May 19, 2026

Mr. Steven Moeller, P.G.
Professional Geologist 1
NYSDEC Region 9
Division of Environmental Remediation
700 Delaware Ave
Buffalo, NY 14209

Re: Tecumseh Redevelopment Site #915009
Lackawanna (C), Erie County
EPA ID # NYD002134880
Hazardous Waste Management Units (HWMUs) 1A,1B, and 2
2024 Annual Groundwater Monitoring Report

Dear Mr. Moeller:

On behalf of Tecumseh Redevelopment Inc. (Tecumseh), Roux Environmental Engineering & Geology, D.P.C (Roux) has prepared this letter report to transmit the results of the 2024 annual groundwater monitoring event conducted at Hazardous Waste Management Unit No. 1 (HWMU-1A and HWMU-1B) and Hazardous Waste Management Unit No. 2 (HWMU-2) at the Tecumseh Site in Lackawanna, New York (see Figure 1).

Tecumseh retained Roux to perform the 2024 annual monitoring event in January 2025. Roux conducted groundwater monitoring at HWMUs-1A, -1B and 2 from January 15 through January 17, 2025. Although no monitoring was performed in 2024, the January 2025 monitoring is considered representative of 2024 conditions. The groundwater monitoring network wells are shown in Figures 2 and 3. Table 1 lists the site-specific constituents of concern (SSCOC[1]) that have been previously detected at concentrations above their respective NYSDEC Class GA Groundwater Quality Standards/Guidance Values (GWQS/GVs) at a minimum of one location for each HWMU. A summary of field activities and findings for each HWMU is presented below.

Purpose

The activities conducted during the January 2025 groundwater monitoring event were performed in general accordance with the 2017 Groundwater Monitoring, Sampling and Analysis Plan for HWMU-1 and HWMU-2, Tecumseh Redevelopment Inc. Wells were purged and sampled using low flow techniques or dedicated disposable bailers. Depth to water and well bottom were measured prior to purging. Field parameters including temperature, pH, specific conductivity, dissolved oxygen, oxidation-reduction potential (ORP), and turbidity were recorded for each well during purging and immediately before and after sample collection. Visual and olfactory observations were also noted. Collected groundwater samples were placed in pre-cleaned, pre-preserved laboratory provided sample bottles, cooled to 4°C in the field, and transported under chain-of-custody command to Pace Analytical Services, a NYSDOH ELAP-certified analytical laboratory in Westborough, Massachusetts for analysis. Purge water with no visual or olfactory evidence of contamination was discharged to the ground surface

[1] SSCOCs as presented in the December 2017 Groundwater Monitoring, Sampling and Analysis Plan for HWMU-1 and HWMU-2 with added parameters 1,2,4-trimethylbenzene (HWMU-1B) and total phenolic compounds (all units).

adjacent to each well. Impacted purge water was containerized and transported to the Acid Tar Pit leachate treatment system for disposal.

This annual report includes a detailed discussion of current groundwater quality compared to historical data for HWMU-1A, -1B, and -2. Tables and graphs are provided to summarize groundwater elevations, analytical data, and illustrate trends in groundwater quality and flow patterns.

Groundwater Elevations & Flow

On January 15 & 16, 2025, groundwater elevations were measured in 21 monitoring wells and four piezometers around HWMU-1A/1B and eight monitoring wells around HWMU-2. Table 2 summarizes the depth to water and calculated groundwater elevation for each monitored location. The Lake Erie elevation presented in Table 2 was obtained from the National Oceanic and Atmospheric Administration/National Ocean Service's (NOAA/NOS) Center for Operational Oceanographic Products and Services (CO-OPS) website; Great Lakes Water Level Data Inventory for Station Number 9063020 Buffalo, Lake Erie, New York. The lake elevation used is the average for the 24-hour period preceding the groundwater elevation measurements.

Groundwater elevation data for the current monitoring event are generally consistent with historical data. Attachment 1 includes historical elevation data and elevation versus time plots for each monitoring well and Lake Erie, showing seasonal fluctuations throughout each monitored year. Groundwater and Lake Erie elevations are generally within normal historic levels.

Figures 2 and 3 are isopotential maps representing the shallow groundwater within HWMU-1 and HWMU-2 using the January 15 and 16, 2025, groundwater elevations. As indicated, the shallow groundwater migrates toward Lake Erie with a localized mound flowing radially outward from HWMU-1B, which is consistent with historic flow patterns at the Site.

Results of January 2025 Groundwater Monitoring

Table 3 (HWMU-1) and Table 4 (HWMU-2) summarize the field-measured parameters and analytical results for the January 2025 groundwater monitoring event. Concentrations in groundwater that exceed NYSDEC Class GA GWQS/GVs are highlighted in yellow. Monitoring well MWS-11A served as the upgradient network monitoring sampling location at HWMU-2 due to well MW-2U1 being historically dry. Attachment 2A includes the groundwater field forms and equipment calibration logs. Attachment 2B includes the analytical data package. The purge water from wells sampled with pH readings greater than 12 were neutralized using dilute muriatic acid until a pH in the range of 9.0 to 10.0 was achieved prior to discharge to the ground surface.

Groundwater Quality Trends

A comparison of the January 2025 analytical results to historical concentrations for each HWMU indicates detections of similar parameters at similar concentrations with limited exceptions. Attachment 3 includes concentration versus time plots by HWMU for the SSCOCs identified in Table 1 along with trend lines for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted. The concentrations reported below method detection limits (MDLs) (i.e., non-detect) are not plotted. The long-term and short-term trends are presented below and provide a qualitative assessment of the long-term and short-term groundwater quality in each HWMU. The 2025 groundwater samples were analyzed for phenolic compounds via EPA Method 8270 in lieu of total recoverable phenolics (TRP) via EPA Method 9066 as discussed and agreed with the Department. Attachment 3 includes plots of the sum of phenolic compounds using that historical data with recent data.

HWMU-1A TRENDS

- **Benzene:** Concentrations for this parameter in groundwater are above the GWQS of 1 ug/L in all four wells, with the highest concentration at upgradient well MW-1U1. The long-term concentration trend is generally decreasing for all wells

- **Toluene:** Concentrations for this parameter have been below the GWQS of 5 ug/L in wells MW-1D2, MW-1D3 and MW-1D4 since 2015. The only monitoring well above the GWQS since 2015 and historically the highest concentration is well MW-1U1. The long-term concentration trends in groundwater are decreasing for wells MW-1D3, MW-1D4, and MW-1U1. Concentrations in well MW-1D2 have never been detected above the GWQS.
- **Total Xylenes:** The concentrations were below the GWQS in monitoring wells MW-1D2, MW-1D3 and MW-1D4 during this monitoring event. Upgradient well MW-1U1 had a concentration above the GWQS. However, the MW-1U1 monitoring result for 2025 indicated a concentration decrease compared to the past two monitoring events.
- **1,2,4- and 1,3,5-Trimethylbenzene:** The analysis for these parameters began in 2010 (wells MW-1D2, MW-1D3 and MW-1D4) and 2013 (well MW-1U1), with detections above GWQS only observed in well MW-1D2. The concentration of 1,2,4-trimethylbenzene in MW-1D2 was above GWQS during this monitoring event, but less than the previous event (December 2022). The long-term concentration trend of 1,2,4-trimethylbenzene in this well is slightly upward. The concentration of 1,3,5-trimethylbenzene in MW-1D2 was below GWQS during this monitoring event and shows an overall decreasing trend. The historical concentrations of these parameters have fluctuated slightly above and below the GWQS of 5 ug/L in MW-1D2.
- **Naphthalene:** Concentrations have continued to be below GWQS in monitoring well MW-1D3. The concentrations in well MW-1D2 have historically been above the GWQS of 10 ug/L. Concentrations in monitoring wells MW-1U1 and MW-1D4 were above GWQS during this monitoring period.
- **Sum of Phenolic Compounds:** The groundwater concentration for the sum of phenolic compounds was above GWQS of 1 ug/L at all four wells locations.
- **Biphenyl:** Concentrations in wells MW-1U1 and MW-1D4 have never been detected above the GWQS of 5 ug/L. Concentrations in MW-1D2 have fluctuated above and below the GWQS and show an overall increasing trend. The concentration was below the GWQS in the previous event (December 2022) but exceeded the GWQS in 2025.

In general, the SSCOC concentrations in all HWMU-1A monitoring wells are trending downward or neutral except for phenolic compounds, biphenyl, and 1,2,4-trimethylbenzene. Generally, the concentrations of benzene, toluene, and xylene in the upgradient monitoring well (MW-1U1) are greater than downgradient monitoring wells. The concentrations for the SSCOC are below the historic maximum for the current monitoring period.

HWMU-1B TRENDS

- **Benzene:** Groundwater concentrations for this parameter were above the GWQS of 1 ug/L in wells MW-1U1, MW-1D1, MW-1D6, MW-1D7 and MWN-12. Monitoring well MW-1D8 exhibited a concentration below the GWQS. The long-term trend is decreasing in wells MW-1U1, MW-1D7, MW-1D8, and MWN-12. The long-term trend is increasing in wells MW-1D1 and MW-1D6; however, concentrations in wells MW-1D1 and MW-1D6 were less than 10 during the 2025 sampling event.
- **Ethylbenzene:** Groundwater concentrations for this parameter were non-detect at all HWMU-1B wells except MW-1D1 which was above the GWQS of 5 ug/L.
- **Toluene:** Concentrations for this parameter are below the GWQS of 5 ug/L in all HWMU-1B wells except MW-1U1 and MW-1D1.
- **Total Xylenes:** Groundwater concentrations for this parameter were below the GWQS of 5 ug/L in all HWMU-1B monitoring wells except wells MW-1D1 and MW-1U1, which have been historically above the GWQS.
- **1,2,4-Trimethylbenzene:** Concentrations for this parameter are non-detect or below the GWQS of 5 ug/L in all HWMU-1B wells except MW-1D1.

- **Trichloroethene (TCE):** Groundwater concentrations for this parameter have been non-detect or below the GWQS of 5 ug/L since 2018 in all HWMU-1B wells. The long-term trend is decreasing in wells MW-1D1 and MW-1D7.
- **Cis-1,2-Dichloroethene (DCE):** Groundwater concentrations for this parameter historically have been non-detect or below the GWQS of 5 ug/L in all HWMU-1B wells except MW-1D7. Monitoring wells MW-1D6, MW-1U1, and MWS-12 have no plotted data because they have historically been non-detect.
- **Trans-1,2-DCE:** Groundwater concentrations for this parameter historically have been non-detect in all HWMU-1B wells except MW-1D7. The concentration of trans-1,2-DCE in well MW-1D7 exceeded the GWQS of 5 ug/L in the previous eight events and shows an increasing trend. Monitoring wells MW-1D1, MW-1D6, MW-1D8, MW-1U1, and MWS-12 have no plotted data because they have historically been non-detect.
- **Vinyl Chloride:** Groundwater concentrations for this parameter historically have been non-detect in all HWMU-1B wells except MW-1D7. Monitoring wells MW-1D1, MW-1D6, MW-1D8, MW-1U1, and MWS-12 have no plotted data because they have historically been non-detect.
- **Benzo(a)anthracene:** Concentrations for this parameter were above GWQS for all HWMU-1B well locations except monitoring wells MW-1D1 and MW-1D8, which were non-detect during this monitoring event. Historically, groundwater concentrations for this parameter in wells MW-1D6, MW-1U1, and MWN-12 have been above the GWQS of 0.002 ug/L.
- **Bis(2-ethylhexyl)phthalate (DEHP):** Groundwater concentrations for this parameter in the HWMU-1B monitoring wells were either non-detect or below the GWQS of 5 ug/L during this monitoring period.
- **Chrysene:** Concentrations in MW-1D6, MW-1U1, and MWN-12 were above the GWQS of 0.002 ug/L as observed in previous monitoring events. Monitoring wells MW-1D1, MW-1D7, and MW-1D8 were non-detect during this monitoring event, similar to previous monitoring events.
- **Naphthalene:** Concentrations were detected above the GWQS at all HWMU- 1B wells except MW-1D7. Concentrations for this parameter have historically been below the GWQS of 10 ug/L in Well MW-1D7. Concentrations in monitoring wells MW-1D1, MW-1D8, MW-1U1, and MWN-12 have been historically above the GWQS.
- **Sum of Phenolic Compounds:** The groundwater concentrations for the sum of phenolic compounds at all HWMU-1B wells is above the GWQS of 1 ug/L during this monitoring event. The long-term trend is decreasing in Wells MW-1D1 and MW-1D8 but increasing in well MW-1D6, MW-1U1, and MWN-12.

In general, the SSCOC concentrations in many HWMU-1B monitoring wells are trending downward and approaching the GWQSs with a few monitoring wells having neutral or increasing trends for certain parameters, but typically within an order of magnitude of the GWQS.

HWMU-2 TRENDS

- **Benzene:** Groundwater concentrations of this parameter in monitoring well MW-2D2 have historically been non-detect or below the GWQS of 1 ug/L. Concentrations in monitoring well MW-2D3 and MWS-11A have an overall decreasing trend but are currently above the GWQS. Concentrations in monitoring well MW-2D4 are similar to previous monitoring events.
- **Ethylbenzene:** Groundwater concentrations of this parameter in well MW-2D3 trended and have remained below the GWQS of 5 ug/L since 2015. Concentrations in the remaining HWMU-2 wells have never been detected above the GWQS.
- **Toluene:** Groundwater concentrations of this parameter in all HWMU-2 monitoring wells are below the GWQS for this monitoring event. Well MW-2D3 has an overall decreasing trend and

is currently below the GWQS. Concentrations in the remaining wells have never been detected above the GWQS.

- **Total Xylenes:** Concentrations of this parameter in monitoring well MW-2D3 are currently above the GWQS of 5 ug/L but have an overall decreasing trend. Concentrations in monitoring well MW-2D4 have remained below the GWQS since 2008. The concentration observed in upgradient well MWS-11A has an overall increasing trend. Concentrations in well MW-2D2 have never been detected above the GWQS.
- **1,2,4-Trimethylbenzene:** This parameter was first detected in monitoring well MW-2D3 in 2011 at a concentration slightly above the GWQS of 5 ug/L. Since 2014, the concentration in well MW-2D3 has decreased and subsequently dropped below the GWQS in 2017. Concentrations in the remaining HWMU 2 monitoring wells HWMU have never been detected above the GWQS. Monitoring wells MW-2D2 and MW-2D4 have no plotted data because they have historically been non-detect.
- **Chrysene:** Concentrations of this parameter in monitoring well MW-2D3 have been reported above the GWQS of 0.002 ug/L; however, the long-term trend is neutral. In 2017, chrysene was detected in upgradient monitoring well MWS-11A at a concentration above the GWQS. Monitoring wells MW-2D2 and MW-2D4 have no plotted data because they have historically been non-detect.
- **Naphthalene:** Concentrations of this parameter in monitoring well MW-2D2 are below the GWQS of 10 ug/l and are consistent with previous monitoring events. Concentrations in monitoring well MW-2D4 are slightly above the GWQS but have an overall decreasing trend. Concentrations in monitoring wells MW-2D3 and MWS-11A currently exceed the GWQS.
- **Sum of Phenolic Compounds:** The sum of phenolic compounds was detected above GWQS in wells MW-2D2 and MW-2D4 during this monitoring event. Upgradient well MWS-11A had the highest concentration for the sum of phenolic compounds (34.6 ug/L, estimated) and has an increasing trend. The concentration in well MW-2D3 was reported slightly above the GWQS but has an overall decreasing trend.

