83	81-118			
1,2-Dichloroethane	4.7	2.0	ug/L	5.000		94	78-119			
1,1-Dichloroethene	4.2	2.0	ug/L	5.000		84	81-121			
cis-1,2-Dichloroethene	4.4	2.0	ug/L	5.000		89	82-114			



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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

Volatile Organics by EPA 8260D (GC/MS) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIJ0503 - GCMS-WATER-VOLATILES

LCS (BIJ0503-BS1)

Prepared & Analyzed: 10/21/25

trans-1,2-Dichloroethene	4.1	2.0	ug/L	5.000		83	82-118			
Dichlorofluoromethane	4.1	2.0	ug/L	5.000		83	76-130			
1,2-Dichloropropane	4.0	2.0	ug/L	5.000		79	79-116			
1,3-Dichloropropane	4.6	2.0	ug/L	5.000		91	78-115			
2,2-Dichloropropane	4.3	2.0	ug/L	5.000		86	76-113			
1,1-Dichloropropene	4.3	2.0	ug/L	5.000		85	82-113			
cis-1,3-Dichloropropene	4.3	2.0	ug/L	5.000		86	76-107			
trans-1,3-Dichloropropene	4.4	2.0	ug/L	5.000		87	74-106			
Diisopropyl ether (DIPE)	3.8	2.0	ug/L	5.000		75	75-111			
Ethyl tert-butyl ether (ETBE)	3.8	2.0	ug/L	5.000		77	71-114			
Ethylbenzene	4.5	2.0	ug/L	5.000		89	79-121			
Hexachlorobutadiene	6.3	2.0	ug/L	5.000		126	70-156			
2-Hexanone	11.1	10.0	ug/L	10.00		111	66-127			
Isopropylbenzene (Cumene)	4.4	2.0	ug/L	5.000		88	63-127			
4-Isopropyltoluene	5.1	2.0	ug/L	5.000		103	71-130			
Methyl tert-butyl ether (MTBE)	4.0	2.0	ug/L	5.000		79	75-117			
4-Methyl-2-pentanone	11.0	10.0	ug/L	10.00		110	70-123			
Methylene chloride	4.0	10.0	ug/L	5.000		79	74-143			J
Naphthalene	5.0	2.0	ug/L	5.000		100	66-136			
n-Propylbenzene	4.5	2.0	ug/L	5.000		90	78-128			
Styrene	4.3	2.0	ug/L	5.000		86	71-114			
1,1,1,2-Tetrachloroethane	4.5	2.0	ug/L	5.000		91	72-109			
1,1,2,2-Tetrachloroethane	4.5	2.0	ug/L	5.000		90	77-117			
Tetrachloroethene	4.3	2.0	ug/L	5.000		87	82-114			
Toluene	4.3	2.0	ug/L	5.000		86	83-114			
1,2,3-Trichlorobenzene	5.5	2.0	ug/L	5.000		110	69-140			
1,2,4-Trichlorobenzene	5.5	2.0	ug/L	5.000		110	73-132			
1,1,1-Trichloroethane	4.3	2.0	ug/L	5.000		86	84-113			
1,1,2-Trichloroethane	4.4	2.0	ug/L	5.000		88	80-114			
Trichloroethene	4.3	2.0	ug/L	5.000		85	84-112			
Trichlorofluoromethane (Freon 11)	4.5	2.0	ug/L	5.000		90	72-135			
1,2,3-Trichloropropane	4.6	2.0	ug/L	5.000		92	72-115			
1,2,4-Trimethylbenzene	4.5	2.0	ug/L	5.000		90	72-124			
1,3,5-Trimethylbenzene	4.5	2.0	ug/L	5.000		90	75-121			
Vinyl chloride	4.0	2.0	ug/L	5.000		80	78-128			
o-Xylene	4.3	2.0	ug/L	5.000		86	74-114			
m- & p-Xylenes	8.7	2.0	ug/L	10.00		87	78-118			



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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

Volatile Organics by EPA 8260D (GC/MS) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIJ0503 - GCMS-WATER-VOLATILES

LCS (BIJ0503-BS1)

Prepared & Analyzed: 10/21/25

Surrogate: 1,2-Dichloroethane-d4	51.95		ug/L	50.00		104	70-130			
Surrogate: Toluene-d8	50.38		ug/L	50.00		101	75-120			
Surrogate: 4-Bromofluorobenzene	49.83		ug/L	50.00		100	75-120			

Duplicate (BIJ0503-DUP1)

Source: 5101621-03

Prepared & Analyzed: 10/21/25

Acetone	ND	10.0	ug/L		ND				20	
tert-Amyl alcohol (TAA)	ND	20.0	ug/L		ND				20	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L		ND				20	
Benzene	ND	2.0	ug/L		ND				20	
Bromobenzene	ND	2.0	ug/L		ND				20	
Bromochloromethane	ND	2.0	ug/L		ND				20	
Bromodichloromethane	ND	2.0	ug/L		ND				20	
Bromoform	ND	2.0	ug/L		ND				20	
Bromomethane	ND	5.0	ug/L		ND				20	
tert-Butanol (TBA)	ND	15.0	ug/L		ND				20	
2-Butanone (MEK)	ND	10.0	ug/L		ND				20	
n-Butylbenzene	ND	2.0	ug/L		ND				20	
sec-Butylbenzene	ND	2.0	ug/L		ND				20	
tert-Butylbenzene	ND	2.0	ug/L		ND				20	
Carbon disulfide	ND	2.0	ug/L		ND				20	
Carbon tetrachloride	ND	2.0	ug/L		ND				20	
Chlorobenzene	ND	2.0	ug/L		ND				20	
Chloroethane	ND	5.0	ug/L		ND				20	
Chloroform	ND	2.0	ug/L		ND				20	
Chloromethane	ND	5.0	ug/L		ND				20	
2-Chlorotoluene	ND	2.0	ug/L		ND				20	
4-Chlorotoluene	ND	2.0	ug/L		ND				20	
Dibromochloromethane	ND	2.0	ug/L		ND				20	
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L		ND				20	
1,2-Dibromoethane (EDB)	ND	2.0	ug/L		ND				20	
Dibromomethane	ND	2.0	ug/L		ND				20	
1,2-Dichlorobenzene	ND	2.0	ug/L		ND				20	
1,3-Dichlorobenzene	ND	2.0	ug/L		ND				20	
1,4-Dichlorobenzene	ND	2.0	ug/L		ND				20	
Dichlorodifluoromethane	ND	2.0	ug/L		ND				20	
1,1-Dichloroethane	ND	2.0	ug/L		ND				20	
1,2-Dichloroethane	ND	2.0	ug/L		ND				20	

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

Volatile Organics by EPA 8260D (GC/MS) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch BIJ0503 - GCMS-WATER-VOLATILES

Duplicate (BIJ0503-DUP1)	Source: 5101621-03			Prepared & Analyzed: 10/21/25						
1,1-Dichloroethene	ND	2.0	ug/L		ND				20	
cis-1,2-Dichloroethene	ND	2.0	ug/L		ND				20	
trans-1,2-Dichloroethene	ND	2.0	ug/L		ND				20	
Dichlorofluoromethane	ND	2.0	ug/L		ND				20	
1,2-Dichloropropane	ND	2.0	ug/L		ND				20	
1,3-Dichloropropane	ND	2.0	ug/L		ND				20	
2,2-Dichloropropane	ND	2.0	ug/L		ND				20	
1,1-Dichloropropene	ND	2.0	ug/L		ND				20	
cis-1,3-Dichloropropene	ND	2.0	ug/L		ND				20	
trans-1,3-Dichloropropene	ND	2.0	ug/L		ND				20	
Diisopropyl ether (DIPE)	ND	2.0	ug/L		ND				20	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L		ND				20	
Ethylbenzene	ND	2.0	ug/L		ND				20	
Hexachlorobutadiene	ND	2.0	ug/L		ND				20	
2-Hexanone	ND	10.0	ug/L		ND				20	
Isopropylbenzene (Cumene)	ND	2.0	ug/L		ND				20	
4-Isopropyltoluene	ND	2.0	ug/L		ND				20	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L		ND				20	
4-Methyl-2-pentanone	ND	10.0	ug/L		ND				20	
Methylene chloride	ND	10.0	ug/L		ND				20	
Naphthalene	ND	2.0	ug/L		ND				20	
n-Propylbenzene	ND	2.0	ug/L		ND				20	
Styrene	ND	2.0	ug/L		ND				20	
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L		ND				20	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L		ND				20	
Tetrachloroethene	ND	2.0	ug/L		ND				20	
Toluene	ND	2.0	ug/L		ND				20	
1,2,3-Trichlorobenzene	ND	2.0	ug/L		ND				20	
1,2,4-Trichlorobenzene	ND	2.0	ug/L		ND				20	
1,1,1-Trichloroethane	ND	2.0	ug/L		ND				20	
1,1,2-Trichloroethane	ND	2.0	ug/L		ND				20	
Trichloroethene	ND	2.0	ug/L		ND				20	
Trichlorofluoromethane (Freon 11)	ND	2.0	ug/L		ND				20	
1,2,3-Trichloropropane	ND	2.0	ug/L		ND				20	
1,2,4-Trimethylbenzene	ND	2.0	ug/L		ND				20	
1,3,5-Trimethylbenzene	ND	2.0	ug/L		ND				20	
Vinyl chloride	ND	2.0	ug/L		ND				20	

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

Volatile Organics by EPA 8260D (GC/MS) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIJ0503 - GCMS-WATER-VOLATILES

Duplicate (BIJ0503-DUP1)

Source: 5101621-03

Prepared & Analyzed: 10/21/25

o-Xylene	ND	2.0	ug/L		ND				20	
m- & p-Xylenes	ND	2.0	ug/L		ND				20	
Tentatively Identified Compounds (TICs)	0.0		ug/L		0.0				200	
Surrogate: 1,2-Dichloroethane-d4	51.98		ug/L	50.00		104	70-130			
Surrogate: Toluene-d8	50.41		ug/L	50.00		101	75-120			
Surrogate: 4-Bromofluorobenzene	50.34		ug/L	50.00		101	75-120			

Matrix Spike (BIJ0503-MS1)

Source: 5101621-04

Prepared & Analyzed: 10/21/25

Acetone	17.1	10.0	ug/L	20.00	ND	85	10-200			
tert-Amyl alcohol (TAA)	96.1	20.0	ug/L	100.0	ND	96	13-196			
tert-Amyl methyl ether (TAME)	16.7	2.0	ug/L	20.00	ND	84	69-122			
Benzene	18.4	2.0	ug/L	20.00	ND	92	79-130			
Bromobenzene	19.4	2.0	ug/L	20.00	ND	97	75-121			
Bromochloromethane	18.5	2.0	ug/L	20.00	ND	93	75-123			
Bromodichloromethane	18.1	2.0	ug/L	20.00	ND	91	74-121			
Bromoform	17.3	2.0	ug/L	20.00	ND	86	68-116			
Bromomethane	3.2	5.0	ug/L	20.00	ND	16	19-150			S-98, J
tert-Butanol (TBA)	93.4	15.0	ug/L	100.0	ND	93	11-200			
2-Butanone (MEK)	18.4	10.0	ug/L	20.00	ND	92	41-168			
n-Butylbenzene	18.9	2.0	ug/L	20.00	ND	94	66-133			
sec-Butylbenzene	18.7	2.0	ug/L	20.00	ND	94	75-132			
tert-Butylbenzene	19.0	2.0	ug/L	20.00	ND	95	76-127			
Carbon disulfide	17.8	2.0	ug/L	20.00	ND	89	78-129			
Carbon tetrachloride	18.1	2.0	ug/L	20.00	ND	90	78-125			
Chlorobenzene	19.6	2.0	ug/L	20.00	ND	98	79-122			
Chloroethane	17.8	5.0	ug/L	20.00	ND	89	59-147			
Chloroform	18.4	2.0	ug/L	20.00	ND	92	73-127			
Chloromethane	15.8	5.0	ug/L	20.00	ND	79	31-172			
2-Chlorotoluene	19.0	2.0	ug/L	20.00	ND	95	73-127			
4-Chlorotoluene	19.1	2.0	ug/L	20.00	ND	96	73-129			
Dibromochloromethane	18.3	2.0	ug/L	20.00	ND	91	73-118			
1,2-Dibromo-3-chloropropane	18.7	2.0	ug/L	20.00	ND	94	64-121			
1,2-Dibromoethane (EDB)	18.5	2.0	ug/L	20.00	ND	92	77-119			
Dibromomethane	18.4	2.0	ug/L	20.00	ND	92	74-120			
1,2-Dichlorobenzene	19.0	2.0	ug/L	20.00	ND	95	74-123			
1,3-Dichlorobenzene	19.3	2.0	ug/L	20.00	ND	96	72-124			
1,4-Dichlorobenzene	19.4	2.0	ug/L	20.00	ND	97	72-123			

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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

Volatile Organics by EPA 8260D (GC/MS) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIJ0503 - GCMS-WATER-VOLATILES

Matrix Spike (BIJ0503-MS1)

Source: 5101621-04

Prepared & Analyzed: 10/21/25

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dichlorodifluoromethane	18.6	2.0	ug/L	20.00	ND	93	66-138			
1,1-Dichloroethane	18.2	2.0	ug/L	20.00	ND	91	75-129			
1,2-Dichloroethane	19.8	2.0	ug/L	20.00	ND	99	69-121			
1,1-Dichloroethene	17.6	2.0	ug/L	20.00	ND	88	81-129			
cis-1,2-Dichloroethene	17.8	2.0	ug/L	20.00	ND	89	75-126			
trans-1,2-Dichloroethene	17.6	2.0	ug/L	20.00	ND	88	79-125			
Dichlorofluoromethane	18.6	2.0	ug/L	20.00	ND	93	74-133			
1,2-Dichloropropane	17.8	2.0	ug/L	20.00	ND	89	74-127			
1,3-Dichloropropane	19.0	2.0	ug/L	20.00	ND	95	76-124			
2,2-Dichloropropane	17.2	2.0	ug/L	20.00	ND	86	60-118			
1,1-Dichloropropene	18.1	2.0	ug/L	20.00	ND	90	79-130			
cis-1,3-Dichloropropene	18.5	2.0	ug/L	20.00	ND	93	69-119			
trans-1,3-Dichloropropene	18.6	2.0	ug/L	20.00	ND	93	69-117			
Diisopropyl ether (DIPE)	17.7	2.0	ug/L	20.00	ND	88	75-122			
Ethyl tert-butyl ether (ETBE)	17.3	2.0	ug/L	20.00	ND	87	71-124			
Ethylbenzene	19.1	2.0	ug/L	20.00	ND	95	80-128			
Hexachlorobutadiene	17.0	2.0	ug/L	20.00	ND	85	48-127			
2-Hexanone	18.7	10.0	ug/L	20.00	ND	93	45-151			
Isopropylbenzene (Cumene)	18.9	2.0	ug/L	20.00	ND	94	78-131			
4-Isopropyltoluene	19.2	2.0	ug/L	20.00	ND	96	73-131			
Methyl tert-butyl ether (MTBE)	17.7	2.0	ug/L	20.00	ND	88	59-139			
4-Methyl-2-pentanone	19.0	10.0	ug/L	20.00	ND	95	61-132			
Methylene chloride	17.4	10.0	ug/L	20.00	ND	87	69-136			
Naphthalene	19.0	2.0	ug/L	20.00	ND	95	58-130			
n-Propylbenzene	19.2	2.0	ug/L	20.00	ND	96	76-134			
Styrene	19.3	2.0	ug/L	20.00	ND	97	64-135			
1,1,1,2-Tetrachloroethane	18.5	2.0	ug/L	20.00	ND	93	74-120			
1,1,2,2-Tetrachloroethane	19.2	2.0	ug/L	20.00	ND	96	72-125			
Tetrachloroethene	18.8	2.0	ug/L	20.00	ND	94	65-140			
Toluene	18.9	2.0	ug/L	20.00	ND	94	73-131			
1,2,3-Trichlorobenzene	18.9	2.0	ug/L	20.00	ND	94	62-124			
1,2,4-Trichlorobenzene	18.7	2.0	ug/L	20.00	ND	94	60-124			
1,1,1-Trichloroethane	18.6	2.0	ug/L	20.00	ND	93	80-125			
1,1,2-Trichloroethane	18.7	2.0	ug/L	20.00	ND	94	77-122			
Trichloroethene	17.9	2.0	ug/L	20.00	ND	90	77-127			
Trichlorofluoromethane (Freon 11)	21.0	2.0	ug/L	20.00	ND	105	71-139			
1,2,3-Trichloropropane	18.4	2.0	ug/L	20.00	ND	92	68-125			



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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

Volatile Organics by EPA 8260D (GC/MS) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIJ0503 - GCMS-WATER-VOLATILES

Matrix Spike (BIJ0503-MS1)	Source: 5101621-04			Prepared & Analyzed: 10/21/25						
1,2,4-Trimethylbenzene	18.9	2.0	ug/L	20.00	ND	95	75-131			
1,3,5-Trimethylbenzene	18.8	2.0	ug/L	20.00	ND	94	74-130			
Vinyl chloride	17.6	2.0	ug/L	20.00	ND	88	72-135			
o-Xylene	19.7	2.0	ug/L	20.00	ND	99	78-124			
m- & p-Xylenes	37.7	2.0	ug/L	40.00	ND	94	81-128			
Surrogate: 1,2-Dichloroethane-d4	50.61		ug/L	50.00		101	70-130			
Surrogate: Toluene-d8	50.50		ug/L	50.00		101	75-120			
Surrogate: 4-Bromofluorobenzene	50.17		ug/L	50.00		100	75-120			



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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

GASOLINE RANGE ORGANICS BY EPA 8015C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIJ0430 - GC-WATER-VOLATILES

Blank (BIJ0430-BLK1)				Prepared & Analyzed: 10/17/25						
Gasoline-Range Organics	ND	100	ug/L							
Surrogate: <i>a,a,a</i> -Trifluorotoluene [FID]	403		ug/L	400.0		101	85-115			
LCS (BIJ0430-BS1)				Prepared & Analyzed: 10/17/25						
Gasoline-Range Organics	481	100	ug/L	444.0		108	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene [FID]	409		ug/L	400.0		102	85-115			
Duplicate (BIJ0430-DUP1)				Source: 5101621-01		Prepared & Analyzed: 10/17/25				
Gasoline-Range Organics	ND	100	ug/L		ND				20	
Surrogate: <i>a,a,a</i> -Trifluorotoluene [FID]	403		ug/L	400.0		101	85-115			
Matrix Spike (BIJ0430-MS1)				Source: 5101621-02		Prepared & Analyzed: 10/17/25				
Gasoline-Range Organics	1090	100	ug/L	888.0	ND	123	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene [FID]	399		ug/L	400.0		100	85-115			



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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1
Project Manager: DOUG HAMILTON

Reported:
10/27/25 12:04

DIESEL RANGE ORGANICS BY EPA 8015CD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIJ0532 - 3510-GC(Sep Funnel)

Blank (BIJ0532-BLK1)		Prepared: 10/21/25 Analyzed: 10/22/25								
Diesel-Range Organics (C10-C28)	ND	40.0	ug/L							
Surrogate: <i>o</i> -Terphenyl	47.5		ug/L	50.00		95	60-120			
LCS (BIJ0532-BS1)		Prepared: 10/21/25 Analyzed: 10/22/25								
Diesel-Range Organics (C10-C28)	62.4	40.0	ug/L	100.0		62	33-154			
Surrogate: <i>o</i> -Terphenyl	49.5		ug/L	50.00		99	60-120			
Reference (BIJ0532-SRM1)		Prepared: 10/21/25 Analyzed: 10/22/25								
Diesel-Range Organics (C10-C28)	ND	40.0	ug/L	0.000			0-2000			
Surrogate: <i>o</i> -Terphenyl	48.9		ug/L	50.00		98	60-120			