A sheen was noted on the bailer at well MWS-11A during purging and sampling activities. The sheen appeared to be characteristic of NAPL and did not appear to be tarry in nature. The amount of free product in the well will be measured during the next sampling event and, if sufficient quantity, a sample will be collected for analytical testing.

In general, the SSCOC concentrations in all downgradient monitoring wells are trending downward with concentrations in monitoring well MW-2D3 (center of unit) being greater than MW-2D2 and MW-2D4. SSCOC concentrations generally have been similar in upgradient monitoring well MWS-11A and downgradient monitoring well MW-2D3. The concentrations of SVOC SSCOCs in upgradient monitoring well MWS-11A are generally greater than downgradient wells. The 2018 Annual Groundwater Quality Monitoring Report documented similar concentrations of benzene and naphthalene detected in well MWS-14 (located upgradient of SWMUs S-7/S-20 and S-8) indicating residual ATP groundwater as a possible source.

NYSDEC EQuIS Deliverables

Roux submitted the analytical data in Electronic Data Deliverable (EDD) format to NYSDEC on behalf of Tecumseh using the NYSDEC database software application EQuIS™.

Cover System Inspection

On January 23, 2025, an inspection of the cover system over HWMU-1A was completed by Roux, as requested by NYSDEC in its December 11, 2018, CMS Report comment letter. At the time of the inspection, the cover system was intact with a good stand of vegetation and no signs of erosion or breach by vectors. Attachment 4 includes the Field Inspection Report and photographs.

Conclusions

Results of the January 2025 groundwater monitoring are similar to historical data from previous sampling events dating back to 2003. Roux will continue to perform the (HWMUs) 1A,1B, and 2 well gauging, groundwater sampling and reporting, and the HWMU 1A cover system inspection on an annual basis.

Please contact us if you have any questions or concerns.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Rick Dubisz
Senior Scientist II

ec: Keith Nagel (Tecumseh Redevelopment)
Tom Forbes, P.E. (Roux)
Lori Riker, P.E. (Roux)

TABLES

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TABLE 1

SUMMARY OF SITE-SPECIFIC CONSTITUENTS OF CONCERN

Hazardous Waste Management Units HWMU-1 & HWMU-2
Tecumseh Redevelopment Inc.
Lackawanna, New York

Parameter	HWMU 1A	HWMU 1B	HWMU 2
Site-Specific Volatile Organic Compounds (SS-VOCs)-Method 8260C (CP-51 compounds in blue)			
Benzene	X	X	X
cis-1,2-Dichloroethene		X	
trans-1,2-Dichloroethene		X	
Ethylbenzene		X	X
Toluene	X	X	X
Trichloroethene		X	
1,2,4-Trimethylbenzene	X	X	X
1,3,5-Trimethylbenzene	X		
Vinyl chloride		X	
Xylenes, Total	X	X	X
TCL List Semi-Volatile Organic Compounds (SS-SVOCs)-Method 8270D			
Benzo(a)anthracene		X	
Bis(2-ethylhexyl) phthalate		X	
Chrysene		X	X
Naphthalene	X	X	X
Phenolic Compounds	X	X	X

Notes:

1. Parameter lists were modified in September 2009 with NYSDEC approval.

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TABLE 2

SUMMARY OF GROUNDWATER ELEVATIONS
January 15, 2025

2024 Annual Event
Hazardous Waste Management Units HWMU-1 & HWMU-2
Tecumseh Redevelopment Inc.
Lackawanna, New York

Location	TOR Elevation [1]	DTW 2025 (fbTOR)	GWE [1]
HWMU-1A & 1B MONITORING WELLS (25)			
MW-1D1	610.59	33.71	576.88
MW-1D2	614.46	42.30	572.16
MW-1D3	612.69	40.70	571.99
MW-1D4	612.52	40.35	572.17
MW-1D5	613.49	41.59	571.90
MW-1D6	610.94	38.61	572.33
MW-1D7	611.26	37.12	574.14
MW-1D8	610.74	36.33	574.41
MW-1U1	613.18	40.41	572.77
MWN-03	611.96	40.35	571.61
MWN-04	623.45	51.75	571.70
MWN-05A	622.84	51.24	571.60
MWN-12	608.59	36.79	571.80
MWN-13A	607.32	34.53	572.79
MWN-28A	595.76	23.54	572.22
MWN-29A	596.19	24.05	572.14
MWN-35A	608.71	36.37	572.34
MWN-36A	598.42	25.35	573.07
MWN-42A	579.37	7.55	571.82
P-4S	610.85	36.75	574.10
P-5S	616.71	44.92	571.79
P-6S	618.92	47.28	571.64
P-7S	610.59	38.60	571.99
WT8-01	612.49	40.55	571.94
WT8-02	645.62	74.52	571.10
HWMU-2 MONITORING WELLS (8)			
MW-2D2	632.60	59.60	573.00
MW-2D3	635.52	62.78	572.74
MW-2D4	629.60	56.15	573.45
MW-2U1	629.69	DRY	DRY
MWS-09	630.82	58.77	572.05
MWS-11A	639.86	65.70	574.16
MWS-15	627.43	53.18	574.25
MWS-26A	625.61	53.79	571.82
LAKE ERIE			
Lake Erie [2]	NA	NA	571.7

Notes:
1. Top of Riser (TOR) elevation and Groundwater Elevation (GWE) are measured in feet referenced to NAVD 88 Datum.
2. Source: NOAA Tides & Currents Web Page - Buffalo, NY Station ID 9063020

Acronyms:
fbTOR = feet below top of riser or casing
NA = Not applicable

TABLE 3

SUMMARY OF HWMU-1 GROUNDWATER ANALYTICAL RESULTS

2024 Annual Event
Samples Collected January 2025
Hazardous Waste Management Units HWMU-1A & HWMU-1B
Tecumseh Redevelopment Inc.
Lackawanna, New York

Parameter[1]	GWQS[2]	Monitoring Well and HWMU Location																	
		MW-1D1 (HWMU-1B)		**MW-1D2** (HWMU-1A)		**MW-1D3** (HWMU-1A)		**MW-1D4** (HWMU-1A)		**MW-1D6** (HWMU-1B)		**MW-1D7** (HWMU-1B)		**MW-1D8** (HWMU-1B)		**MWN-12** (HWMU-1B)		**MW-1U1** (HWMU-1A/1B)	
***Field Measurements*[3] :**																			
Sample No.	--	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*
pH (units)	**6.5 - 8.5**	**9.94**	**10.03**	**12.51**	**12.50**	**12.67**	**12.66**	**12.68**	**12.70**	**11.38**	**11.41**	**8.63**	8.12	**10.81**	**11.00**	**12.48**	**12.45**	**12.30**	**12.31**
Temperature (°C)	**NA**	8.5	8.8	11.3	11.3	10.9	10.4	12.2	12.2	10.5	10.4	8.2	8.1	11.5	11.1	11.7	11.8	11.1	11.0
Sp. Conductance (uS)	**NA**	3119	3110	2110	2180	2450	2444	2148	2133	4119	4111	2913	2910	2214	2210	2880	2878	2087	2088
Turbidity (NTU)	**NA**	51.00	50.00	17.00	13.00	25.0	26.0	9.76	9.70	12.00	12.00	6.33	6.11	6.10	6.00	6.00	6.00	10.50	11.00
DO (ppm)	**NA**	1.45	1.36	1.42	1.36	1.26	1.13	1.9	1.88	1.39	1.33	1.42	1.41	1.37	1.10	2.45	2.33	1.80	1.82
Eh (mV)	**NA**	22	23	-211	-210	-422	-421	-338	-330	-45	-46	-107	-111	27	28	-224	-220	-178	-181
Total Volume purged (gallons)	**NA**	5.5		4		5		4		1.5		4		5		6		6.5	
Appearance and Odor	**NA**	Clear, slight odor	Clear, slight odor	Clear, slight odor	Clear, slight odor	Clear, slight odor	Clear, slight odor	Clear, no odor	Clear, no odor	Clear, no odor	Clear, no odor	Clear, no odor	Clear, no odor	Clear, no odor	Clear, no odor	Clear, no odor	Clear, no odor	Clear, no odor	Clear, no odor
Volatile Organic Compounds (ug/L) :																			
Acetone	**50***	ND		--		--		--		3.8 J		ND		ND		ND		ND	
Benzene	**1**	**8.3**		**1.3**		**3**		**6.8**		**1.8**		**6.6**		0.41 J		**3.7**		**32**	
Carbon Disulfide	**--**	ND		--		--		--		1.9 J		ND		ND		ND		ND	
1,1-Dichloroethane	**5**	ND		--		--		--		2.3 J		ND		ND		ND		ND	
1,2-Dichloroethane	**0.6**	ND		--		--		--		0.33 J		ND		ND		ND		ND	
cis-1,2-Dichloroethene	**5**	ND		--		--		--		ND		**20**		ND		ND		ND	
trans-1,2-Dichloroethene	**5**	ND		--		--		--		ND		**29**		ND		ND		ND	
Ethylbenzene	**5**	**16**		ND		ND		ND		ND		ND		ND		ND		ND	
N-Propylbenzene	**5**	1.8 J		ND		ND		ND		ND		ND		ND		ND		ND	
Styrene	**5**	4 J		--		--		--		ND		ND		ND		ND		ND	
Toluene	**5**	**5.7**		2.2 J		1.3 J		3		0.86 J		ND		1.4 J		1.1 J		**5.9**	
Trichloroethene	**5**	3.6		--		--		--		ND		0.73		ND		ND		ND	
1,2,4-Trimethylbenzene	**5**	**45**		**9.9**		ND		ND		0.88 J		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	**5**	ND		4.8		ND		1.2 J		ND		ND		ND		0.75 J		0.87 J	
Vinyl Chloride	**2**	ND		--		--		--		ND		**2.1**		ND		ND		ND	
m-Xylene & p Xylene	**5**	**15**		2.8		1.2 J		2.4 J		ND		ND		1.1 J		0.88 J		4	
o-Xylene	**5**	**39**		1.8		1.4 J		2.5		ND		ND		0.79 J		0.84 J		3.7	
Xylenes, Total	**5**	**54**		4.6		2.6		4.9		ND		ND		1.89		1.72 J		**8**	

TABLE 3

SUMMARY OF HWMU-1 GROUNDWATER ANALYTICAL RESULTS

2024 Annual Event
Samples Collected January 2025
Hazardous Waste Management Units HWMU-1A & HWMU-1B
Tecumseh Redevelopment Inc.
Lackawanna, New York

Parameter[1]	GWQS[2]	Monitoring Well and HWMU Location								
		MW-1D1 (HWMU-1B)	MW-1D2 (HWMU-1A)	MW-1D3 (HWMU-1A)	MW-1D4 (HWMU-1A)	MW-1D6 (HWMU-1B)	MW-1D7 (HWMU-1B)	MW-1D8 (HWMU-1B)	MWN-12 (HWMU-1B)	MW-1U1 (HWMU-1A/1B)
Semi-Volatile Organic Compounds (ug/L):										
2-Methylnaphthalene	--	5.2	96	1.3	3.3	1.8	0.03 J	0.91	14	1.4
3-Methylphenol/4-Methylphenol	1**	ND	**2.3 J**	**4 J**	**4 J**	**2.9 J**			**2.9 J**	**3 J**
Acenaphthene	20*	1	1.6	0.91	1.8	0.4	0.64	0.07 J	5.8	0.93
Acenaphthylene	--	19.0	35	1.4	2.1	0.61	0.17	0.78	6.2	2.2
Acetophenone	--	ND	1.1 J	ND	ND	ND	ND	ND	ND	ND
Anthracene	50*	0.21 J	0.51	0.24	0.82	0.6	0.28	0.13	5.5	0.75
Benzo(a)anthracene [4]	0.002*	ND	ND	**0.05 J**	**0.04 J**	**0.35**	**0.04 J**	ND	**0.44**	**0.10**
Benzo(a)pyrene [4]	0 (ND)	ND	ND	ND	ND	**0.06 J**	ND	ND	ND	ND
Benzo(b)fluoranthene [4]	0.002*	ND	ND	ND	ND	**0.22**	ND	ND	**0.06 J**	**0.04 J**
Benzo(ghi)perylene	--	ND	ND	ND	ND	**0.03 J**	ND	ND	ND	ND
Benzo(k)fluoranthene [4]	0.002*	ND	ND	ND	ND	**0.08 J**	ND	ND	ND	ND
Biphenyl	5	4.6	**6.9**	ND	0.65 J	ND	ND	ND	2.6 J	ND
Bis(2-Ethylhexyl)phthalate	5	3.2	1.6 J	ND	ND	ND	ND	ND	ND	ND
Carbazole	--	ND	2	1.3 J	2.9	2.9	ND	ND	10	2.2
Chrysene [4]	0.002*	ND	ND	ND	ND	**0.55**	ND	ND	**0.33**	**0.11 J**
Dibenzofuran	--	3.8	9.4	0.72 J	1.7 J	1 J	ND	ND	10.0	0.91 J
Fluoranthene	50*	ND	0.45 J	0.9	1.4	7.5	0.52	0.13	11	2.4
Fluorene	50*	ND	6	2.1	4.2	1	4.8	0.26	20	2.1
Indeno(1,2,3-cd)pyrene [4]	0.002*	ND	ND	ND	ND	**0.04 J**	ND	ND	ND	ND
Naphthalene	10*	**270 E**	**190**	5.9	**13**	**24**	0.47	**16**	**72 E**	**17**
Pentachlorophenol	1**	ND	ND	0.91	0.72 J	0.13 J	0.12 J	0.13 J	0.43 J	0.18 J
Phenanthrene	50*	0.61	3	2.8	6.2	9.4	ND	0.09 J	38	4.1
Phenol	1**	ND	**3.4 J**	**4.6 J**	**2.6 J**	**3 J**	**2.4 J**	**1.2 J**	**2 J**	**2.3 J**
Pyrene	50*	ND	0.3 J	0.71	0.92	4.1	0.29	0.1 J	7.2	2.6
Total Phenolic Compounds	1**	***ND***	***5.7 J***	***9.51 J***	***7.32 J***	***6.03 J***	***2.52 J***	***1.33 J***	***5.33 J***	***5.48 J***

Notes:

1. Only those VOCs and SVOCs detected above the method detection limit at a minimum of one sample location are reported in this table.
2. NYSDEC Class "GA" Groundwater Quality Standards/Guidance Values (GWQS/GV) per 6 NYCRR Part 703.
3. Field measurements were collected immediately before and after groundwater sample collection.
4. Method detection limits for this compound are above the GWGV.

Acronyms:

J = Estimated Value
BOLD = exceeds GWQS/GV
"--" = Not analyzed for this parameter
ND = Parameter was not detected above laboratory method detection limit.
" * " = The Guidance Value was used where a Standard has not been established.
" ** " = General GWQS of 1.0 ug/L for total phenolic compounds.