Batch BIJ0565 - 3510-GC(Sep Funnel)

Blank (BIJ0565-BLK1)		Prepared: 10/22/25 Analyzed: 10/23/25								
Diesel-Range Organics (C10-C28)	ND	40.0	ug/L							
Surrogate: <i>o</i> -Terphenyl	42.4		ug/L	50.00		85	60-120			
Blank (BIJ0565-BLK2)		Prepared: 10/22/25 Analyzed: 10/23/25								
Diesel-Range Organics (C10-C28)	ND	40.0	ug/L							
Surrogate: <i>o</i> -Terphenyl	41.8		ug/L	50.00		84	60-120			
LCS (BIJ0565-BS1)		Prepared: 10/22/25 Analyzed: 10/23/25								
Diesel-Range Organics (C10-C28)	101	40.0	ug/L	100.0		101	33-154			
Surrogate: <i>o</i> -Terphenyl	39.7		ug/L	50.00		79	60-120			
LCS (BIJ0565-BS2)		Prepared: 10/22/25 Analyzed: 10/23/25								
Diesel-Range Organics (C10-C28)	107	40.0	ug/L	100.0		107	33-154			
Surrogate: <i>o</i> -Terphenyl	41.6		ug/L	50.00		83	60-120			



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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1

Project Manager: DOUG HAMILTON

Reported:

10/27/25 12:04

DIESEL RANGE ORGANICS BY EPA 8015CD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BIJ0565 - 3510-GC(Sep Funnel)

Reference (BIJ0565-SRM1)

Prepared: 10/22/25 Analyzed: 10/23/25

Diesel-Range Organics (C10-C28)	ND	40.0	ug/L	0.000			0-2000			
Surrogate: <i>o</i> -Terphenyl	45.3		ug/L	50.00		91	60-120			



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Analytical Results

Project: SMO HANOVER

Project Number: 190292.1

Project Manager: DOUG HAMILTON

Reported:

10/27/25 12:04

Notes and Definitions

- S-FAIL Surrogate recovery was outside of established QC limits
- S-98 Spike recovery of this analyte is outside established laboratory control limits. Sample results may exhibit a bias.
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
- RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified with a sample qualifier.
- ND Analyte NOT DETECTED at or above the detection limit
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- %-Solids Percent Solids is a supportive test and as such does not require accreditation

If this report contains any samples analyzed for gasoline range organics (GRO) by EPA Method 8015C and no trip blank was shipped, stored, and received with the sample(s) as required by Section 3.1 of the EPA Method, the sample analysis contained in this report cannot exclude the possibility that any reportable GRO measurement was due to environmental contamination of the sample during shipping or storage.



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Company Name: ARM Group LLC		Project Manager: Douglas Hamilton		Analysis Requested										CHAIN-OF-CUSTODY RECORD				
Project Name: SMO Hanover		Project ID: 190292.1		VOCs 8260 + Oxygenates & TMBs GRO 8015 DRO 8015										Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 * Fax 410-247-7602 reporting@mdspectral.com				
Sampler(s): Abram Jeremenko		P.O. Number:												Matrix Codes: NPW - non-potable water DW - drinking water				
State of Origin: Maryland														Preservative	Field Notes	MSS Lab ID		
Field Sample ID:	Date	Time	DW	NPW	Soil	Other	Grab	Composite	# of containers									
MW-12	10/16/25	9:37		X			X		5	X	X	X					HCL, none	5101621-01
MW-1	10/16/25	10:07		X			X		5	X	X	X					HCL, none	-02
MW-16	10/16/25	10:38		X			X		5	X	X	X					HCL, none	-03
MW-4	10/16/25	11:00		X			X		5	X	X	X					HCL, none	-04
MW-9	10/16/25	11:30		X			X		5	X	X	X					HCL, none	-05
MW-18	10/16/25	12:16		X			X		5	X	X	X					HCL, none	-06
MW-17	10/16/25	13:04		X			X		5	X	X	X					HCL, none	-07
Relinquished by: (Signature) <i>Abram Jeremenko</i>		Date / Time 10/16/25	Relinquished by: (Signature)		Please indicate if any of the following certifications are required:										<input type="checkbox"/> Virginia VELAP <input type="checkbox"/> Pennsylvania NELAP <input type="checkbox"/> West Virginia DEP		<input type="checkbox"/> MD Drinking Water <input type="checkbox"/> VA Drinking Water <input type="checkbox"/> Other _____	
(Printed) Abram Jeremenko		14:34	(Printed)		Turn Around Time:										Delivery Method:		Lab Use:	
Relinquished by: (Signature) <i>Rachel Horner</i>		Date / Time 10/16/25	Received by lab: (Signature) <i>Rachel Horner</i>		<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____										<input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> Fed Ex <input type="checkbox"/> USPS <input type="checkbox"/> Other _____		Temp: <u>4.8-0.1</u> °C <input checked="" type="checkbox"/> Received on Ice <input type="checkbox"/> Received Same Day <input checked="" type="checkbox"/> T-41 <input type="checkbox"/> T-45	
(Printed)		14:34	(Printed) Rachel Horner		Special Instructions / QC Requirements & Comments:										Sample Disposal:		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for ___ days	