ROUX

TABLE 4

SUMMARY OF HWMU-2 GROUNDWATER ANALYTICAL RESULTS

2024 Annual Event
Samples Collected January 2025
Hazardous Waste Management Unit HWMU-2
Tecumseh Redevelopment Inc.
Lackawanna, New York

Parameter [1]	GWQS [2]	Monitoring Well							
		MW-2D2		MW-2D3		MW-2D4		MWS-11A	
Field Measurements [3]:									
Sample No.	--	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*	*Initial*	*Final*
pH (units)	**6.5 - 8.5**	**9.70**	**9.61**	**11.10**	**11.16**	**9.26**	**9.20**	**12.21**	**12.18**
Temperature (°C)	**NA**	10.9	11	13.7	13	13.4	13.1	13.1	13
Sp. Conductance (mS)	**NA**	839	842	901	901	793	788	1313	1300
Turbidity (NTU)	**NA**	23	22	43	44	41	40	38	31
DO (ppm)	**NA**	2.68	2.5	2.1	2	3.98	3	3.35	3.1
Eh (mV)	**NA**	101	140	-161	-160	36	30	-214	-218
Total Volume Purged (gallons)	--	9.25		12		12		15	
Appearance and Odor	**NA**	Clear No odor	Clear No odor	Clear Slight odor	Clear Slight odor	Clear No odor	Clear No odor	Sheen Slight odor	Sheen Slight odor
Volatile Organic Compounds (ug/L):									
Benzene	**1**	ND		**4.7**		**2.6**		**1.8**	
Ethylbenzene	**5**	ND		1.6 J		ND		ND	
Toluene	**5**	ND		4.6		1.3 J		1.7 J	
1,2,4-Trimethylbenzene	**5**	ND		2.8		ND		2.5	
1,3,5-Trimethylbenzene	**5**	ND		1.3 J		ND		1.3 J	
m-Xylene & p-Xylene	**5**	ND		**10**		1.8 J		3.7	
o-Xylene	**5**	ND		**5.8**		1.2 J		1.7 J	
Xylenes, Total	**5**	ND		**15.8**		**3**		**5.4**	
Semi-Volatile Organic Compounds (ug/L):									
Acenaphthene	**20***	ND		3.2		0.65		15	
Acenaphthylene	--	0.09 J		20		3.1 J		29	
Anthracene	**50***	0.07 J		3.5		0.83		6.5	
3-Methylphenol/4-Methylphenol	**1****	ND		**1.8 J**		ND		**16**	
2-Methylnaphthalene	--	ND		16		1.1		40	
2-Methylphenol	**1****	ND		ND		ND		**7.4**	
2,4-Dimethylphenol	**1****	ND		ND		ND		**3.1 J**	
Benzo(a)anthracene [4]	**0.002***	ND		**0.37 J**		**0.06 J**		**4.8**	
Benzo(a)pyrene [4]	**0 (ND)**	ND		**0.17 J**		**0.04 J**		**3.8**	
Benzo(b)fluoranthene [4]	**0.002***	**0.04 J**		**0.22 J**		**0.05 J**		**4.7**	
Benzo(ghi)perylene	--	ND		ND		0.04 J		2.6	
Benzo(k)fluoranthene [4]	**0.002***	ND		ND		ND		**1.9**	
Biphenyl	**5**	ND		**2.4**		ND		**6.1**	
Bis(2-Ethylhexyl)phthalate	**5**	**6.9**		**8.4**		ND		ND	
Carbazole	--	ND		**9.5**		**1 J**		6.8	
Chrysene [4]	**0.002***	ND		**0.27 J**		ND		**4.4**	
Dibenzo(ah)anthracene	--	ND		ND		ND		0.57 J	
Dibenzofuran	--	ND		**9.1**		**0.9 J**		16	
Diethyl phthalate	--	**0.86 J**		ND		ND		ND	
Fluoranthene	**50***	0.05 J		2.7		1.2		29.0	
Fluorene	**50***	ND		17		2.3 J		20	
Indeno(1,2,3-cd)pyrene [4]	**0.002***	ND		ND		**0.04 J**		**2.3**	
Naphthalene	**10***	0.13		**120**		**11**		**130**	
Pentachlorophenol	**1****	0.49 J		0.38 J		0.67 J		**1.1 J**	
Phenanthrene	**50***	0.08 J		29		3		38	
Phenol	**1****	**2.2 J**		1 J		**2.8 J**		**7**	
Pyrene	**50***	ND		1.8		0.94		26	
Total Phenolic Compounds	**1****	***2.69 J***		***3.18 J***		***3.47 J***		***34.6 J***	

Notes:

1. Only those compounds detected above the method detection limit at a minimum of one sample location are reported in this table.
2. NYSDEC Class "GA" Groundwater Quality Standards (GWQS) as per 6 NYCRR Part 703.
3. Field measurements were collected immediately before and after groundwater sample collection.
4. Method detection limits for benzo(a)anthracene and chrysene are above the GWQS/GV.

Acronyms:

J = Estimated value
ND = Indicates parameter was not detected above laboratory reporting limit.
" -- " = Not analyzed for this parameter or no GWQS/GV exists for this parameter.
" * " = The Guidance Value was used where a Standard has not been established.
" ** " = General GWQS of 1.0 ug/L for total phenolic compounds.

BOLD = exceeds GWQS/GV

FIGURES

Title:

SITE LOCATION & VICINITY MAP

HWMU-1 & HWMU-2 ANNUAL GROUNDWATER

MONITORING PROGRAM

FORMER BETHLEHEM STEEL LACKAWANNA COKE DIVISION SITE
LACKAWANNA, NEW YORK

Prepared for:

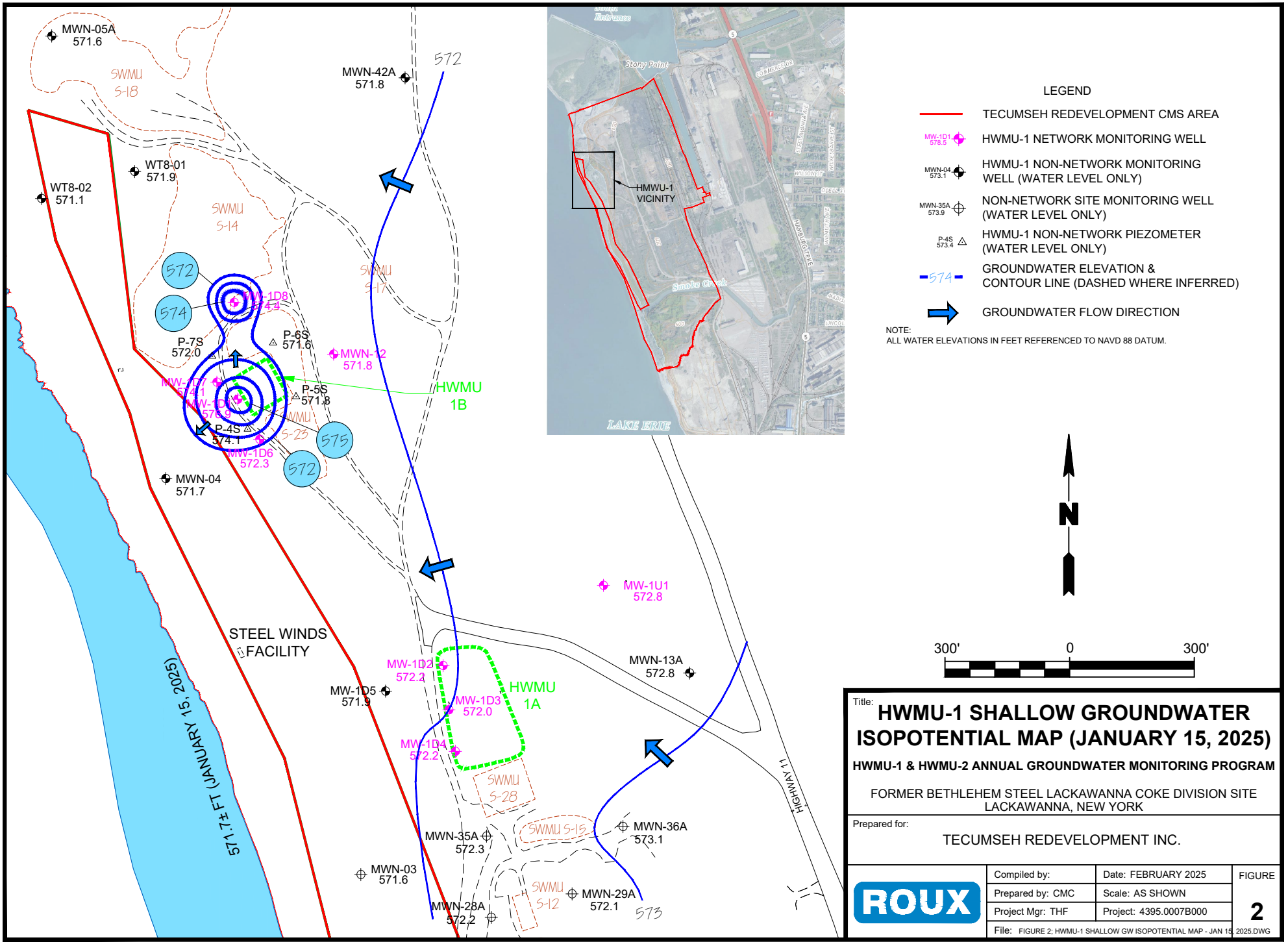
TECUMSEH REDEVELOPMENT INC.

ROUX

Compiled by:	Date: FEBRUARY 2025	FIGURE
Prepared by: CMC	Scale: AS SHOWN	
Project Mgr: THF	Project: 4395.0023B000	1
File: FIGURE 1; SITE LOCATION AND VICINITY MAP.DWG		

F:\CAD\TURNKEY\TECUMSEH REDEVELOPMENT\HWMU GROUNDWATER SAMPLING\2025\FIGURE 1; SITE LOCATION AND VICINITY MAP.DWG

F:\CAD\TURNKEY\TECUMSEH REDEVELOPMENT\HWMU GROUNDWATER SAMPLING\2025\FIGURE 2; HWMU-1 SHALLOW GW ISOPOTENTIAL MAP - JAN 15, 2025.DWG



Title:

HWMU-1 SHALLOW GROUNDWATER ISOPOTENTIAL MAP (JANUARY 15, 2025)

HWMU-1 & HWMU-2 ANNUAL GROUNDWATER MONITORING PROGRAM

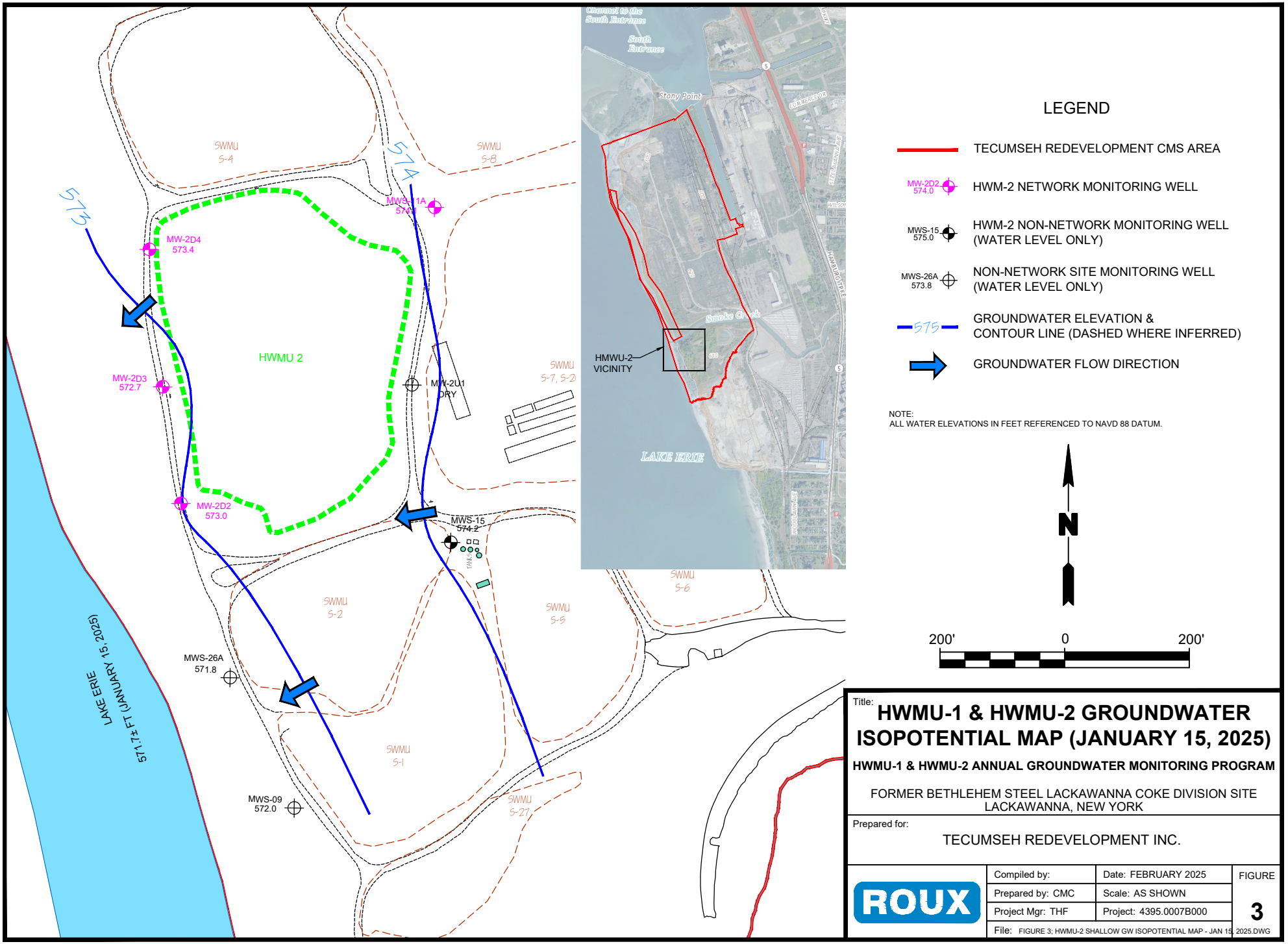
FORMER BETHLEHEM STEEL LACKAWANNA COKE DIVISION SITE
LACKAWANNA, NEW YORK

Prepared for:
TECUMSEH REDEVELOPMENT INC.

ROUX

Compiled by:	Date: FEBRUARY 2025	FIGURE
Prepared by: CMC	Scale: AS SHOWN	
Project Mgr: THF	Project: 4395.0007B000	2
File: FIGURE 2; HWMU-1 SHALLOW GW ISOPOTENTIAL MAP - JAN 15, 2025.DWG		

F:\CAD\TURNKEY\TECUMSEH REDEVELOPMENT\HWMU GROUNDWATER SAMPLING\2025\FIGURE 3; HWMU-2 SHALLOW GW ISOPOTENTIAL MAP - JAN 15, 2025.DWG



Title:

HWMU-1 & HWMU-2 GROUNDWATER ISOPOTENTIAL MAP (JANUARY 15, 2025)

HWMU-1 & HWMU-2 ANNUAL GROUNDWATER MONITORING PROGRAM

FORMER BETHLEHEM STEEL LACKAWANNA COKE DIVISION SITE
LACKAWANNA, NEW YORK

Prepared for:
TECUMSEH REDEVELOPMENT INC.

ROUX

Compiled by:	Date: FEBRUARY 2025	FIGURE
Prepared by: CMC	Scale: AS SHOWN	3
Project Mgr: THF	Project: 4395.0007B000	
File: FIGURE 3; HWMU-2 SHALLOW GW ISOPOTENTIAL MAP - JAN 15, 2025.DWG		

ATTACHMENT 1

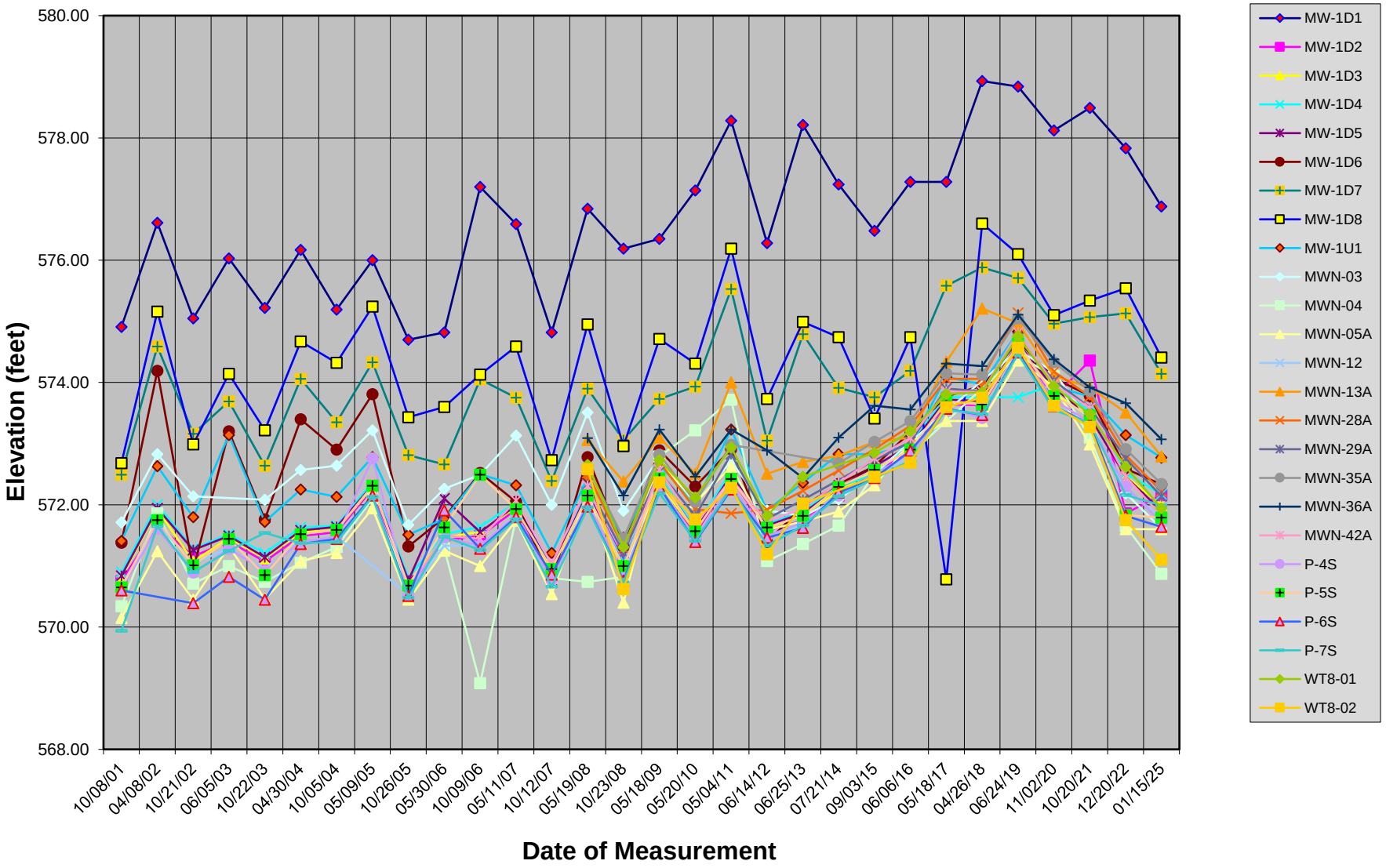
HISTORICAL GROUNDWATER ELEVATIONS SUMMARY

ROUX

ATTACHMENT 1

HISTORICAL GROUNDWATER ELEVATIONS
HWMU-1A & 1B

2001 to Present



Note:

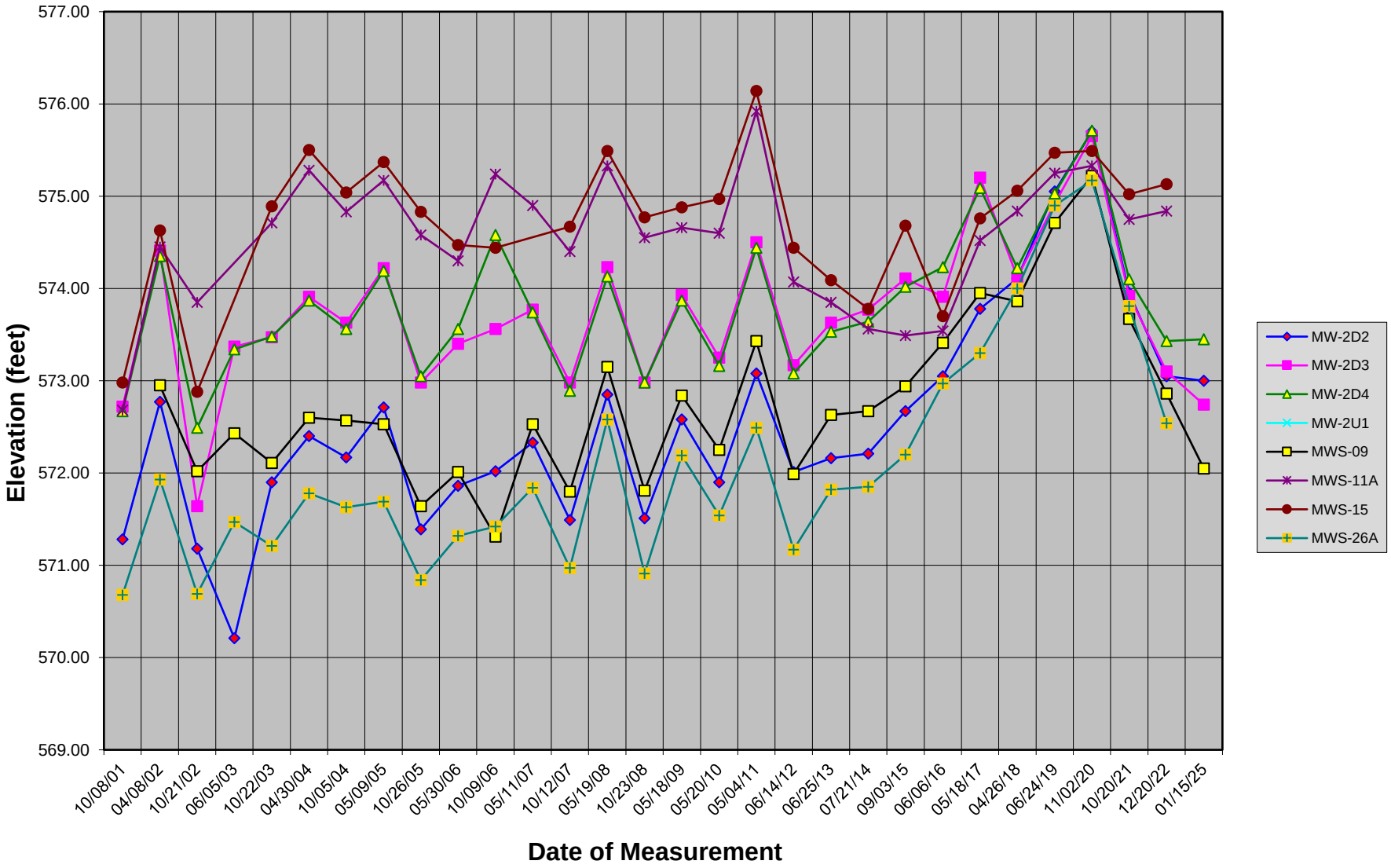
1. All water elevations in feet referenced to NAVD 88 Datum.

ROUX

ATTACHMENT 1

HISTORICAL GROUNDWATER ELEVATIONS
HWMU-2

2001 to Present



Note:

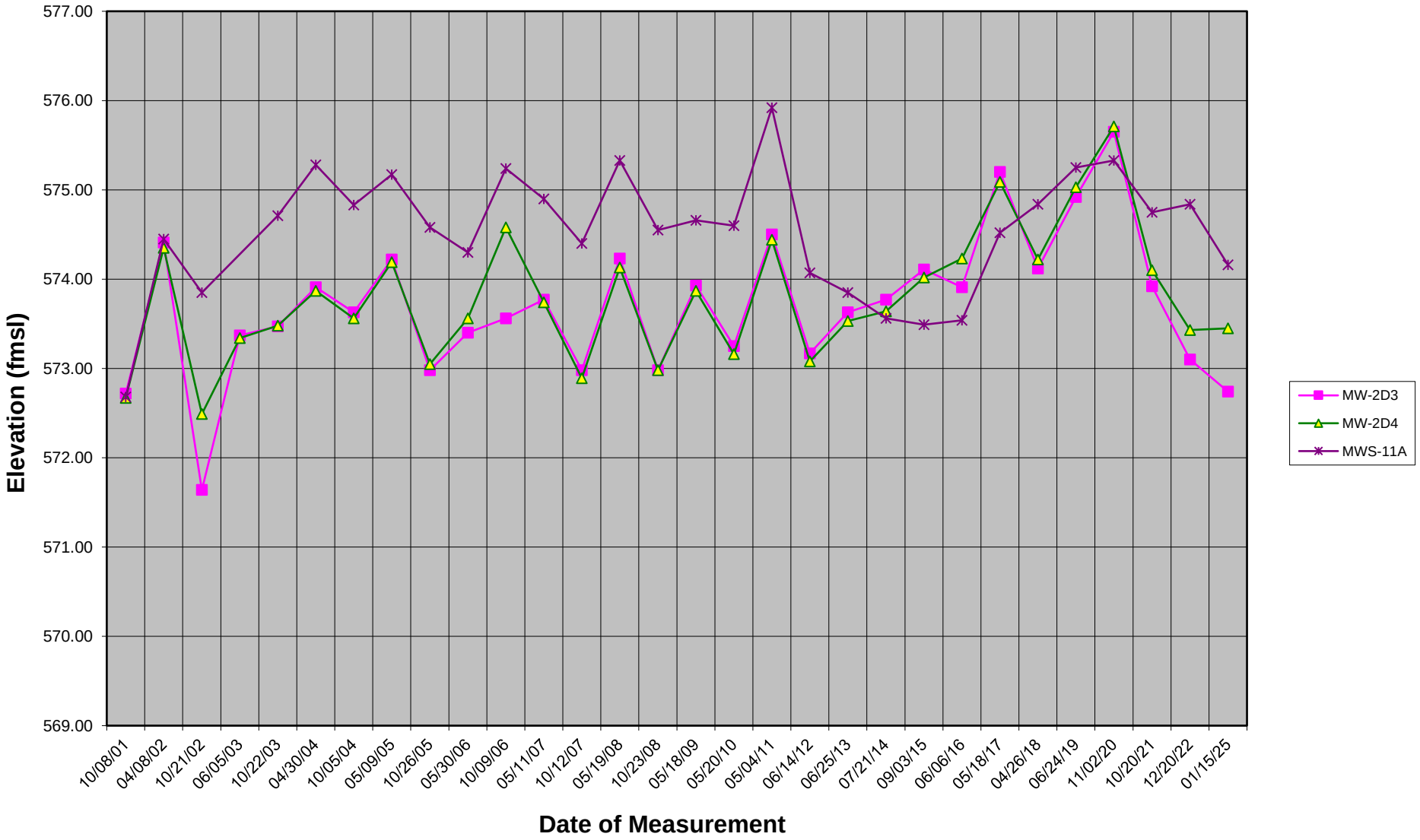
1. All water elevations in feet referenced to NAVD 88 Datum.

ROUX

ATTACHMENT 1

HISTORICAL GROUNDWATER ELEVATIONS
HWMU-2

2001 to Present

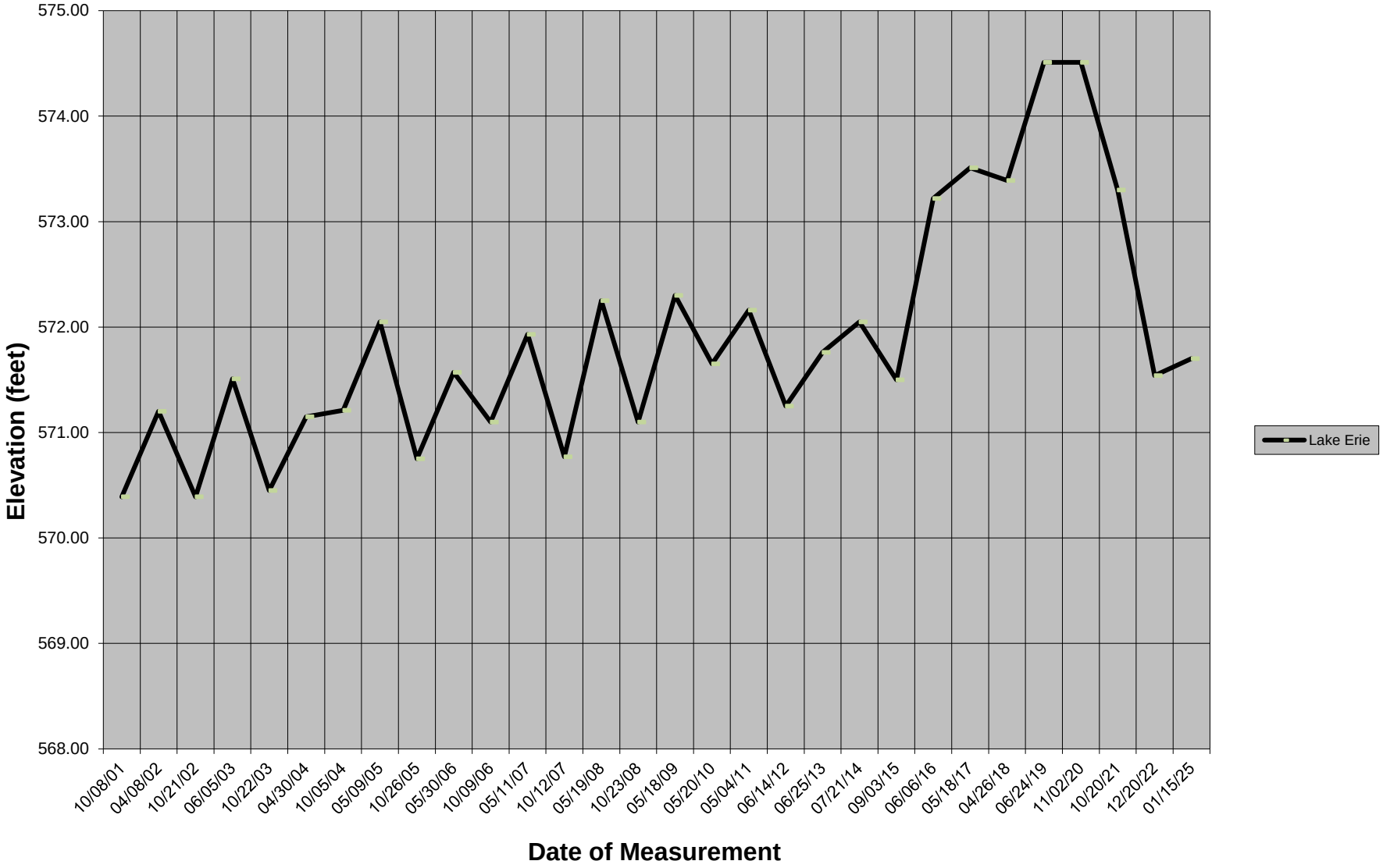


ROUX

ATTACHMENT 1

HISTORICAL GROUNDWATER ELEVATIONS
LAKE ERIE

2001 to Present



Note:

1. All water elevations in feet referenced to NAVD 88 Datum.

ATTACHMENT 2A

GROUNDWATER FIELD FORMS & EQUIPMENT CALIBRATION LOGS

ROUX

GROUNDWATER FIELD FORM

Project Name: Tecumseh Humic Gum Date: 11/5/25

Location: Project No.: Field Team:

Well No. MW-1D1 | Diameter (inches): 4 | Sample Date / Time: 11/5/25

Product Depth (fbTOR): | Water Column (ft): | DTW when sampled:

DTW (static) (fbTOR): 33.21 | One Well Volume (gal): | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample

Total Depth (fbTOR): 49.95 | Total Volume Purged (gal): | Purge Method: Low Flow

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
0945 (0941)	0	Initial		10.33	9.3	2367	41	2.15	+8	Clear
	1	35.24	2	10.17	10.1	3149	13	1.31	-30	Clear
	2	36.49	3	10.05	8.9	3137	13.9	1.66	-39	Clear
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									

Sample Information:

1000 (1000)	S1 37.33	5	9.94	8.5	3114	51	1.13	+22	Clear
	S2 37.35	5.5	10.05	8.6	3110	50	1.36	+23	Clear

Well No. MW 1D2 | Diameter (inches): 4 | Sample Date / Time: 11/7/25

Product Depth (fbTOR): | Water Column (ft): | DTW when sampled:

DTW (static) (fbTOR): 42.30 | One Well Volume (gal): | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample

Total Depth (fbTOR): 49.5 | Total Volume Purged (gal): | Purge Method: Low Flow

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0	Initial		12.37	11.9	2584	51	1.77	-202	Turbid
	1									
0953	2	42.30		12.36	11.4	2328	27	~~1.39~~ 2.30	-231	Clear
	3									
0944	4	42.20	3.5	12.49	11.1	2032	18	1.85	-241	Clear
	5									
	6									
	7									
	8									
	9									
	10									

Sample Information:

0900	S1 42.20	4	12.51	11.3	2110	17	1.42	-211	Clear
	S2		12.50	11.5	2180	13	1.36	-210	Clear

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

ROUX

GROUNDWATER FIELD FORM

Project Name: Tecumseh - Harmony Commons Date: 11/17/25

Location: Project No.: Field Team:

Well No.	MW 103	Diameter (inches):	4	Sample Date / Time:	11/17/25
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):	40.7	One Well Volume (gal):		Purpose: ☐ Development ☐ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	48.10	Total Volume Purged (gal):		Purge Method:	~~Bail~~ Low Flow

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1035	0	Initial		12.51	9.9	3205	108	0.41	-438	Turbid
1041	1	40.40	2.5	12.53	10.2	2824	49	~~0.45~~	-417	~~Turbid~~
1047	2	40.40	3.5	12.61		2471	29	0.45	-420	Clear
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
~~1055~~	S1	40.45	5	12.61	10.9	2470	25	1.26	-422	Clear
1057	S2			12.66	10.4	2444	26	1.13	-421	"

Well No.	MW 104	Diameter (inches):	4"	Sample Date / Time:	11/17/25
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):	40.35	One Well Volume (gal):		Purpose: ☐ Development ☐ Sample ☒ Purge & Sample	
Total Depth (fbTOR):	46.39	Total Volume Purged (gal):		Purge Method:	Low Flow

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1000	0	Initial		12.61	8.2	1983	18	2.03	-275	clear
	1	40.40	2.5	12.70	8.9	2113	10	2.39	-354	clear
	2	40.35		12.71	12.1	2132	9.3	1.99	-338	clear
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1020	S1	40.3	4	12.69	12.2	2148	9.26	~~1.99~~ 1.90	-338	clear
1022	S2			12.70	12.1	2131	9.7	1.88	-330	clear

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

ROUX

GROUNDWATER FIELD FORM

Project Name: Tecumseh Humic Gum Date: 1/15/25

Location: Project No.: Field Team: MD JAB

Well No. MW 106			Diameter (inches): 2"			Sample Date / Time: 1/15/25			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR): 38.11			One Well Volume (gal): 0.3			Purpose: ☐ Development ☐ Sample ☑ Purge & Sample			
Total Depth (fbTOR): 42.15			Total Volume Purged (gal):			Purge Method: Low Flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
0903	0 Initial		11.21	10	3084 MJ	4/4	2.75	+10	clear
0906	1 0.4		11.13	10.4	6514		—	+13	clear
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
0910	S1 3903	1.50	11.38	10.5	4119	12	1.39	-45	clear
	S2		11.41	10.4	4111	12	1.53	-46	" "

Well No. MW 107			Diameter (inches): 2"			Sample Date / Time: 1/15/25			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR): 37.12			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☑ Purge & Sample			
Total Depth (fbTOR): ~~42.58~~ 45.35			Total Volume Purged (gal):			Purge Method: Low Flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
10:23	0 Initial		9.11	9.2	3020	17.4	3.43	+88	clear
10:34	1 37.24	2	8.39	8.7	2902	12.6	2.95	+91	" "
	2	4	8.53	8.6	2936	8.72	1.39	-156	clear
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
10:45	S1 37.58	4	8.63	8.2	2913	6.35	1.42	-107	clear
	S2		8.72	8.2	2910	6.11	1.41	-111	clear

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

GROUNDWATER FIELD FORM

Project Name: Tecumseh Hummel Gum Date: 11/15/25
Location: Project No.: Field Team: RLD / TAS

Well No. MW 108			Diameter (inches): 2"			Sample Date / Time: 11/15/25			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR): 36.33			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☑ Purge & Sample			
Total Depth (fbTOR): 43.55			Total Volume Purged (gal):			Purge Method: Low Flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1127	0 Initial		10.17	8.6	2224	33	2.42	+37	Clear
1131	1 37.4	3	10.07	11.3	2159	6.1	5.01	+38	" "
1146	2 37.45	4	10.81	11.5	2158	5.14	1.94	+25	" "
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1145	S1	5	10.81	11.5	2214	6.10	1.37	+27	Clear
	S2		11.04	11.6	2210	6.00	1.10	+28	

Well No. MW-101			Diameter (inches): 4"			Sample Date / Time: 11/15/25			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR): 40.41			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☑ Purge & Sample			
Total Depth (fbTOR): 66.5			Total Volume Purged (gal):			Purge Method: Low Flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1328	0 Initial		12.29	11.6	2038	10	1.90	-93	Clear
1331	1 40.41	2	12.26	11.6	2115	9.4	1.56	-107	" "
1335	2 40.41	4	12.21	11.6	2140	9.5	1.70	-118	" "
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1340	S1 40.41	6	12.30	11.1	2087	10.5	1.80	-128	Clear
1345	S2 40.41	6.5	12.31	11.0	2094	11	1.82	-131	Clear

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

ROUX

GROUNDWATER FIELD FORM

Project Name: Tecumseh Hw mu Gum   Date: 1/15/25
Location: Project No.:   Field Team: NVD / TAB

Well No. MWN-12	Diameter (inches): 4"	Sample Date / Time: 1/15/25
Product Depth (fbTOR):	Water Column (ft):	DTW when sampled:
DTW (static) (fbTOR): 26.79	One Well Volume (gal):	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample
Total Depth (fbTOR): 40.40	Total Volume Purged (gal):	Purge Method: low flow

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1400	0	Initial		12.45	9.2	2584	20	1.98	-160	clean
	1	~~[illegible]~~	4	12.52	[illegible]	2860	8.18	2.17	-201	clean
	2	~~[illegible]~~	5	12.49	8.50	28[illegible]	6.50		-225	clean
	3	36.80								
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
14.15	S1	~~[illegible]~~ 36.80	6	12.48	11.7	2850	6	2.41	-224	clear
	S2			12.45	11.8	2878	6	2.33	-220	" "

Well No.	Diameter (inches):	Sample Date / Time:
Product Depth (fbTOR):	Water Column (ft):	DTW when sampled:
DTW (static) (fbTOR):	One Well Volume (gal):	Purpose: ☐ Development ☐ Sample ☐ Purge & Sample
Total Depth (fbTOR):	Total Volume Purged (gal):	Purge Method:

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0	Initial								
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
	S1									
	S2									

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

ROUX

GROUNDWATER FIELD FORM

Project Name: Tecumseh HWMU GWM Date: 11/6/25
Location: MW-202 Project No.: Field Team: MTF/NLD

Well No. MW-202			Diameter (inches): 4"			Sample Date / Time: 11/6/25			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR): 59.65			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☑ Purge & Sample			
Total Depth (fbTOR): 65.20			Total Volume Purged (gal):			Purge Method: BAILER			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
0840	0 Initial	3.69	9.53	11.5	912	15	2.46	+92	Clear
0850	1	4	9.56	11.1	1007	18	2.84	+101	Clear
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
0915	S1 59.75	9.25	9.70	10.9	839	23	2.08	+101	clear
	S2		9.61	11	842	22	2.50	+111	"

Well No. MW-203			Diameter (inches): 4"			Sample Date / Time: 11/6/25			
Product Depth (fbTOR): 62.77			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR): ~~62.76~~			One Well Volume (gal): 2.91			Purpose: ☑ Development ☐ Sample ☑ Purge & Sample			
Total Depth (fbTOR): 67.20			Total Volume Purged (gal):			Purge Method: BAILER			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1054	0 Initial	~~4~~ 8	10.98	13.3	901	46	2.46	+3	clear
	1		11.47	12.7	904	41	2.15	-159	clear
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1130	S1 62.50	12	11.10	13.7	901	43	2.10	-161	clear
	S2		11.16	13	901	44	2.00	-160	"

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

GROUNDWATER FIELD FORM

Project Name: Tecumseh Hwy
Location: Project No.:
Date: 1/16/25
Field Team: MTF / RLD

Well No.	MW-204	Diameter (inches):	4"	Sample Date / Time:	1/16/25
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):	56.15	One Well Volume (gal):	4.25	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	62.60	Total Volume Purged (gal):		Purge Method:	Mixer

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0	Initial		9.35		800	42	1.97		
	1		4					2.04	+20	
	2				13.3					
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1240	S1	56.18	12	9.26	13.4	793	41	3.98	436	Clear
	S2			9.29	13.1	788	40	3.86	+30	"

Well No.	MW-11A	Diameter (inches):	4"	Sample Date / Time:	1/16/25
Product Depth (fbTOR):	65.20	Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):		One Well Volume (gal):	5.33	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	73.28	Total Volume Purged (gal):		Purge Method:	Bailer

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0	Initial	~~5~~	~~12.33~~ 12.22	13.4	1326	36	3.30	-210	Sheen
	1	65.10	5	~~11.99~~	13.2	1325	30	2.98	-220	Sheen
	2		10							
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:			15							
1330	S1	65.20	~~65.20~~	12.21	13.1	1313	38	3.35	-214	Sheen
	S2			12.18	13	1300	31	3.10	-218	"

REMARKS: MW-11A - Product on Bailer. Use Interface Probe for next round of samples to check product thickness

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

ROUX

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: Tecum 3rd

Project No.:

Client:

Date: 11/5/25

Instrument Source: ☒ Roux ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units		Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☒ 6243003 ☐ 6223973 ☐	RLD	4.00 7.00 10.01	4.01 7.01 10.00	
☒ Turbidity meter	NTU		Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) ☐ 13120C030432 (Q) ☐ 17110C062619 (Q) ☒	RLD	10 NTU verification <0.4 20 100 800	 0.3 21 101 799	
☒ Sp. Cond. meter	uS mS		Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☒ 6243003 ☐ 6223973 ☐	RLD	_____ mS @ 25 °C		
☐ PID	ppm		MinRAE 2000			open air zero _____ ppm Iso. Gas		MIBK response factor = 1.0
☒ Dissolved Oxygen	ppm		HACH Model HQ30d	171932597009 ☐ 100500041867 ☐ 22293299821 ☒	RLD	100% Satuartion	100%	
☐ Particulate meter	mg/m^3					zero air		
☐ Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: RLD **DATE:** 11/5/25

ROUX

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: Tecumseh Humu GWM

Project No.:

Client: Tecumseh

Date: 1/16/25

Instrument Source: ☑ Roux ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☑ pH meter	units		Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☑ 6243003 ☐ 6223973 ☐	RLD	4.00 7.00 10.01	4.01 7.01 10.02	
☑ Turbidity meter	NTU		Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) ☐ 13120C030432 (Q) ☐ 17110C062619 (Q) ☑	RLD	10 NTU verification <0.4 20 100 800	 <0.3 19 99 801	
☑ Sp. Cond. meter	uS mS		Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☑ 6243003 ☐ 6223973 ☐	RLD	_____ mS @ 25 °C		
☐ PID	ppm		MinRAE 2000			open air zero _____ ppm Iso. Gas		MIBK response factor = 1.0
☑ Dissolved Oxygen	ppm		HACH Model HQ30d	171932597009 ☐ 100500041867 ☐ 22293299821 ☑	RLD	100% Satuartion	100%	
☐ Particulate meter	mg/m^3					zero air		
☐ Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: **DATE:** 1/16/25

ATTACHMENT 2B

LABORATORY ANALYTICAL DATA PACKAGE

ANALYTICAL REPORT

Lab Number:	L2503004
Client:	Roux 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Rick Dubisz
Phone:	(716) 856-0599
Project Name:	TECUMSEH HWMU
Project Number:	4395.0023B000
Report Date:	01/24/25

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2503004-01	MW-1D2	WATER	LACKAWANNA, NY	01/17/25 09:00	01/17/25
L2503004-02	MW-1D3	WATER	LACKAWANNA, NY	01/17/25 10:55	01/17/25
L2503004-03	MW-1D4	WATER	LACKAWANNA, NY	01/17/25 10:20	01/17/25
L2503004-04	MW-2D2	WATER	LACKAWANNA, NY	01/16/25 09:15	01/17/25
L2503004-05	MW-2D3	WATER	LACKAWANNA, NY	01/16/25 11:30	01/17/25
L2503004-06	MW-2D4	WATER	LACKAWANNA, NY	01/16/25 12:40	01/17/25
L2503004-07	MWS-11A	WATER	LACKAWANNA, NY	01/16/25 13:30	01/17/25
L2503004-08	MW-1D1	WATER	LACKAWANNA, NY	01/15/25 10:00	01/17/25
L2503004-09	MW-1D6	WATER	LACKAWANNA, NY	01/15/25 09:10	01/17/25
L2503004-10	MW-1D7	WATER	LACKAWANNA, NY	01/15/25 10:45	01/17/25
L2503004-11	MW-1D8	WATER	LACKAWANNA, NY	01/15/25 11:45	01/17/25
L2503004-12	MW-1U1	WATER	LACKAWANNA, NY	01/15/25 13:40	01/17/25
L2503004-13	MWN-12	WATER	LACKAWANNA, NY	01/15/25 14:15	01/17/25
L2503004-14	TRIP BLANK	WATER	LACKAWANNA, NY	01/17/25 00:00	01/17/25

Project Name:	TECUMSEH HWMU	**Lab Number:**	L2503004
Project Number:	4395.0023B000	**Report Date:**	01/24/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	TECUMSEH HWMU	**Lab Number:**	L2503004
Project Number:	4395.0023B000	**Report Date:**	01/24/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analyses performed were specified by the client.