APPENDIX E

SUMMARY OF OXYGENATE CONCENTRATIONS IN GROUNDWATER SAMPLES



SUMMARY OF OXYGENATE CONCENTRATIONS IN GROUNDWATER SAMPLES																						
Well	Date	TAME	TBA	EE	ETBE	DIPE	MTBE	135-TMB	124-TMB	Ethanol	Well	Date	TAME	TBA	EE	ETBE	DIPE	MTBE	135-TMB	124-TMB	Ethanol	
		All Concentrations Expressed in Micrograms per Liter (µg/l) Units											All Concentrations Expressed in Micrograms per Liter (µg/l) Units									
MW1	Sep-19	<1	<5	<1	<1	<1	<1	<1	<1	<200	MW10	Sep-19	2.4	5.4	<1	<1	7.6	1.6	<1	<1	<1	<200
	Dec-19	<1	<5	<1	<1	<1	<1	<1	<1	na		Dec-19	2.4	7.4	<1	<1	<1	1.6	<1	<1	na	
	Mar-20	<1	<5	<1	<1	<1	<1	<1	<1	<200		Mar-20	2.3	13.8	<1	<1	13.3	1.9	22.5	114.0	<200	
	May-20	<1	<5	<1	<1	<1	<1	<1	1.1	<200		May-20	2.9	5.3	<1	<1	17.4	2.3	39.1	297.0	<200	
	Aug-20	<1	<5	<1	<1	na	<1	<1	1.1	na		Aug-20	3.6	10.1	<1	<1	na	3.5	82.0	513.0	na	
	Nov-20	<1	<5	<1	<1	na	<1	na	na	na		Nov-20	<1	<5	<1	<1	na	3.5	na	na	na	
	Feb-21	<1	<5	<1	<1	na	<1	na	na	na		Feb-21	3.1	21.1	<1	<1	na	4.0	na	na	na	
	Apr-21	<1	<5	<1	<1	na	<1	na	na	<200		Apr-21	5.0	10.0	<1	<1	na	4.4	na	na	<200	
	Jul-21	<1	<5	<1	<1	na	<1	na	na	<200		Jul-21	5.1	<5	<1	<1	na	4.0	na	na	<200	
	Oct-21	<1	27.6	<1	<1	na	<1	na	na	na		Oct-21	5.3	<5	<1	<1	na	4.1	na	na	na	
	Apr-22	<1	<5	<1	<1	na	<1	<1	<1	<200		Apr-22	1.4*	22.0	<5	<5	na	1.6	2.5	2.5	<1000	
	Jul-22	<1	<50	na	<1	na	<1	<1	<1	<200		Jul-22	2.4	<50	na	<1	na	2.0	90.3	392.0	<200	
	Nov-23	<1	<50	<1	<1	na	<1	<1	<1	<200		Nov-23	<1	<5	<1	<1	<1	<1	<1	<1	<1	
	Feb-23	<1	<50	<1	<1	na	<1	<1	<1	na		Feb-23	<1	<5	<1	<1	<1	<1	<1	<1	<1	
	May-23	<1	<50	<1	<1	na	<1	<1	<1	na		May-23	<1	<5	<1	<1	<1	<1	<1	<1	<1	
	Sep-23	<1	<50	<1	<1	na	<1	na	na	na		Sep-23	<1	<50	<1	<1	na	<1	<1	6.6	47.0	na
	Dec-23	<1	<50	<1	<1	na	<1	na	na	na		Dec-23	<1	<50	<1	<1	na	<1	<1	<1	<1	<1
	Mar-24	<1	<50	<1	<1	na	<1	na	na	na		Mar-24	<1	<50	<1	<1	na	<1	<1	<1	<1	<1
	Jun-24	<1	<50	<1	<1	na	<1	<1	<1	<200		Jun-24	<1	<50	<1	<1	na	<1	<1	<1	<1	<1
	Oct-24	<1	<50	<1	<1	na	<1	<1	<1	<200		Oct-24	<1	<50	<1	<1	na	<1	<1	<1	<1	<1
	Jan-25	<1	<50	<1	<1	na	<1	<1	<1	<200		Jan-25	<1	<50	<1	<1	na	<1	<1	<1	<1	<1
	Apr-25	<1	<15	na	<1	<1	<1	<1	<1	na		Apr-25	<1	<15	na	<1	<1	<1	<1	<1	<1	na
	Jul-25	<1	<15	na	<1	<1	<1	<1	<1	na		Jul-25	<1	<15	na	<1	<1	<1	<1	<1	<1	na
	Oct-25	<1	<15	na	<1	<1	<1	<1	<1	na		Oct-25	<1	<15	na	<1	<1	<1	<1	<1	<1	na
	Nov-22	WELL INACCESSIBLE BECAUSE OF UST CLOSURE EQUIPMENT										Nov-22	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1
Dec-19	<1	<5	<1	<1	<1	<1	<1	<1	na	Dec-19	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1		
Mar-20	<1	<5	<1	<1	<1	<1	<1	<1	<200	Mar-20	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1		
May-20	<1	<5	<1	<1	<1	<1	<1	<1	<200	May-20	<1	<5	<1	<1	na	<1	<1	<1	<1	<1		
Aug-20	<1	<5	<1	<1	na	<1	<1	1.1	na	Aug-20	<1	<5	<1	<1	na	<1	<1	<1	<1	na		
Nov-20	<1	<5	<1	<1	na	<1	na	na	na	Nov-20	<1	<5	<1	<1	na	<1	<1	<1	<1	na		
Feb-21	<1	<5	<1	<1	na	<1	na	na	na	Feb-21	<1	<5	<1	<1	na	<1	<1	<1	<1	<1		
Apr-21	<1	<5	<1	<1	na	<1	na	na	<200	Apr-21	<1	<5	<1	<1	na	<1	<1	<1	<1	<1		
Jul-21	<1	<5	<1	<1	na	<1	na	na	<200	Jul-21	<1	<5	<1	<1	na	<1	<1	<1	<1	<1		
Oct-21	<1	<5	<1	<1	na	<1	na	na	na	Oct-21	<1	<5	<1	<1	na	<1	<1	<1	<1	<1		
Apr-22	<1	<15	na	<1	<1	<1	<1	<1	na	Apr-22	<1	<15	na	<1	<1	<1	<1	<1	<1	na		
Jul-22	<1	<50	na	<1	na	<1	<1	<1	<200	Jul-22	<1	<50	na	<1	na	<1	<1	<1	<1	<1		
Nov-22	WELL INACCESSIBLE BECAUSE OF UST CLOSURE EQUIPMENT										Nov-22	<1	<50	na	<1	na	<1	<1	<1	<1	<1	
Feb-23	<1	<50	<1	<1	na	<1	<1	<1	na	Feb-23	<1	<50	<1	<1	na	<1	<1	<1	<1	<1		
May-23	<1	<50	<1	<1	na	<1	<1	<1	<200	May-23	<1	<50	<1	<1	na	<1	<1	<1	<1	<1		
Sep-23	<1	<5	<1	<1	na	<1	na	na	na	Sep-23	<1	<50	<1	<1	na	<1	<1	<1	<1	na		
Dec-23	<1	<50	<1	<1	na	<1	na	na	na	Dec-23	<1	<50	<1	<1	na	<1	<1	<1	<1	na		
Mar-24	<1	<50	<1	<1	na	<1	na	na	na	Mar-24	<1	<50	<1	<1	na	<1	<1	<1	<1	na		
Jun-24	<1	<50	<1	<1	na	<1	<1	<1	<200	Jun-24	<1	<50	<1	<1	na	<1	<1	<1	<1	<1		
Oct-24	<1	<50	<1	<1	na	<1	<1	<1	<200	Oct-24	<1	<50	<1	<1	na	<1	<1	<1	<1	<1		
Jan-25	<1	<50	<1	<1	na	<1	<1	<1	<200	Jan-25	<1	<50	<1	<1	na	<1	<1	<1	<1	<1		
Apr-25	<1	<15	na	<1	<1	<1	<1	<1	na	Apr-25	<1	<15	na	<1	<1	<1	<1	<1	<1	na		
Jul-25	<1	<15	na	<1	<1	<1	<1	<1	na	Jul-25	<1	<15	na	<1	<1	<1	<1	<1	<1	na		
Oct-25	<1	<15	na	<1	<1	<1	<1	<1	na	Oct-25	<1	<15	na	<1	<1	<1	<1	<1	<1	na		
Nov-22	WELL INACCESSIBLE BECAUSE OF UST CLOSURE EQUIPMENT										Nov-22	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	
Feb-23	<1	<50	<1	<1	na	<1	<1	<1	na	Feb-23	<1	<50	<1	<1	na	<1	<1	<1	<1	na		
May-23	<1	<50	<1	<1	na	<1	<1	<1	na	May-23	<1	<50	<1	<1	na	<1	<1	<1	<1	na		
Sep-23	<1	<50	<1	<1	na	<1	na	na	na	Sep-23	<1	<50	<1	<1	na	<1	<1	<1	<1	na		
Dec-23	<1	<50	<1	<1	na	<1	na	na	na	Dec-23	<1	<50	<1	<1	na	<1	<1	<1	<1	na		
Mar-24	<1	<50	<1	<1	na	<1	na	na	na	Mar-24	<1	<50	<1	<1	na	<1	<1	<1	<1	na		
Jun-24	<1	<50	<1	<1	na	<1	<1	<1	<200	Jun-24	<1	<50	<1	<1	na	<1	<1	<1	<1	<1		
Oct-24	<1	<50	<1	<1	na	<1	<1	<1	<200	Oct-24	<1	<50	<1	<1	na	<1	<1	<1	<1	<1		
Jan-25	<1	<50	<1	<1	na	<1	<1	<1	<200	Jan-25	<1	<50	<1	<1	na	<1	<1	<1	<1	<1		
Apr-25	<1	<15	na	<1	<1	<1	<1	<1	na	Apr-25	<1	<15	na	<1	<1	<1	<1	<1	<1	na		
Jul-25	<1	<15	na	<1	<1	<1	<1	<1	na	Jul-25	<1	<15	na	<1	<1	<1	<1	<1	<1	na		
Oct-25	<1	<15	na	<1	<1	<1	<1	<1	na	Oct-25	<1	<15	na	<1	<1	<1	<1	<1	<1	na		
Nov-22	WELL INACCESSIBLE BECAUSE OF UST CLOSURE EQUIPMENT										Nov-22	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	
Feb-23	<1	<50	<1	<1	na	<1	<1	<1	na	Feb-23	<1	<50	<1	<1	na	<1	<1	<1	<1	na		
May-23	<1	<50	<1	<1	na	<1	<1	<1	na	May-23	<1	<50	<1	<1	na	<1	<1	<1	<1	na		
Sep-23	<1	<50	<1	<1	na	<1	na	na	na	Sep-23	<1	<50	<1	<1	na	<1	<1	<1	<1			

APPENDIX F

MANN-KENDALL ANALYSES & GRAPHS



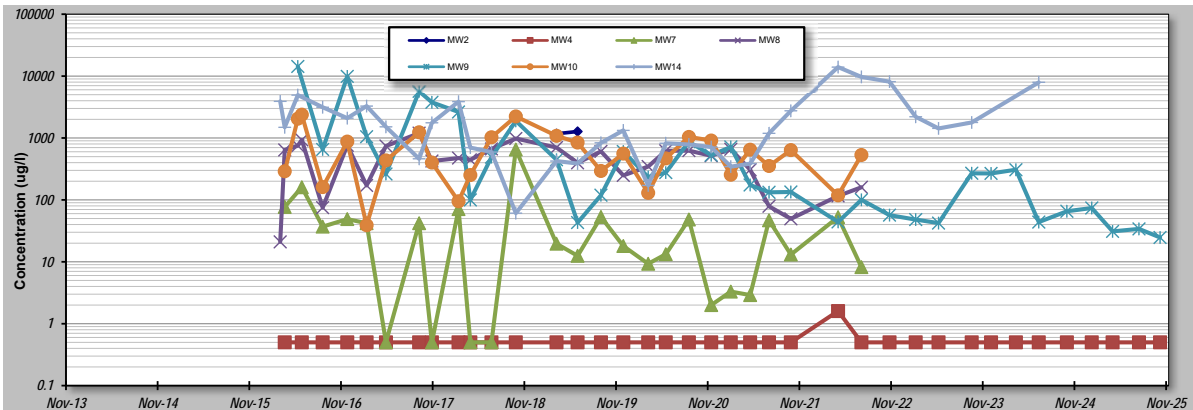
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	Job ID: 190292M
Facility Name: SMO Hanover	Constituent: VOC
Conducted By: Doug Hamilton/ARM Group	Concentration Units: ug/l

Sampling Point ID:	MW2	MW4	MW7	MW8	MW9	MW10	MW14
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Sampling Event	Sampling Date	VOC CONCENTRATION (ug/l)						
		MW2	MW4	MW7	MW8	MW9	MW10	MW14
1	14-Mar-16				21			3902
2	1-Apr-16		0.5	77	641		290	1486
3	23-May-16				752	14283	2050	4930
4	8-Jun-16		0.5	160	930		2380	
5	30-Aug-16		0.5	37	75	652	161	3136
6	6-Dec-16		0.5	49	761	9900	875	2090
7	21-Feb-17		0.5	42	171	1050	39	3280
8	9-May-17		0.5	0.5	742	262	434	1513
9	18-Sep-17		0.5	42	1198	5670	1236	461
10	8-Nov-17		0.5	0.5	424	3769	401	1756
11	22-Feb-18		0.5	71	474	2633	95	3860
12	10-Apr-18		0.5	0.5	444	100	252	699
13	3-Jul-18		0.5	0.5	666	490	1026	593
14	8-Oct-18		0.5	651	981	1890	2228	61
15	19-Mar-19	1171	0.5	19.6	702	445	1084	424
16	11-Jun-19	1273	0.5	12.5	397	43	844	387
17	12-Sep-19		0.5	53	608	119	293	835
18	10-Dec-19		0.5	18	249	605	560	1326
19	18-Mar-20		0.5	9.3	346	234	130	171
20	27-May-20		0.5	13.27	621	276	468	821
21	27-Aug-20		0.5	48.2	625	871	1040	787
22	24-Nov-20		0.5	2	517	527	910	714
23	10-Feb-21		0.5	3.3	656	717	255	345
24	28-Apr-21		0.5	2.9	307	174	647	385
25	12-Jul-21		0.5	46.8	78.9	132.6	353	1188
26	7-Oct-21		0.5	13.1	49.5	134.2	637	2748
27	13-Apr-22		1.6	52.7	115.8	44.1	118.4	13979
28	15-Jul-22		0.5	8.2	159.78	100.3	531	9700
29	4-Nov-22		0.5			56.7		8129
30	16-Feb-23		0.5			48.1		2201
31	18-May-23		0.5			42.2		1428
32	27-Sep-23		0.5			269.1		1781
33	13-Dec-23		0.5			267.7		
34	21-Mar-24		0.5			307.4		
35	20-Jun-24		0.5			43.8		7932
36	10-Oct-24		0.5			65.5		
37	17-Jan-25		0.5			74		
38	10-Apr-25		0.5			31		
39	24-Jul-25		0.5			34		
40	16-Oct-25		0.5			24.7		