Volatile Organics

L2503004-08D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics by SIM

L2503004-05D: The sample has elevated detection limits due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 01/24/25

ORGANICS

VOLATILES

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-01
Client ID: MW-1D2
Sample Location: LACKAWANNA, NY
Date Collected: 01/17/25 09:00
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/24/25 10:42
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	1.3		ug/l	0.50	0.16	1
Toluene	2.2	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	2.8		ug/l	2.5	0.70	1
o-Xylene	1.8	J	ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	4.8		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	9.9		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	123		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-02
Client ID: MW-1D3
Sample Location: LACKAWANNA, NY
Date Collected: 01/17/25 10:55
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/22/25 10:28
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	3.0		ug/l	0.50	0.16	1
Toluene	1.3	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	1.2	J	ug/l	2.5	0.70	1
o-Xylene	1.4	J	ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	120		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-03
Client ID: MW-1D4
Sample Location: LACKAWANNA, NY
Date Collected: 01/17/25 10:20
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/20/25 23:44
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	6.8		ug/l	0.50	0.16	1
Toluene	3.0		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	2.4	J	ug/l	2.5	0.70	1
o-Xylene	2.5		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	1.2	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	106		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-04
Client ID: MW-2D2
Sample Location: LACKAWANNA, NY
Date Collected: 01/16/25 09:15
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/21/25 00:06
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	108		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-05
Client ID: MW-2D3
Sample Location: LACKAWANNA, NY
Date Collected: 01/16/25 11:30
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/21/25 00:28
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	4.7		ug/l	0.50	0.16	1
Toluene	4.6		ug/l	2.5	0.70	1
Ethylbenzene	1.6	J	ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	10		ug/l	2.5	0.70	1
o-Xylene	5.8		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	1.3	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	2.8		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	107		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-06
Client ID: MW-2D4
Sample Location: LACKAWANNA, NY
Date Collected: 01/16/25 12:40
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/21/25 00:51
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	2.6		ug/l	0.50	0.16	1
Toluene	1.3	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	1.8	J	ug/l	2.5	0.70	1
o-Xylene	1.2	J	ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-07
Client ID: MWS-11A
Sample Location: LACKAWANNA, NY
Date Collected: 01/16/25 13:30
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/21/25 01:13
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	1.8		ug/l	0.50	0.16	1
Toluene	1.7	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	3.7		ug/l	2.5	0.70	1
o-Xylene	1.7	J	ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	1.3	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	2.5		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	106		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-08 D
Client ID: MW-1D1
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 10:00
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/21/25 17:02
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	8.3		ug/l	1.0	0.32	2
Toluene	5.7		ug/l	5.0	1.4	2
Ethylbenzene	16		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	3.6		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-08 D
Client ID: MW-1D1
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 10:00
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	0.33	2
p/m-Xylene	15		ug/l	5.0	1.4	2
o-Xylene	39		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Styrene	4.0	J	ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
n-Propylbenzene	1.8	J	ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	45		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	117		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-09
Client ID: MW-1D6
Sample Location: LACKAWANNA, NY
Date Collected: 01/15/25 09:10
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/21/25 15:14
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	2.3	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.33	J	ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.8		ug/l	0.50	0.16	1
Toluene	0.86	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-09 Date Collected: 01/15/25 09:10

Client ID: MW-1D6 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.8	J	ug/l	5.0	1.5	1
Carbon disulfide	1.9	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	0.88	J	ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	126		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-10
Client ID: MW-1D7
Sample Location: LACKAWANNA, NY
Date Collected: 01/15/25 10:45
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/21/25 15:36
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	6.6		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	2.1		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	29		ug/l	2.5	0.70	1
Trichloroethene	0.73		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-10 Date Collected: 01/15/25 10:45

Client ID: MW-1D7 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	20		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	117		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-11
Client ID: MW-1D8
Sample Location: LACKAWANNA, NY
Date Collected: 01/15/25 11:45
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/21/25 15:57
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.41	J	ug/l	0.50	0.16	1
Toluene	1.4	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-11 Date Collected: 01/15/25 11:45

Client ID: MW-1D8 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	1.1	J	ug/l	2.5	0.70	1
o-Xylene	0.79	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	128		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-12
Client ID: MW-1U1
Sample Location: LACKAWANNA, NY
Date Collected: 01/15/25 13:40
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/21/25 16:19
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	32		ug/l	0.50	0.16	1
Toluene	5.9		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-12 Date Collected: 01/15/25 13:40

Client ID: MW-1U1 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	4.0		ug/l	2.5	0.70	1
o-Xylene	3.7		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	0.87	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	115		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-13
Client ID: MWN-12
Sample Location: LACKAWANNA, NY
Date Collected: 01/15/25 14:15
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/21/25 16:41
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	3.7		ug/l	0.50	0.16	1
Toluene	1.1	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-13 Date Collected: 01/15/25 14:15

Client ID: MWN-12 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	0.88	J	ug/l	2.5	0.70	1
o-Xylene	0.84	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	0.75	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	122		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-14
Client ID: TRIP BLANK
Sample Location: LACKAWANNA, NY
Date Collected: 01/17/25 00:00
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/21/25 14:52
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-14 Date Collected: 01/17/25 00:00

Client ID: TRIP BLANK Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	127		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/20/25 22:37
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-07 Batch: WG2022060-5					
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	109		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/21/25 09:48
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-14 Batch: WG2022360-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/21/25 09:48
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-14 Batch: WG2022360-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/21/25 09:48
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-14 Batch: WG2022360-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	119		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/22/25 10:03
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2022704-5					
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	116		70-130

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/24/25 10:20
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2023241-5					
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	114		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-07 Batch: WG2022060-3 WG2022060-4								
Benzene	77		76		70-130	1		20
Toluene	84		85		70-130	1		20
Ethylbenzene	87		86		70-130	1		20
Methyl tert butyl ether	80		78		63-130	3		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
n-Butylbenzene	86		86		53-136	0		20
sec-Butylbenzene	86		86		70-130	0		20
tert-Butylbenzene	89		89		70-130	0		20
Isopropylbenzene	86		86		70-130	0		20
p-Isopropyltoluene	92		91		70-130	1		20
n-Propylbenzene	84		84		69-130	0		20
1,3,5-Trimethylbenzene	87		86		64-130	1		20
1,2,4-Trimethylbenzene	87		87		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		92		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	105		106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-14 Batch: WG2022360-3 WG2022360-4								
Methylene chloride	100		97		70-130	3		20
1,1-Dichloroethane	100		99		70-130	1		20
Chloroform	100		99		70-130	1		20
Carbon tetrachloride	100		89		63-132	12		20
1,2-Dichloropropane	85		82		70-130	4		20
Dibromochloromethane	80		72		63-130	11		20
1,1,2-Trichloroethane	84		82		70-130	2		20
Tetrachloroethene	110		84		70-130	**27**	Q	20
Chlorobenzene	98		91		75-130	7		20
Trichlorofluoromethane	94		89		62-150	5		20
1,2-Dichloroethane	93		94		70-130	1		20
1,1,1-Trichloroethane	100		92		67-130	8		20
Bromodichloromethane	88		85		67-130	3		20
trans-1,3-Dichloropropene	81		79		70-130	3		20
cis-1,3-Dichloropropene	79		79		70-130	0		20
Bromoform	71		64		54-136	10		20
1,1,2,2-Tetrachloroethane	86		83		67-130	4		20
Benzene	96		90		70-130	6		20
Toluene	100		91		70-130	9		20
Ethylbenzene	100		92		70-130	8		20
Chloromethane	110		100		64-130	10		20
Bromomethane	88		86		39-139	2		20
Vinyl chloride	93		91		55-140	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-14 Batch: WG2022360-3 WG2022360-4								
Chloroethane	100		97		55-138	3		20
1,1-Dichloroethene	100		92		61-145	8		20
trans-1,2-Dichloroethene	100		94		70-130	6		20
Trichloroethene	90		82		70-130	9		20
1,2-Dichlorobenzene	95		88		70-130	8		20
1,3-Dichlorobenzene	100		91		70-130	9		20
1,4-Dichlorobenzene	97		89		70-130	9		20
Methyl tert butyl ether	64		66		63-130	3		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		95		70-130	5		20
cis-1,2-Dichloroethene	100		93		70-130	7		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		98		36-147	2		20
Acetone	91		100		58-148	9		20
Carbon disulfide	120		100		51-130	18		20
2-Butanone	67		76		63-138	13		20
4-Methyl-2-pentanone	63		71		59-130	12		20
2-Hexanone	68		76		57-130	11		20
Bromochloromethane	100		94		70-130	6		20
1,2-Dibromoethane	86		84		70-130	2		20
n-Butylbenzene	110		88		53-136	**22**	Q	20
sec-Butylbenzene	100		88		70-130	13		20
1,2-Dibromo-3-chloropropane	78		81		41-144	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-14 Batch: WG2022360-3 WG2022360-4								
Isopropylbenzene	96		79		70-130	19		20
p-Isopropyltoluene	99		87		70-130	13		20
n-Propylbenzene	100		86		69-130	15		20
1,2,3-Trichlorobenzene	84		84		70-130	0		20
1,2,4-Trichlorobenzene	83		82		70-130	1		20
1,3,5-Trimethylbenzene	100		86		64-130	15		20
1,2,4-Trimethylbenzene	100		89		70-130	12		20
Methyl Acetate	84		92		70-130	9		20
Cyclohexane	86		79		70-130	8		20
1,4-Dioxane	106		100		56-162	6		20
Freon-113	100		93		70-130	7		20
Methyl cyclohexane	85		79		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		106		70-130
Toluene-d8	105		100		70-130
4-Bromofluorobenzene	95		91		70-130
Dibromofluoromethane	105		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2022704-3 WG2022704-4								
Benzene	99		100		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		110		70-130	10		20
Methyl tert butyl ether	66		70		63-130	6		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		110		70-130	5		20
n-Butylbenzene	110		120		53-136	9		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	97		100		70-130	3		20
Isopropylbenzene	99		100		70-130	1		20
p-Isopropyltoluene	98		110		70-130	12		20
n-Propylbenzene	100		110		69-130	10		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		102		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	96		93		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2023241-3 WG2023241-4								
Benzene	97		85		70-130	13		20
Toluene	99		87		70-130	13		20
Ethylbenzene	100		90		70-130	11		20
Methyl tert butyl ether	65		**61**	Q	63-130	6		20
p/m-Xylene	110		90		70-130	20		20
o-Xylene	105		95		70-130	10		20
n-Butylbenzene	110		94		53-136	16		20
sec-Butylbenzene	100		90		70-130	11		20
tert-Butylbenzene	98		84		70-130	15		20
Isopropylbenzene	99		86		70-130	14		20
p-Isopropyltoluene	100		86		70-130	15		20
n-Propylbenzene	100		91		69-130	9		20
1,3,5-Trimethylbenzene	100		92		64-130	8		20
1,2,4-Trimethylbenzene	100		92		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		102		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	99		103		70-130

SEMIVOLATILES

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-01
Client ID: MW-1D2
Sample Location: LACKAWANNA, NY

Date Collected: 01/17/25 09:00
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/19/25 19:55
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	1.6	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	6.9		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	9.4		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	1.1	J	ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-01 Date Collected: 01/17/25 09:00

Client ID: MW-1D2 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	3.4	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	2.3	J	ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	2.0		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	83		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-01 D
Client ID: MW-1D2
Sample Location: LACKAWANNA, NY

Date Collected: 01/17/25 09:00
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/24/25 13:13
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.6		ug/l	0.50	0.12	5
2-Chloronaphthalene	ND		ug/l	1.0	0.11	5
Fluoranthene	0.45	J	ug/l	0.50	0.14	5
Hexachlorobutadiene	ND		ug/l	2.5	0.10	5
Naphthalene	190		ug/l	0.50	0.12	5
Benzo(a)anthracene	ND		ug/l	0.50	0.15	5
Benzo(a)pyrene	ND		ug/l	0.50	0.12	5
Benzo(b)fluoranthene	ND		ug/l	0.50	0.14	5
Benzo(k)fluoranthene	ND		ug/l	0.50	0.17	5
Chrysene	ND		ug/l	0.50	0.16	5
Acenaphthylene	35		ug/l	0.50	0.10	5
Anthracene	0.51		ug/l	0.50	0.12	5
Benzo(ghi)perylene	ND		ug/l	0.50	0.12	5
Fluorene	6.0		ug/l	0.50	0.13	5
Phenanthrene	3.0		ug/l	0.50	0.20	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.12	5
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.50	0.11	5
Pyrene	0.30	J	ug/l	0.50	0.21	5
2-Methylnaphthalene	96		ug/l	0.50	0.14	5
Pentachlorophenol	ND		ug/l	4.0	0.28	5
Hexachlorobenzene	ND		ug/l	4.0	0.07	5
Hexachloroethane	ND		ug/l	4.0	0.11	5

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-01 D
Client ID: MW-1D2
Sample Location: LACKAWANNA, NY

Date Collected: 01/17/25 09:00
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	**126**	Q	10-120
4-Terphenyl-d14	101		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-02
Client ID: MW-1D3
Sample Location: LACKAWANNA, NY

Date Collected: 01/17/25 10:55
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/19/25 20:19
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	0.72	J	ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-02 Date Collected: 01/17/25 10:55

Client ID: MW-1D3 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	4.6	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	4.0	J	ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	1.3	J	ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	83		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-02
Client ID: MW-1D3
Sample Location: LACKAWANNA, NY

Date Collected: 01/17/25 10:55
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/22/25 09:16
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.91		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.90		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	5.9		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.05	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	1.4		ug/l	0.10	0.02	1
Anthracene	0.24		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	2.1		ug/l	0.10	0.03	1
Phenanthrene	2.8		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.71		ug/l	0.10	0.04	1
2-Methylnaphthalene	1.3		ug/l	0.10	0.03	1
Pentachlorophenol	0.91		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-02 Date Collected: 01/17/25 10:55

Client ID: MW-1D3 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	115		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	114		10-120
4-Terphenyl-d14	111		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-03
Client ID: MW-1D4
Sample Location: LACKAWANNA, NY

Date Collected: 01/17/25 10:20
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/19/25 20:42
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	0.65	J	ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	1.7	J	ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-03 Date Collected: 01/17/25 10:20

Client ID: MW-1D4 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	2.6	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	4.0	J	ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	2.9		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	79		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-03
Client ID: MW-1D4
Sample Location: LACKAWANNA, NY

Date Collected: 01/17/25 10:20
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/22/25 09:32
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.8		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	1.4		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	13		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	2.1		ug/l	0.10	0.02	1
Anthracene	0.82		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	4.2		ug/l	0.10	0.03	1
Phenanthrene	6.2		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.92		ug/l	0.10	0.04	1
2-Methylnaphthalene	3.3		ug/l	0.10	0.03	1
Pentachlorophenol	0.72	J	ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-03 Date Collected: 01/17/25 10:20

Client ID: MW-1D4 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	116		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	117		10-120
4-Terphenyl-d14	114		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-04
Client ID: MW-2D2
Sample Location: LACKAWANNA, NY

Date Collected: 01/16/25 09:15
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/19/25 21:06
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	6.9		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	0.86	J	ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-04 Date Collected: 01/16/25 09:15

Client ID: MW-2D2 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	2.2	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	10.		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	94		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-04
Client ID: MW-2D2
Sample Location: LACKAWANNA, NY

Date Collected: 01/16/25 09:15
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/22/25 09:48
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.05	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.13		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	0.09	J	ug/l	0.10	0.02	1
Anthracene	0.07	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	0.08	J	ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	0.49	J	ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-04 Date Collected: 01/16/25 09:15

Client ID: MW-2D2 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	**129**	Q	23-120
2-Fluorobiphenyl	104		15-120
2,4,6-Tribromophenol	118		10-120
4-Terphenyl-d14	120		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-05
Client ID: MW-2D3
Sample Location: LACKAWANNA, NY

Date Collected: 01/16/25 11:30
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/19/25 21:30
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	8.4		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	2.4		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	9.1		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-05 Date Collected: 01/16/25 11:30

Client ID: MW-2D3 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	1.0	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	1.8	J	ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	9.5		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	87		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-05 D
Client ID: MW-2D3
Sample Location: LACKAWANNA, NY

Date Collected: 01/16/25 11:30
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/24/25 13:30
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	3.2		ug/l	0.50	0.12	5
2-Chloronaphthalene	ND		ug/l	1.0	0.11	5
Fluoranthene	2.7		ug/l	0.50	0.14	5
Hexachlorobutadiene	ND		ug/l	2.5	0.10	5
Naphthalene	120		ug/l	0.50	0.12	5
Benzo(a)anthracene	0.37	J	ug/l	0.50	0.15	5
Benzo(a)pyrene	0.17	J	ug/l	0.50	0.12	5
Benzo(b)fluoranthene	0.22	J	ug/l	0.50	0.14	5
Benzo(k)fluoranthene	ND		ug/l	0.50	0.17	5
Chrysene	0.27	J	ug/l	0.50	0.16	5
Acenaphthylene	20		ug/l	0.50	0.10	5
Anthracene	3.5		ug/l	0.50	0.12	5
Benzo(ghi)perylene	ND		ug/l	0.50	0.12	5
Fluorene	17		ug/l	0.50	0.13	5
Phenanthrene	29		ug/l	0.50	0.20	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.12	5
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.50	0.11	5
Pyrene	1.8		ug/l	0.50	0.21	5
2-Methylnaphthalene	16		ug/l	0.50	0.14	5
Pentachlorophenol	0.38	J	ug/l	4.0	0.28	5
Hexachlorobenzene	ND		ug/l	4.0	0.07	5
Hexachloroethane	ND		ug/l	4.0	0.11	5

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-05 D
Client ID: MW-2D3
Sample Location: LACKAWANNA, NY

Date Collected: 01/16/25 11:30
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	114		23-120
2-Fluorobiphenyl	114		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	102		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-06
Client ID: MW-2D4
Sample Location: LACKAWANNA, NY

Date Collected: 01/16/25 12:40
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/19/25 21:54
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	0.90	J	ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-06 Date Collected: 01/16/25 12:40

Client ID: MW-2D4 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	2.8	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	1.0	J	ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	84		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-06
Client ID: MW-2D4
Sample Location: LACKAWANNA, NY

Date Collected: 01/16/25 12:40
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/22/25 10:20
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.65		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	1.2		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	11		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	0.04	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.05	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	3.1		ug/l	0.10	0.02	1
Anthracene	0.83		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.02	1
Fluorene	2.3		ug/l	0.10	0.03	1
Phenanthrene	3.0		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.02	1
Pyrene	0.94		ug/l	0.10	0.04	1
2-Methylnaphthalene	1.1		ug/l	0.10	0.03	1
Pentachlorophenol	0.67	J	ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-06 Date Collected: 01/16/25 12:40

Client ID: MW-2D4 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	120		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	116		10-120
4-Terphenyl-d14	121		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-07
Client ID: MWS-11A
Sample Location: LACKAWANNA, NY

Date Collected: 01/16/25 13:30
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/19/25 22:17
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	6.1		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	16.		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-07 Date Collected: 01/16/25 13:30

Client ID: MWS-11A Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	3.1	J	ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	7.0		ug/l	5.0	0.35	1
2-Methylphenol	7.4		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	16.		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	6.8		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	96		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-07 D
Client ID: MWS-11A
Sample Location: LACKAWANNA, NY

Date Collected: 01/16/25 13:30
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/24/25 13:47
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 06:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	15		ug/l	0.50	0.12	5
2-Chloronaphthalene	ND		ug/l	1.0	0.11	5
Fluoranthene	29		ug/l	0.50	0.14	5
Hexachlorobutadiene	ND		ug/l	2.5	0.10	5
Naphthalene	130		ug/l	0.50	0.12	5
Benzo(a)anthracene	4.8		ug/l	0.50	0.15	5
Benzo(a)pyrene	3.8		ug/l	0.50	0.12	5
Benzo(b)fluoranthene	4.7		ug/l	0.50	0.14	5
Benzo(k)fluoranthene	1.9		ug/l	0.50	0.17	5
Chrysene	4.4		ug/l	0.50	0.16	5
Acenaphthylene	29		ug/l	0.50	0.10	5
Anthracene	6.5		ug/l	0.50	0.12	5
Benzo(ghi)perylene	2.6		ug/l	0.50	0.12	5
Fluorene	20		ug/l	0.50	0.13	5
Phenanthrene	38		ug/l	0.50	0.20	5
Dibenzo(a,h)anthracene	0.57		ug/l	0.50	0.12	5
Indeno(1,2,3-cd)pyrene	2.3		ug/l	0.50	0.11	5
Pyrene	26		ug/l	0.50	0.21	5
2-Methylnaphthalene	40		ug/l	0.50	0.14	5
Pentachlorophenol	1.1	J	ug/l	4.0	0.28	5
Hexachlorobenzene	ND		ug/l	4.0	0.07	5
Hexachloroethane	ND		ug/l	4.0	0.11	5

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-07 D
Client ID: MWS-11A
Sample Location: LACKAWANNA, NY

Date Collected: 01/16/25 13:30
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	97		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	**132**	Q	15-120
2,4,6-Tribromophenol	**133**	Q	10-120
4-Terphenyl-d14	107		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-08
Client ID: MW-1D1
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 10:00
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/19/25 22:41
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	3.2		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	4.6		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	3.8		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-08 Date Collected: 01/15/25 10:00

Client ID: MW-1D1 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	92		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-08 D2
Client ID: MW-1D1
Sample Location: LACKAWANNA, NY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/24/25 14:54
Analyst: DV

Date Collected: 01/15/25 10:00
Date Received: 01/17/25
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	300		ug/l	2.5	0.61	25

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-08 D
Client ID: MW-1D1
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 10:00
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/24/25 14:04
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.0		ug/l	0.50	0.12	5
2-Chloronaphthalene	ND		ug/l	1.0	0.11	5
Fluoranthene	ND		ug/l	0.50	0.14	5
Hexachlorobutadiene	ND		ug/l	2.5	0.10	5
Naphthalene	270	E	ug/l	0.50	0.12	5
Benzo(a)anthracene	ND		ug/l	0.50	0.15	5
Benzo(a)pyrene	ND		ug/l	0.50	0.12	5
Benzo(b)fluoranthene	ND		ug/l	0.50	0.14	5
Benzo(k)fluoranthene	ND		ug/l	0.50	0.17	5
Chrysene	ND		ug/l	0.50	0.16	5
Acenaphthylene	19		ug/l	0.50	0.10	5
Anthracene	0.21	J	ug/l	0.50	0.12	5
Benzo(ghi)perylene	ND		ug/l	0.50	0.12	5
Fluorene	ND		ug/l	0.50	0.13	5
Phenanthrene	0.61		ug/l	0.50	0.20	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.12	5
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.50	0.11	5
Pyrene	ND		ug/l	0.50	0.21	5
2-Methylnaphthalene	5.2		ug/l	0.50	0.14	5
Pentachlorophenol	ND		ug/l	4.0	0.28	5
Hexachlorobenzene	ND		ug/l	4.0	0.07	5
Hexachloroethane	ND		ug/l	4.0	0.11	5

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-08 D
Client ID: MW-1D1
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 10:00
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	96		15-120
2,4,6-Tribromophenol	**125**	Q	10-120
4-Terphenyl-d14	111		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-09
Client ID: MW-1D6
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 09:10
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/19/25 23:05
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	1.0	J	ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-09 Date Collected: 01/15/25 09:10

Client ID: MW-1D6 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	3.0	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	2.9	J	ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	2.9		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	81		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-09
Client ID: MW-1D6
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 09:10
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/22/25 11:08
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.40		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	7.5		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	24		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.35		ug/l	0.10	0.03	1
Benzo(a)pyrene	0.06	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.22		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	0.08	J	ug/l	0.10	0.03	1
Chrysene	0.55		ug/l	0.10	0.03	1
Acenaphthylene	0.61		ug/l	0.10	0.02	1
Anthracene	0.60		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.02	1
Fluorene	1.0		ug/l	0.10	0.03	1
Phenanthrene	9.4		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.02	1
Pyrene	4.1		ug/l	0.10	0.04	1
2-Methylnaphthalene	1.8		ug/l	0.10	0.03	1
Pentachlorophenol	0.13	J	ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-09 Date Collected: 01/15/25 09:10

Client ID: MW-1D6 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	103		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-10
Client ID: MW-1D7
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 10:45
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/19/25 23:29
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-10 Date Collected: 01/15/25 10:45

Client ID: MW-1D7 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	2.4	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	81		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-10
Client ID: MW-1D7
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 10:45
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/22/25 11:24
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.64		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.52		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.47		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	0.17		ug/l	0.10	0.02	1
Anthracene	0.28		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	4.8		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.29		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.03	1
Pentachlorophenol	0.12	J	ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-10 Date Collected: 01/15/25 10:45

Client ID: MW-1D7 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	105		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-11
Client ID: MW-1D8
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 11:45
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/19/25 23:53
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-11 Date Collected: 01/15/25 11:45

Client ID: MW-1D8 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	1.2	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	86		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-11
Client ID: MW-1D8
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 11:45
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/22/25 11:56
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.07	J	ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.13		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	16		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	0.78		ug/l	0.10	0.02	1
Anthracene	0.13		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.26		ug/l	0.10	0.03	1
Phenanthrene	0.09	J	ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.10	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	0.91		ug/l	0.10	0.03	1
Pentachlorophenol	0.13	J	ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-11
Client ID: MW-1D8
Sample Location: LACKAWANNA, NY
Date Collected: 01/15/25 11:45
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	118		10-120
4-Terphenyl-d14	115		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-12
Client ID: MW-1U1
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 13:40
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/20/25 00:16
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	0.91	J	ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-12 Date Collected: 01/15/25 13:40

Client ID: MW-1U1 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	2.3	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	3.0	J	ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	2.2		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	87		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-12
Client ID: MW-1U1
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 13:40
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/22/25 12:12
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.93		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	2.4		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	17		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.10		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	0.11		ug/l	0.10	0.03	1
Acenaphthylene	2.2		ug/l	0.10	0.02	1
Anthracene	0.75		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	2.1		ug/l	0.10	0.03	1
Phenanthrene	4.1		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	2.6		ug/l	0.10	0.04	1
2-Methylnaphthalene	1.4		ug/l	0.10	0.03	1
Pentachlorophenol	0.18	J	ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-12 Date Collected: 01/15/25 13:40

Client ID: MW-1U1 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	115		10-120
4-Terphenyl-d14	118		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-13
Client ID: MWN-12
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 14:15
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/20/25 00:40
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	2.6		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	10.		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-13 Date Collected: 01/15/25 14:15

Client ID: MWN-12 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	2.0	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	2.9	J	ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	10.		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	81		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-13
Client ID: MWN-12
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 14:15
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/22/25 12:28
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.8		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	11		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	72	E	ug/l	0.10	0.02	1
Benzo(a)anthracene	0.44		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.06	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	0.33		ug/l	0.10	0.03	1
Acenaphthylene	6.2		ug/l	0.10	0.02	1
Anthracene	5.5		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	20		ug/l	0.10	0.03	1
Phenanthrene	38		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	7.2		ug/l	0.10	0.04	1
2-Methylnaphthalene	14		ug/l	0.10	0.03	1
Pentachlorophenol	0.43	J	ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: TECUMSEH HWMU **Lab Number:** L2503004

Project Number: 4395.0023B000 **Report Date:** 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-13 Date Collected: 01/15/25 14:15

Client ID: MWN-12 Date Received: 01/17/25

Sample Location: LACKAWANNA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	101		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2503004-13 D
Client ID: MWN-12
Sample Location: LACKAWANNA, NY

Date Collected: 01/15/25 14:15
Date Received: 01/17/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/24/25 14:20
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	72		ug/l	0.50	0.12	5

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 01/19/25 15:58
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG2021339-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Isophorone	ND		ug/l	5.0	0.86
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76
Dimethyl phthalate	ND		ug/l	5.0	0.92
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 01/19/25 15:58
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG2021339-1					
2-Chlorophenol	ND		ug/l	2.0	0.65
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Carbazole	ND		ug/l	2.0	0.31
Atrazine	ND		ug/l	10	1.0
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	1.2
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	77		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 01/21/25 08:35
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-13 Batch: WG2021340-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	0.06	J	ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	0.15	J	ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 01/21/25 08:35
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/19/25 03:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-13 Batch: WG2021340-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	86		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG2021339-2 WG2021339-3								
Bis(2-chloroethyl)ether	83		75		40-140	10		30
3,3'-Dichlorobenzidine	101		87		40-140	15		30
2,4-Dinitrotoluene	93		75		48-143	21		30
2,6-Dinitrotoluene	89		81		40-140	9		30
4-Chlorophenyl phenyl ether	85		78		40-140	9		30
4-Bromophenyl phenyl ether	79		75		40-140	5		30
Bis(2-chloroisopropyl)ether	64		57		40-140	12		30
Bis(2-chloroethoxy)methane	86		77		40-140	11		30
Hexachlorocyclopentadiene	68		69		40-140	1		30
Isophorone	86		75		40-140	14		30
Nitrobenzene	84		71		40-140	17		30
NDPA/DPA	87		77		40-140	12		30
n-Nitrosodi-n-propylamine	86		75		29-132	14		30
Bis(2-ethylhexyl)phthalate	94		84		40-140	11		30
Butyl benzyl phthalate	85		85		40-140	0		30
Di-n-butylphthalate	88		82		40-140	7		30
Di-n-octylphthalate	93		87		40-140	7		30
Diethyl phthalate	91		84		40-140	8		30
Dimethyl phthalate	89		81		40-140	9		30
Biphenyl	81		78		40-140	4		30
4-Chloroaniline	74		62		40-140	18		30
2-Nitroaniline	85		82		52-143	4		30
3-Nitroaniline	85		83		25-145	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG2021339-2 WG2021339-3								
4-Nitroaniline	94		84		51-143	11		30
Dibenzofuran	82		78		40-140	5		30
1,2,4,5-Tetrachlorobenzene	77		75		2-134	3		30
Acetophenone	94		79		39-129	17		30
2,4,6-Trichlorophenol	78		74		30-130	5		30
p-Chloro-m-cresol	90		81		23-97	11		30
2-Chlorophenol	82		71		27-123	14		30
2,4-Dichlorophenol	86		79		30-130	8		30
2,4-Dimethylphenol	100		85		30-130	16		30
2-Nitrophenol	86		71		30-130	19		30
4-Nitrophenol	65		61		10-80	6		30
2,4-Dinitrophenol	81		81		20-130	0		30
4,6-Dinitro-o-cresol	75		74		20-164	1		30
Phenol	51		44		12-110	15		30
2-Methylphenol	80		71		30-130	12		30
3-Methylphenol/4-Methylphenol	79		70		30-130	12		30
2,4,5-Trichlorophenol	90		79		30-130	13		30
Carbazole	91		83		55-144	9		30
Atrazine	90		82		40-140	9		30
Benzaldehyde	100		87		40-140	14		30
Caprolactam	32		30		10-130	6		30
2,3,4,6-Tetrachlorophenol	85		81		40-140	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG2021339-2 WG2021339-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		48		21-120
Phenol-d6	44		39		10-120
Nitrobenzene-d5	81		72		23-120
2-Fluorobiphenyl	76		71		15-120
2,4,6-Tribromophenol	83		69		10-120
4-Terphenyl-d14	83		77		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-13 Batch: WG2021340-2 WG2021340-3								
Acenaphthene	69		67		40-140	3		40
2-Chloronaphthalene	63		66		40-140	5		40
Fluoranthene	74		68		40-140	8		40
Hexachlorobutadiene	50		44		40-140	13		40
Naphthalene	62		58		40-140	7		40
Benzo(a)anthracene	82		77		40-140	6		40
Benzo(a)pyrene	90		81		40-140	11		40
Benzo(b)fluoranthene	83		72		40-140	14		40
Benzo(k)fluoranthene	85		75		40-140	13		40
Chrysene	77		72		40-140	7		40
Acenaphthylene	74		75		40-140	1		40
Anthracene	79		73		40-140	8		40
Benzo(ghi)perylene	90		90		40-140	0		40
Fluorene	78		71		40-140	9		40
Phenanthrene	75		70		40-140	7		40
Dibenzo(a,h)anthracene	90		90		40-140	0		40
Indeno(1,2,3-cd)pyrene	86		90		40-140	5		40
Pyrene	73		67		40-140	9		40
2-Methylnaphthalene	58		61		40-140	5		40
Pentachlorophenol	83		78		40-140	6		40
Hexachlorobenzene	73		68		40-140	7		40
Hexachloroethane	57		57		40-140	0		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-13 Batch: WG2021340-2 WG2021340-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		60		21-120
Phenol-d6	46		43		10-120
Nitrobenzene-d5	72		70		23-120
2-Fluorobiphenyl	60		63		15-120
2,4,6-Tribromophenol	94		78		10-120
4-Terphenyl-d14	67		63		41-149