Coefficient of Variation:	0.06	0.34	2.29	0.63	2.32	0.89	1.23
Mann-Kendall Statistic (S):	1	11	-56	-98	-384	-33	4
Confidence Factor:		55.0%	88.6%	97.3%	>99.9%	74.6%	51.9%
Concentration Trend:		No Trend	No Trend	Decreasing	Decreasing	Stable	No Trend



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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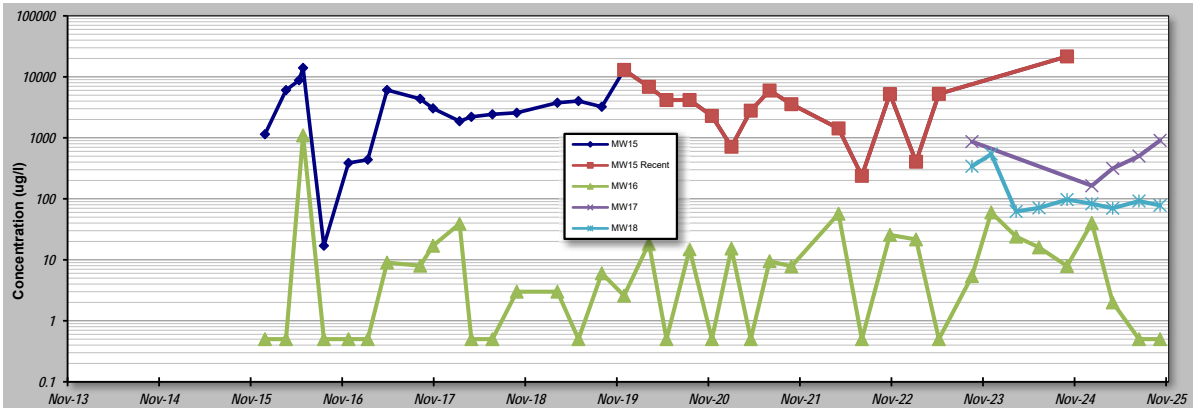
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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	Job ID: 190292M
Facility Name: SMO Hanover	Constituent: VOC
Conducted By: Doug Hamilton/ARM Group	Concentration Units: ug/l

Sampling Point ID:	MW15	MW15 Recent	MW16	MW17	MW18		
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Sampling Event	Sampling Date	VOC CONCENTRATION (ug/l)					
		MW15	MW15 Recent	MW16	MW17	MW18	
1	8-Jan-16	1144		0.5			
2	1-Apr-16	6053		0.5			
3	23-May-16	8792					
4	8-Jun-16	14023		1096			
5	30-Aug-16	17		0.5			
6	6-Dec-16	387		0.5			
7	21-Feb-17	438		0.5			
8	9-May-17	6079		9			
9	18-Sep-17	4350		8			
10	8-Nov-17	3039		17			
11	22-Feb-18	1871		39			
12	10-Apr-18	2207		0.5			
13	3-Jul-18	2429		0.5			
14	8-Oct-18	2574		3			
15	19-Mar-19	3760		3			
16	11-Jun-19	4015		0.5			
17	12-Sep-19	3230		6			
18	10-Dec-19	12987	12987	2.58			
19	18-Mar-20	6849	6849	18.6			
20	27-May-20	4158	4158	0.5			
21	27-Aug-20	4166	4166	14.9			
22	24-Nov-20	2285	2285	0.5			
23	10-Feb-21	714	714	15.3			
24	28-Apr-21	2788	2788	0.5			
25	12-Jul-21	5960	5960	9.5			
26	7-Oct-21	3563	3563	7.8			
27	13-Apr-22	1425	1425	56.9			
28	15-Jul-22	238	238	0.5			
29	4-Nov-22	5217	5217	25.6			
30	16-Feb-23	405	405	21.6			
31	18-May-23	5250	5250	0.5			
32	27-Sep-23			5.4	866	341	
33	13-Dec-23			59.8		541	
34	21-Mar-24			24		62	
35	20-Jun-24			16		71	
36	10-Oct-24	21600	21600	7.9		97	
37	17-Jan-25			40.3	163.8	83	
38	10-Apr-25			2	315	70	
39	24-Jul-25			0.5	503	92	
40	16-Oct-25			0.5	908	78	
Coefficient of Variation:	1.03	1.08	4.48	0.60	1.05		
Mann-Kendall Statistic (S):	28	-15	107	4	-8		
Confidence Factor:	66.8%	75.2%	89.9%	75.8%	76.2%		
Concentration Trend:	No Trend	No Trend	No Trend	No Trend	No Trend		



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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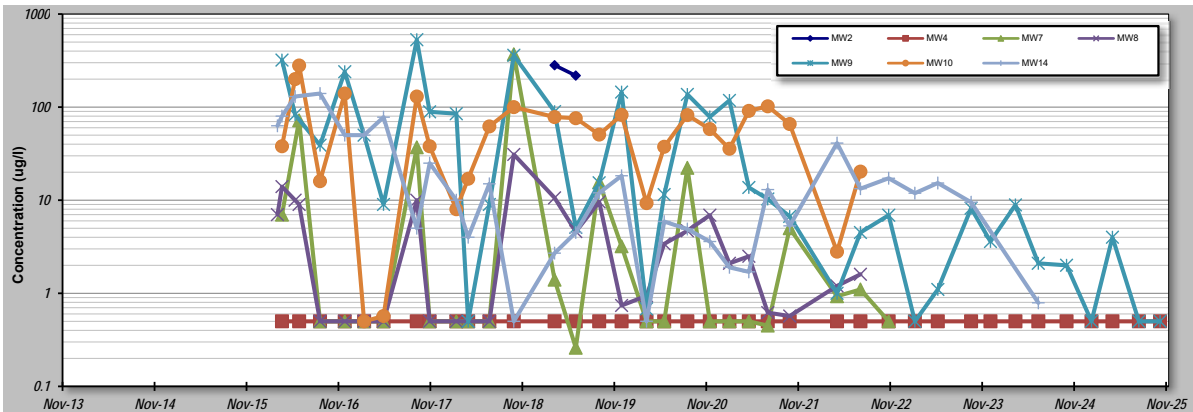
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	Job ID: 190292M
Facility Name: SMO Hanover	Constituent: BENZENE
Conducted By: Doug Hamilton/ARM Group	Concentration Units: ug/l

Sampling Point ID:	MW2	MW4	MW7	MW8	MW9	MW10	MW14
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Sampling Event	Sampling Date	BENZENE CONCENTRATION (ug/l)						
		MW2	MW4	MW7	MW8	MW9	MW10	MW14
1	14-Mar-16				7			63
2	1-Apr-16		0.5	7	14	320	38	80
3	23-May-16				10	83	200	130
4	8-Jun-16		0.5	72	9		280	
5	30-Aug-16		0.5	0.5	0.5	39	16	140
6	6-Dec-16		0.5	0.5	0.5	240	140	50
7	21-Feb-17		0.5	0.5	0.5	50	0.5	50
8	9-May-17		0.5	0.5	0.5	9	0.57	78
9	18-Sep-17		0.5	37	10	530	130	5
10	8-Nov-17		0.5	0.5	0.5	89	38	25
11	22-Feb-18		0.5	0.5	0.5	85	8	10
12	10-Apr-18		0.5	0.5	0.5	0.5	17	4
13	3-Jul-18		0.5	0.5	0.5	9	62	15
14	8-Oct-18		0.5	370	31	360	100	0.5
15	19-Mar-19	282	0.5	1.4	10.6	89.5	78.2	2.7
16	11-Jun-19	218	0.5	0.26	4.6	5.1	76	4.5
17	12-Sep-19		0.5	15.6	9.6	15.4	50.7	12
18	10-Dec-19		0.5	3.2	0.74	145	82.6	18.3
19	18-Mar-20		0.5	0.5	0.94	0.68	9.3	0.5
20	27-May-20		0.5	0.5	3.4	11.5	37.5	5.9
21	27-Aug-20		0.5	22.3	4.7	137	82.1	4.9
22	24-Nov-20		0.5	0.5	6.9	78.5	58.1	3.6
23	10-Feb-21		0.5	0.5	2.1	118	35.7	1.9
24	28-Apr-21		0.5	0.5	2.5	13.7	91.1	1.7
25	12-Jul-21		0.5	0.45	0.62	10.3	102	13
26	7-Oct-21		0.5	5	0.57	6.7	65.8	5.3
27	13-Apr-22		0.5	0.93	1.2	1	2.8	41.1
28	15-Jul-22		0.5	1.1	1.6	4.5	20.3	13.3
29	4-Nov-22		0.5	0.5		6.9		17.2
30	16-Feb-23		0.5			0.5		11.9
31	18-May-23		0.5			1.1		15.3
32	27-Sep-23		0.5			8.2		9.5
33	13-Dec-23		0.5			3.6		
34	21-Mar-24		0.5			8.9		
35	20-Jun-24		0.5			2.1		0.8
36	10-Oct-24		0.5			2		
37	17-Jan-25		0.5			0.5		
38	10-Apr-25		0.5			4		
39	24-Jul-25		0.5			0.5		
40	16-Oct-25		0.5			0.5		

Coefficient of Variation:	0.18	0.00	3.56	1.36	1.78	0.95	1.39
Mann-Kendall Statistic (S):	-1	0	-26	-15	-358	-22	-158
Confidence Factor:		49.5%	69.7%	60.8%	>99.9%	66.8%	99.5%
Concentration Trend:		Stable	No Trend	No Trend	Decreasing	Stable	Decreasing



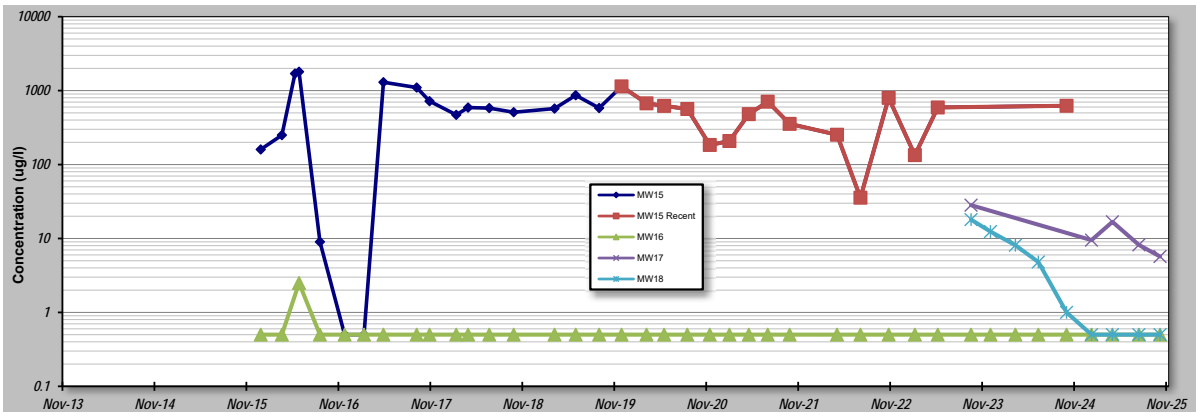
- Notes:**
- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	Job ID: 190292M
Facility Name: SMO Hanover	Constituent: BENZENE
Conducted By: Doug Hamilton/ARM Group	Concentration Units: ug/l

Sampling Point ID:		MW15	MW15 Recent	MW16	MW17	MW18		
Sampling Event	Sampling Date	BENZENE CONCENTRATION (ug/l)						
1	8-Jan-16	160		0.5				
2	1-Apr-16	250		0.5				
3	23-May-16	1700						
4	8-Jun-16	1800		2.5				
5	30-Aug-16	9		0.5				
6	6-Dec-16	0.5		0.5				
7	21-Feb-17	0.5		0.5				
8	9-May-17	1300		0.5				
9	18-Sep-17	1100		0.5				
10	8-Nov-17	720		0.5				
11	22-Feb-18	470		0.5				
12	10-Apr-18	590		0.5				
13	3-Jul-18	580		0.5				
14	8-Oct-18	510		0.5				
15	19-Mar-19	572		0.5				
16	11-Jun-19	865		0.5				
17	12-Sep-19	581		0.5				
18	10-Dec-19	1140	1140	0.5				
19	18-Mar-20	673	673	0.5				
20	27-May-20	622	622	0.5				
21	27-Aug-20	564	564	0.5				
22	24-Nov-20	184	184	0.5				
23	10-Feb-21	208	208	0.5				
24	28-Apr-21	481	481	0.5				
25	12-Jul-21	708	708	0.5				
26	7-Oct-21	355	355	0.5				
27	13-Apr-22	253	253	0.5				
28	15-Jul-22	35.6	35.6	0.5				
29	4-Nov-22	798	798	0.5				
30	16-Feb-23	134	134	0.5				
31	18-May-23	592	592	0.5				
32	27-Sep-23			0.5	28.2	18		
33	13-Dec-23			0.5		12.4		
34	21-Mar-24			0.5		8.1		
35	20-Jun-24			0.5		4.8		
36	10-Oct-24	624	624	0.5		1		
37	17-Jan-25			0.5	9.5	0.5		
38	10-Apr-25			0.5	16.8	0.5		
39	24-Jul-25			0.5	8.2	0.5		
40	16-Oct-25			0.5	5.7	0.5		
Coefficient of Variation:	0.78	0.60	0.58	0.67	1.25			
Mann-Kendall Statistic (S):	-33	-21	-34	-8	-30			
Confidence Factor:	69.7%	83.6%	65.5%	95.8%	100.0%			
Concentration Trend:	Stable	Stable	Stable	Decreasing	Decreasing			



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

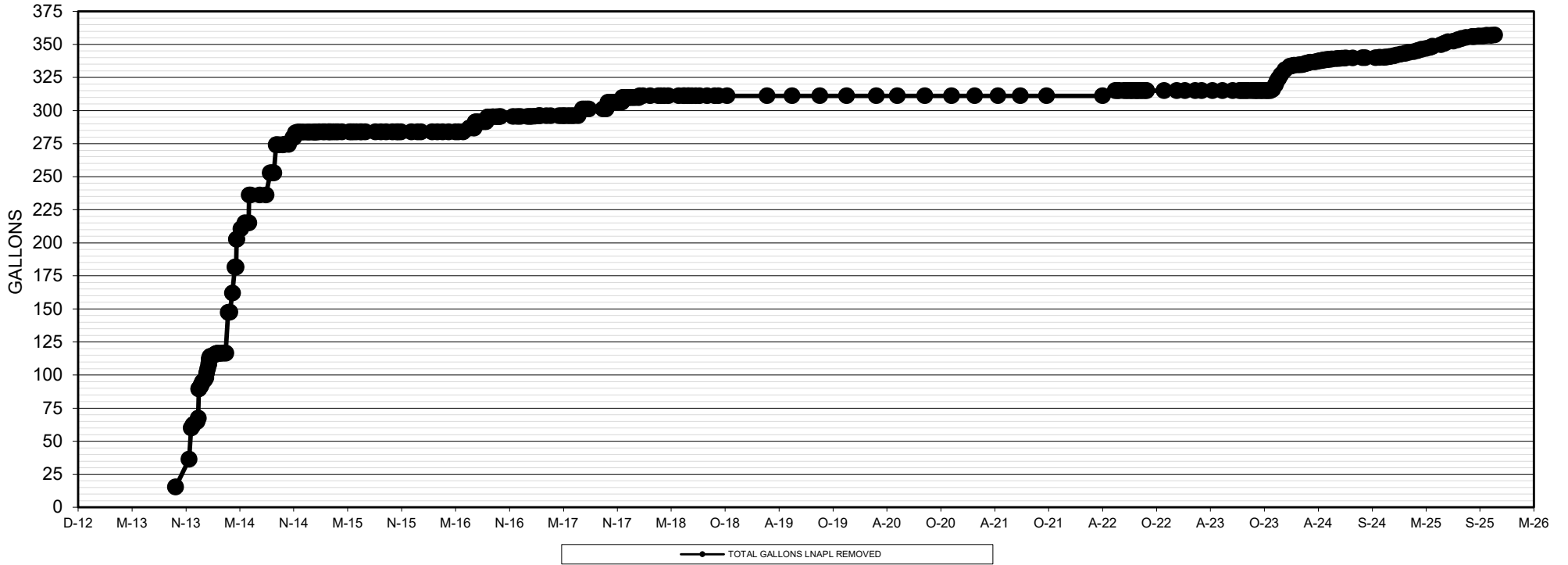
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APPENDIX G

PETROLEUM RECOVERY GRAPH & DATABASE



TOTAL GALLONS OF LNAPL REMOVED



Date	Original LNAPL Thickness	LNAPL Thickness in Bailer (inches)															Total	Feet	Gal Rem'vd	Cum.
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th				
08/29/16		Vacuum Truck EFR - Assumes =1/2% Total Volume Removed is LNAPL															0.0	0.0	679.00	290.26
08/30/16	0.02																0.0	0.0	0.03	290.29
09/06/16	0.04																0.0	0.0	0.05	290.34
09/15/16	0.08																0.1	0.1	0.10	290.45
09/28/16	0.02																0.0	0.0	0.03	290.47
10/05/16	0.01																0.0	0.0	0.01	290.49
10/11/16	0.08																0.1	0.1	0.10	290.59
11/22/16	0.01																0.0	0.0	0.01	290.60
12/06/16	0.00																0.0	0.0	0.00	290.60
12/16/16	0.00																0.0	0.0	0.00	290.60
01/09/17	0.00																0.0	0.0	0.00	290.60
01/16/17	0.05																0.0	0.0	0.07	290.67
01/23/17	0.06																0.1	0.1	0.08	290.75
02/03/17	0.04																0.0	0.0	0.05	290.80
02/15/17		Vacuum Truck EFR - Assumes =1/2% Total Volume Removed is LNAPL															0.0	0.0	100.00	291.30
02/17/17	0.00																0.0	0.0	0.00	291.30
02/21/17	0.00																0.0	0.0	0.00	291.30
03/13/17	0.01																0.0	0.0	0.01	291.31
03/27/17	0.02																0.0	0.0	0.03	291.34
04/24/17	0.00																0.0	0.0	0.00	291.34
05/01/17	0.00																0.0	0.0	0.00	291.34
05/09/17	0.00																0.0	0.0	0.00	291.34
05/12/17	0.00																0.0	0.0	0.00	291.34
05/23/17	0.00																0.0	0.0	0.00	291.34
05/30/17	0.00																0.0	0.0	0.00	291.34
06/07/17	0.00																0.0	0.0	0.00	291.34
06/13/17	0.00																0.0	0.0	0.00	291.34
06/27/17	0.00																0.0	0.0	0.00	291.34
07/11/17		Vacuum Truck EFR - Assumes =1/2% Total Volume Removed is LNAPL															0.0	0.0	1020.00	296.44
07/19/17	0.00																0.0	0.0	0.00	296.44
07/27/17	0.00																0.0	0.0	0.00	296.44
08/02/17	0.00																0.0	0.0	0.00	296.44
09/18/17	0.00																0.0	0.0	0.00	296.44
09/29/17	0.00																0.0	0.0	0.00	296.44
10/05/17		Vacuum Truck EFR - Assumes =1/2% Total Volume Removed is LNAPL															0.0	0.0	1020.00	301.54
10/09/17	0.00																0.0	0.0	0.00	301.54
10/16/17	0.00																0.0	0.0	0.00	301.54
10/25/17	0.00																0.0	0.0	0.00	301.54
11/02/17	0.00																0.0	0.0	0.00	301.54
11/08/17	0.00																0.0	0.0	0.00	301.54
11/20/17	0.00																0.0	0.0	0.00	301.54
11/22/17		Vacuum Truck EFR - Assumes =1/2% Total Volume Removed is LNAPL															0.0	0.0	680.00	304.94
11/27/17	0.00																0.0	0.0	0.00	304.94
12/08/17	0.00																0.0	0.0	0.00	304.94
12/13/17	0.00																0.0	0.0	0.00	304.94
12/22/17	0.00																0.0	0.0	0.00	304.94
01/02/18	0.00																0.0	0.0	0.00	304.94
01/15/18	0.00																0.0	0.0	0.00	304.94
01/18/18		Vacuum Truck EFR - Assumes =1/2% Total Volume Removed is LNAPL															0.0	0.0	294.00	306.41
01/29/18	0.00																0.0	0.0	0.00	306.41
02/22/18	0.00																0.0	0.0	0.00	306.41
03/22/18	0.00																0.0	0.0	0.00	306.41
03/30/18	0.00																0.0	0.0	0.00	306.41
04/10/18	0.00																0.0	0.0	0.00	306.41
04/24/18	0.00																0.0	0.0	0.00	306.41
05/29/18	0.00																0.0	0.0	0.00	306.41
06/13/18	0.00																0.0	0.0	0.00	306.41
06/18/18	0.00																0.0	0.0	0.00	306.41
06/28/18	0.00																0.0	0.0	0.00	306.41
07/03/18	0.00																0.0	0.0	0.00	306.41
07/12/18	0.00																0.0	0.0	0.00	306.41
07/25/18	0.00																0.0	0.0	0.00	306.41
08/06/18	0.00																0.0	0.0	0.00	306.41
08/31/18	0.00																0.0	0.0	0.00	306.41
09/26/18	0.00																0.0	0.0	0.00	306.41
10/08/18	0.00																0.0	0.0	0.00	306.41
11/06/18	0.00																0.0	0.0	0.00	306.41
03/19/19	0.00																0.0	0.0	0.00	306.41
06/11/19	0.00																0.0	0.0	0.00	306.41
09/12/19	0.00																0.0	0.0	0.00	306.41
12/10/19	0.00																0.0	0.0	0.00	306.41
03/18/20	0.00																0.0	0.0	0.00	306.41
05/27/20	0.00																0.0	0.0	0.00	306.41
08/27/20	0.00																0.0	0.0	0.00	306.41
11/24/20	0.00																0.0	0.0	0.00	306.41
02/10/21	0.00																0.0	0.0	0.00	306.41
04/28/21	0.00																0.0	0.0	0.00	306.41
07/12/21	0.00																0.0	0.0	0.00	306.41
10/07/21	0.00																0.0	0.0	0.00	306.41
04/13/22	0.00																0.0	0.0	0.00	306.41
05/25/22	0.00																0.0	0.0	0.00	306.41
06/07/22	0.00																0.0	0.0	0.00	306.41
06/17/22	0.00																0.0	0.0	0.00	306.41
06/22/22	0.00																0.0	0.0	0.00	306.41
06/30/22	0.00																0.0	0.0	0.00	306.41
07/06/22	0.00																0.0	0.0	0.00	306.41
07/15/22	0.00																0.0	0.0	0.00	306.41
07/20/22	0.00																0.0	0.0	0.00	306.41
07/29/22	0.00																0.0	0.0	0.00	306.41
08/04/22	0.00																0.0	0.0	0.00	306.41
08/09/22	0.00																0.0	0.0	0.00	306.41
08/17/22	0.00																0.0	0.0	0.00	306.41
08/24/22	0.00																0.0	0.0	0.00	306.41
09/01/22	0.00																			

Date	Original LNAPL Thickness	LNAPL Thickness in Bailer (inches)														Total	Feet	Gal Rem'vd	Cum.	
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th					15th
11/22/23	0.00																0.1	0.1	0.64	306.43
11/29/23	0.00																0.0	0.0	0.57	306.43
12/13/23	0.00																0.1	0.1	0.90	306.44
12/29/23	0.00																0.1	0.1	0.97	306.44
01/05/24	0.00																0.1	0.1	0.46	306.45
01/12/24	0.00																0.1	0.1	0.48	306.45
01/26/24	0.00																0.2	0.2	0.49	306.45
02/02/24	0.00																0.2	0.2	0.73	306.46
02/08/24	0.00																0.2	0.2	0.41	306.46
02/16/24	0.00																0.3	0.3	0.48	306.93
02/22/24	0.00																0.2	0.2	0.30	307.24
02/29/24	0.00																0.2	0.2	0.26	307.50
03/05/24	0.00																0.2	0.2	0.27	307.77
03/21/24	0.00																0.1	0.1	0.24	308.02
03/29/24	0.00																0.2	0.2	0.25	308.27
04/05/24	0.00																0.2	0.2	0.27	308.54
04/12/24	0.00																0.2	0.2	0.33	308.88
04/19/24	0.00																0.2	0.2	0.29	309.17
04/26/24	0.00																0.1	0.1	0.20	309.37
05/02/24	0.00																0.2	0.2	0.22	309.60
05/09/24	0.00																0.1	0.1	0.20	309.80
05/16/24	0.00																0.1	0.1	0.18	309.98
05/31/24	0.00																0.1	0.1	0.20	310.18
06/07/24	0.00																0.1	0.1	0.14	310.32
06/13/24	0.00																0.1	0.1	0.12	310.44
06/20/24	0.00																0.1	0.1	0.13	310.56
06/27/24	0.00																0.1	0.1	0.11	310.67
07/03/24	0.00																0.1	0.1	0.09	310.76
07/26/24	0.00																0.1	0.1	0.08	310.83
08/27/24	0.00																0.0	0.0	0.08	310.91
09/05/24	0.00																0.0	0.0	0.05	310.96
10/10/24	0.00																0.0	0.0	0.03	310.99
10/24/24	0.00																0.0	0.0	0.00	310.99
11/07/24	0.00																0.0	0.0	0.02	311.01
11/15/24	0.00																0.1	0.1	0.07	311.08
11/27/24	0.00																0.1	0.1	0.10	311.18
12/10/24	0.00																0.1	0.1	0.09	311.26
12/20/24	0.00																0.1	0.1	0.07	311.33
01/02/25	0.00																0.1	0.1	0.11	311.44
01/17/25	0.00																0.2	0.2	0.19	311.62
01/29/25	0.00																0.2	0.2	0.23	311.86
02/14/25	0.00																0.0	0.0	0.00	311.86
02/28/25	0.00																0.4	0.4	0.37	312.23
03/12/25	0.00																0.3	0.3	0.32	312.55
03/28/25	0.00																0.0	0.0	0.00	312.55
04/10/25	0.00																0.4	0.4	0.35	312.90
04/18/25	0.00																0.3	0.3	0.32	313.22
05/16/25	0.00																0.5	0.5	0.55	313.75
05/23/25	0.00																0.6	0.6	0.62	314.37
06/09/25	0.00																0.6	0.6	0.58	314.95
06/27/25	0.00																0.0	0.0	0.00	314.95
07/11/25	0.00																0.4	0.4	0.35	315.30
07/24/25	0.00																0.4	0.4	0.37	315.67
08/08/25	0.00																0.4	0.4	0.36	316.03
08/29/25	0.00																0.3	0.3	0.34	316.37
09/04/25	0.00																0.1	0.1	0.10	316.47
09/19/25	0.00																0.1	0.1	0.15	316.62
10/03/25	0.00																0.0	0.0	0.00	316.62
10/16/25	0.00																0.4	0.4	0.43	317.05
10/31/25	0.00																0.1	0.1	0.11	317.15
11/11/25	0.00																0.1	0.1	0.07	317.22
TOTAL GALLONS OF IMPACTED GROUNDWATER REMOVED																			14551.47	
TOTAL GALLONS OF LNAPL REMOVED																			356.97	
TOTAL GALLONS OF LNAPL REMOVED BY EFR																			317.22	
TOTAL GALLONS OF LNAPL REMOVED BY BAILING																			39.75	
MW14 (1" Diameter Well through May 15, 2014; 4" Diameter Well Thereafter) Bailing Record																				
12/19/13	1.75	21.00	17.00	15.00	12.50	8.00	4.25	13.00	3.0	4.3	5.0	3.5	3.0	3.0	2.8	2.5	117.8	9.8	0.20	0.20
12/20/13	1.67	11.75	20.00	10.50	7.00	8.25	11.00	9.75	9.5	11.0	6.8	0.5	3.0	2.5	6.3	0.3	118.0	9.8	0.20	0.39
01/02/14	2.40	12.00	29.75	11.75	17.25	14.13	10.50	7.75	6.0	3.3	3.0	4.0	3.5	2.5	2.8	2.3	138.6	11.6	0.23	0.62
01/06/14	1.25	15.00	9.50	13.25	14.00	3.00	16.00	7.50	4.0	8.0	7.0	5.0	3.5	3.5	3.0		112.3	9.4	0.19	0.81
01/09/14	1.83	21.00	22.50	9.00	11.00	9.50	9.00	9.00	5.0	4.0	4.0	4.0	6.0	3.0	4.0	3.0	128.0	10.7	0.21	1.02
01/14/14	1.87	6.00	8.00	22.00	14.50	9.00	10.00	9.00	11.5	10.0	5.0	3.8	4.8	3.0	1.5	0.3	118.3	9.9	0.20	1.22
01/16/14	2.26	29.00	21.00	6.25	7.00	7.50	5.00	5.00	4.5	4.0	6.0	4.0	3.5	3.5	2.5	2.0	115.3	9.6	0.19	1.41
01/20/14	1.52	11.00	13.00	18.50	12.00	14.50	9.50	5.00	10.0	1.0	9.0	3.5	3.0	6.0	2.5	3.5	134.0	11.2	0.22	1.64
01/24/14	1.10	8.50	8.50	9.00	15.75	16.00	12.00	11.00	6.5	6.0	4.5	9.5	4.0	7.0	3.0	6.0	131.3	10.9	0.22	1.86
01/27/14	1.03	11.50	14.00	1.50	9.00	0.50	20.50	15.00	9.0	5.0	4.0	8.5	3.5	8.0	3.0	4.5	121.0	10.1	0.20	2.06
01/31/14	1.17	12.00	16.00	2.00	8.00	1.00	15.00	14.00	5.0	7.0	4.0	4.5	3.0	1.5	4.5	2.0	100.5	8.4	0.17	2.22
02/03/14	1.58	11.00	14.00	20.00	12.00	13.50	4.00	11.00	2.0	6.0	4.0	4.5	8.0	3.5	2.0	1.0	117.5	9.8	0.20	2.42
02/06/14	1.67	21.00	17.00	4.00	2.50	10.00	7.00	4.00	6.0	2.0	8.0	4.0	4.5	6.0	2.0	3.5	103.8	8.6	0.17	2.59
02/10/14	1.59	21.00	14.00	6.00	8.50	7.00	10.50	6.00	6.5	8.3	7.0	7.5	6.0	4.5	3.0	2.5	127.0	10.6	0.21	2.81
02/12/14	2.01	21.00	22.00	8.00	9.00	12.00	8.50	7.00	10.0	8.5	6.0	4.0	8.0	2.5	1.5	3.0	133.3	11.1	0.22	3.03
02/14/14	2.65	10.75	23.00	15.25	14.00	13.00	11.50	9.00	6.0	4.5	4.3	4.0	3.8	3.0	1.5	1.5	125.5	10.8	0.22	3.24
02/18/14	1.97	18.50	9.00	6.50	11.00	10.00	4.00	6.50	5.0	2.5	2.0	2.5	2.0	1.5	1.0	86.5	7.2	0.14	3.38	
02/20/14	1.56	8.00	9.00	4.00	6.00	4.50	3.50	4.00	4.0	1.3	3.0	2.0	1.0	1.5	0.5	0.5	63.5	4.5	0.09	3.48
02/24/14	1.45	7.00	7.00	7.50	7.00	7.00	3.00	3.50	4.0	3.5	1.5	1.5	1.5	1.0	1.0	0.5	57.3	4.8	0.10	3.57
02/26/14	0.49	5.00	6.50	7.00	4.00	4.50	2.00	2.50	1.5	2.0	1.5	1.0	0.5	0.3	0.3		38.5	3.2	0.06	3.64
02/28/14	0.92	5.00	7.00	2.00	4.00	3.00	5.00	1.00	1.0	0.5	0.5	0.3					29.3	2.4	0.05	3.68
03/04/14	0.40	6.00	4.00	5.00	2.00	3.00	1.50	1.00	0.5	0.5	1.0	0.5	0.3				25.3	2.1	0.04	3.73
03/06/14	0.22	3.00	5.00	2.50	1.00	2.00	1.50	1.50	1.0	0.5	0.5	0.3	0.5	0.3			18.5	1.5		

Date	Original LNAPL Thickness	LNAPL Thickness in Bailer (inches)															Total	Feet	Gal Rem'vd	Cum.
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th				
03/16/15	0.00																0.0	0.0	0.00	4.77
03/20/15	0.00																0.0	0.0	0.00	4.77
03/25/15	0.00																0.0	0.0	0.00	4.77
04/02/15	0.00																0.0	0.0	0.00	4.77
04/10/15	0.00																0.0	0.0	0.00	4.77
04/17/15	0.00																0.0	0.0	0.00	4.77
04/30/15	0.00																0.0	0.0	0.00	4.77
05/26/15	0.00																0.0	0.0	0.00	4.77
06/01/15	0.00																0.0	0.0	0.00	4.77
06/09/15	0.00																0.0	0.0	0.00	4.77
06/18/15	0.00																0.0	0.0	0.00	4.77
06/30/15	0.00																0.0	0.0	0.00	4.77
07/06/15	0.00																0.0	0.0	0.00	4.77
07/17/15	0.00																0.0	0.0	0.00	4.77
08/21/15	0.00																0.0	0.0	0.00	4.77
08/08/15	0.00																0.0	0.0	0.00	4.77
08/25/15	0.00																0.0	0.0	0.00	4.77
10/18/15	0.00																0.0	0.0	0.00	4.77
10/30/15	0.00																0.0	0.0	0.00	4.77
11/05/15	0.00																0.0	0.0	0.00	4.77
11/13/15	0.00																0.0	0.0	0.00	4.77
12/18/15	0.00																0.0	0.0	0.00	4.77
01/08/16	0.00																0.0	0.0	0.00	4.77
01/19/16	0.00																0.0	0.0	0.00	4.77
02/26/16	0.00																0.0	0.0	0.00	4.77
03/14/16	0.00																0.0	0.0	0.00	4.77
04/01/16	0.00																0.0	0.0	0.00	4.77
04/21/16	0.00																0.0	0.0	0.00	4.77
05/13/16	0.00																0.0	0.0	0.00	4.77
05/23/16	0.00																0.0	0.0	0.00	4.77
06/08/16	0.00																0.0	0.0	0.00	4.77
06/28/16	0.00																0.0	0.0	0.00	4.77
07/14/16	0.00																0.0	0.0	0.00	4.77
07/19/16	0.00																0.0	0.0	0.00	4.77
07/20/16	0.00																0.0	0.0	0.00	4.77
07/25/16	0.00																0.0	0.0	0.00	4.77
08/08/16	0.00																0.0	0.0	0.00	4.77
08/18/16	0.00																0.0	0.0	0.00	4.77
08/24/16	0.00																0.0	0.0	0.00	4.77
08/29/16	0.00																0.0	0.0	0.00	4.77
08/30/16	0.00																0.0	0.0	0.00	4.77
09/06/16	0.00																0.0	0.0	0.00	4.77
09/15/16	0.00																0.0	0.0	0.00	4.77
09/28/16	0.00																0.0	0.0	0.00	4.77
10/05/16	0.00																0.0	0.0	0.00	4.77
10/11/16	0.00																0.0	0.0	0.00	4.77
11/22/16	0.00																0.0	0.0	0.00	4.77
12/08/16	0.00																0.0	0.0	0.00	4.77
12/18/16	0.00																0.0	0.0	0.00	4.77
01/09/17	0.00																0.0	0.0	0.00	4.77
01/18/17	0.00																0.0	0.0	0.00	4.77
01/23/17	0.00																0.0	0.0	0.00	4.77
02/03/17	0.00																0.0	0.0	0.00	4.77
02/15/17	0.00																0.0	0.0	0.00	4.77
02/17/17	0.00																0.0	0.0	0.00	4.77
02/21/17	0.00																0.0	0.0	0.00	4.77
03/13/17	0.00																0.0	0.0	0.00	4.77
03/27/17	0.00																0.0	0.0	0.00	4.77
04/24/17	0.00																0.0	0.0	0.00	4.77
05/01/17	0.00																0.0	0.0	0.00	4.77
05/09/17	0.00																0.0	0.0	0.00	4.77
05/12/17	0.00																0.0	0.0	0.00	4.77
05/23/17	0.00																0.0	0.0	0.00	4.77
05/30/17	0.00																0.0	0.0	0.00	4.77
06/07/17	0.00																0.0	0.0	0.00	4.77
06/13/17	0.00																0.0	0.0	0.00	4.77
06/27/17	0.00																0.0	0.0	0.00	4.77
07/11/17	0.00																0.0	0.0	0.00	4.77
07/19/17	0.00																0.0	0.0	0.00	4.77
07/27/17	0.00																0.0	0.0	0.00	4.77
08/02/17	0.00																0.0	0.0	0.00	4.77
08/18/17	0.00																0.0	0.0	0.00	4.77
09/29/17	0.00																0.0	0.0	0.00	4.77
10/05/17	0.00																0.0	0.0	0.00	4.77
10/09/17	0.00																0.0	0.0	0.00	4.77
10/16/17	0.00																0.0	0.0	0.00	4.77
10/25/17	0.00																0.0	0.0	0.00	4.77
11/02/17	0.00																0.0	0.0	0.00	4.77
11/08/17	0.00																0.0	0.0	0.00	4.77
11/20/17	0.00																0.0	0.0	0.00	4.77
11/22/17	0.00																0.0	0.0	0.00	4.77
12/08/17	0.00																0.0	0.0	0.00	4.77
12/13/17	0.00																0.0	0.0	0.00	4.77
12/22/17	0.00																0.0	0.0	0.00	4.77
01/02/18	0.00																0.0	0.0	0.00	4.77
01/15/18	0.00																0.0	0.0	0.00	4.77
01/18/18	0.00																0.0	0.0	0.00	4.77
01/29/18	0.00																0.0	0.0	0.00	4.77
02/22/18	0.00																0.0	0.0	0.00	4.77
03/22/18	0.00																0.0	0.0	0.00	4.77
03/30/18	0.00																0.0	0.0	0.00	4.77
04/10/18	0.00																0.0	0.0	0.00	4.77
04/24/18	0.00																0.0	0.0	0.00	4.77
05/29/18	0.00																0.0	0.0	0.00	4.77
06/13/18	0.00																0.0	0.0	0.00	4.77
06/18/18	0.00																0.0	0.0	0.00	4.77
06/28/18	0.00																0.0	0.0	0.00	4.77
07/03/18	0.00																0.0	0.0	0.00	4.77
07/12/18	0.00																0.0	0.0	0.00	4.77
07/25/18	0.00																0.0	0.0	0.00	4.77
08/06/1																				