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2503004-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-01D	Amber 100ml unpreserved	A	12	12	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-01E	Amber 100ml unpreserved	A	12	12	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-02A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-02B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-02C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-02D	Amber 100ml unpreserved	A	12	12	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-02E	Amber 100ml unpreserved	A	12	12	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-03A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-03B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-03C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-03D	Amber 100ml unpreserved	A	12	12	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-03E	Amber 100ml unpreserved	A	12	12	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-04A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-04B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-04C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-04D	Amber 100ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-04E	Amber 100ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2503004-05A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-05B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-05C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-05D	Amber 100ml unpreserved	A	9	9	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-05E	Amber 100ml unpreserved	A	9	9	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-06A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-06B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-06C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-06D	Amber 100ml unpreserved	A	8	8	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-06E	Amber 100ml unpreserved	A	8	8	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-07A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-07B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-07C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYCP51-8260-G(14)
L2503004-07D	Amber 100ml unpreserved	A	12	12	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-07E	Amber 100ml unpreserved	A	12	12	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-08A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-08B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-08C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-08D	Amber 100ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-08E	Amber 100ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-09A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-09B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-09C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-09D	Amber 100ml unpreserved	A	11	11	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2503004-09E	Amber 100ml unpreserved	A	11	11	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-10A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-10B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-10C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-10D	Amber 100ml unpreserved	A	10	10	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-10E	Amber 100ml unpreserved	A	10	10	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-11A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-11B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-11C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-11D	Amber 100ml unpreserved	A	8	8	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-11E	Amber 100ml unpreserved	A	8	8	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-12A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-12B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-12C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-12D	Amber 100ml unpreserved	A	12	12	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-12E	Amber 100ml unpreserved	A	12	12	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-13A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-13B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-13C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-13D	Amber 100ml unpreserved	A	12	12	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-13E	Amber 100ml unpreserved	A	12	12	3.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2503004-14A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-14B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2503004-14C	Vial HCl preserved	A	NA		3.3	Y	Absent		ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000

Lab Number: L2503004
Report Date: 01/24/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2503004-14D	Vial HCl preserved	A	NA		3.3	Y	Absent		ARCHIVE()

Container Comments

L2503004-14D	Headspace Present.

*Values in parentheses indicate holding time in days

Project Name:	TECUMSEH HWMU	**Lab Number:**	L2503004
Project Number:	4395.0023B000	**Report Date:**	01/24/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	TECUMSEH HWMU	**Lab Number:**	L2503004
Project Number:	4395.0023B000	**Report Date:**	01/24/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	TECUMSEH HWMU	**Lab Number:**	L2503004
Project Number:	4395.0023B000	**Report Date:**	01/24/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: TECUMSEH HWMU
Project Number: 4395.0023B000
Lab Number: L2503004
Report Date: 01/24/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Alpha SOP 23528

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 1/18/25

ALPHA Job #: L2503004

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Project Information
Project Name: Tecumseh HWMU
Project Location: Lackawanna, NY
Project #: 4395.0023B000
(Use Project name as Project #) ☑
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information
Client: Roux Env Eng & Geo DPC
Address: 2558 Hmbrg Turnpike Buffalo, NY 14218
Phone: 716-856-0599
Fax:
Email: rdubsz

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
* VOC ~~[illegible]~~ minus napthalene
* SVOC plus napthalene

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	CP-51 VOC	TCL SVOC	TCL + CP-51 VOC						Sample Specific Comments	Total Bottles
03004-01	MW-102	1/17/25	0900	W	RLD	✓	✓								
02	MW-103	1/17/25	1055	↓	↓	✓	✓								
03	MW-104	1/17/25	1020			✓	✓								
04	MW-202	1/16/25	0915			✓	✓								
05	MW-203	1/16/25	1130			✓	✓								
06	MW-204	1/16/25	1240			✓	✓								
07	MWS 11A	1/16/25	1330			✓	✓								
08	MW-101	1/15/25	1000				✓	✓							
09	MW 106	1/15/25	0910				✓	✓							
10	MW-107	1/15/25	1045	↓	↓		✓	✓							
					Container Type	V	A	V							
					Preservative	B	A	B							

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1/17/25 1345	Romeo Mack	1-17-25 1250
Romeo Mack	1-17-25 1400	Buffalo S/C	1-17-25 1400
[signature]	0030	[signature]	1/18 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Serial_No:01242516:36

NEW YORK CHAIN OF CUSTODY

ALPHA

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 1/18/25

ALPHA Job #: L2503004

Westborough, MA 01581, 8 Walkup Dr., TEL: 508-898-9220, FAX: 508-898-9193
Mansfield, MA 02048, 320 Forbes Blvd, TEL: 508-822-9300, FAX: 508-822-3288

Project Information
Project Name: Tecumseh HWMU
Project Location: Lackawanna, NY
Project #: 4395.0023B000
(Use Project name as Project #) ☑
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information
Client: Roux Env Eng & Geo PC
Address: 2558 Hamburg Turnpike, Buffalo, NY 14218
Phone: 716-856-0599
Fax:
Email: R. Dorsz

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: ☐ NJ ☐ NY ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
VOC minus Naphthalene
SVOC plus Naphthalene

Please specify Metals or TAL.

Sample Filtration: ☐ Done ☐ Lab to do
Preservation: ☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	CP-51 VOC	TCL SVOC	TCL + CP51 VOC	Sample Specific Comments	Total Bottles
03004-11	MW-1D8	1/15/25	1145	W	RLP		V	V		
12	MW 1U1	1/15/25	1340	↓	↓		V	V		
13	MWN-12	1/15/25	1415	↓	↓		V	V		
14	Trip Blank					X		X		

	CP-51 VOC	TCL SVOC	TCL + CP51 VOC
Container Type	V	A	V
Preservative	B	A	B

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = $NaHSO_4$, H = $Na_2S_2O_3$, K/E = Zn Ac/NaOH, O = Other

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1/17/25 1345	Romeo Mack	1-17-25 1345
Romeo Mack	1-17-25 1400	Buffalo S/C	1-17-25 1400
Russell B. Bishop	1-17-25 1532	[signature]	
[signature]	0030	[signature]	

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ATTACHMENT 3

TIME-CONCENTRATION PLOTS

ATTACHMENT 3A

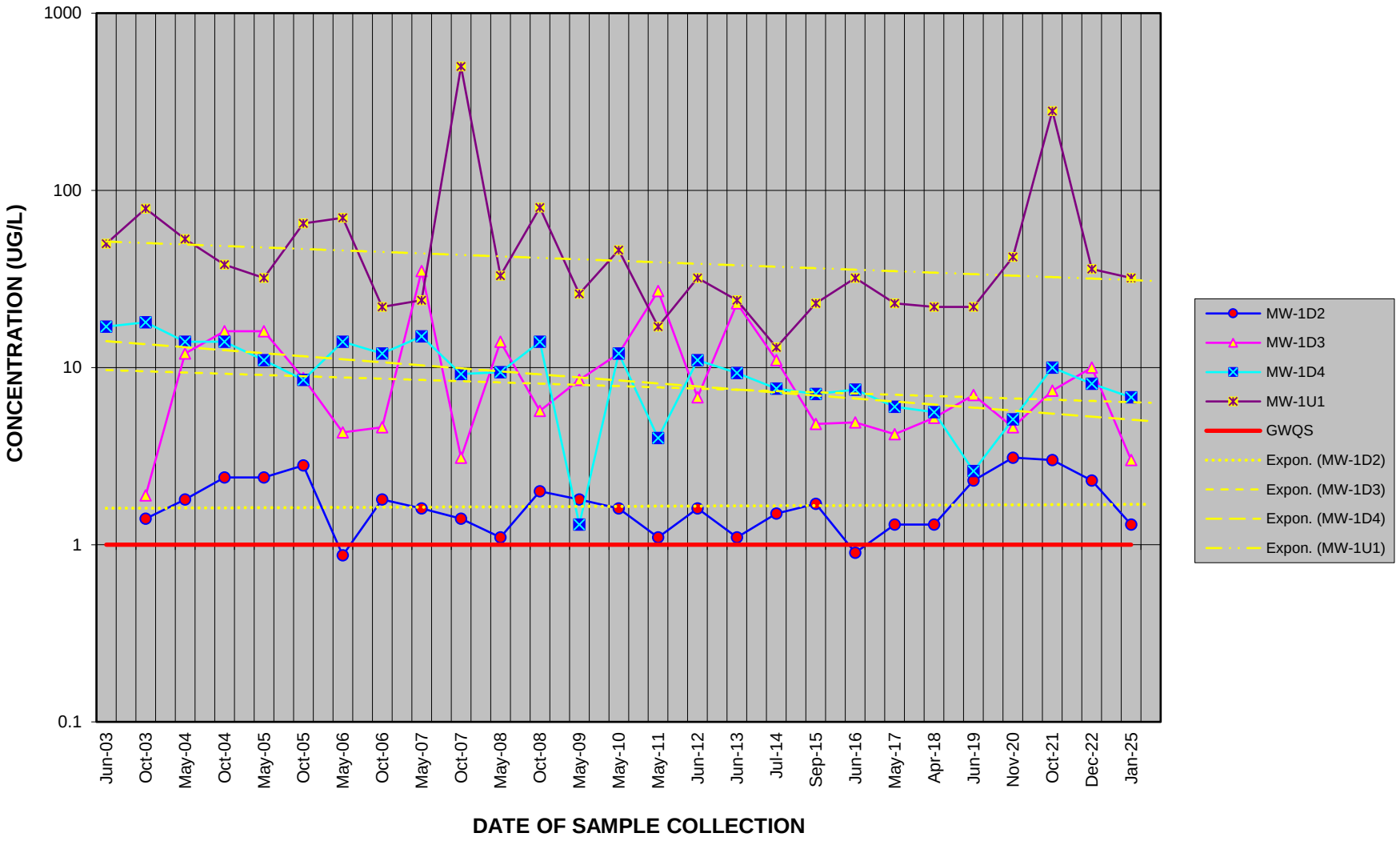
TIME-CONCENTRATION PLOTS

HWMU-1A

ROUX

BENZENE

HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY

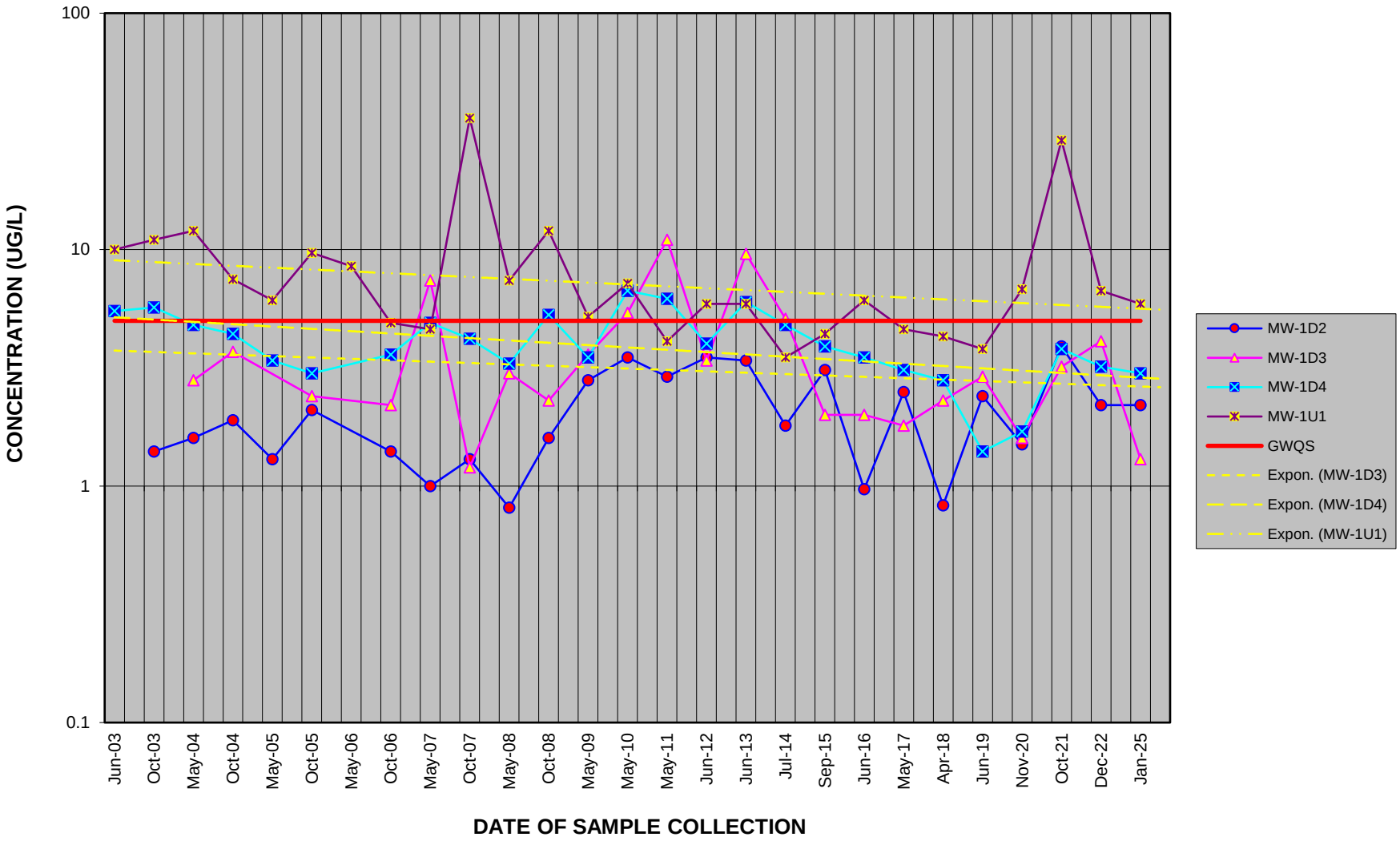


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

TOLUENE

HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY

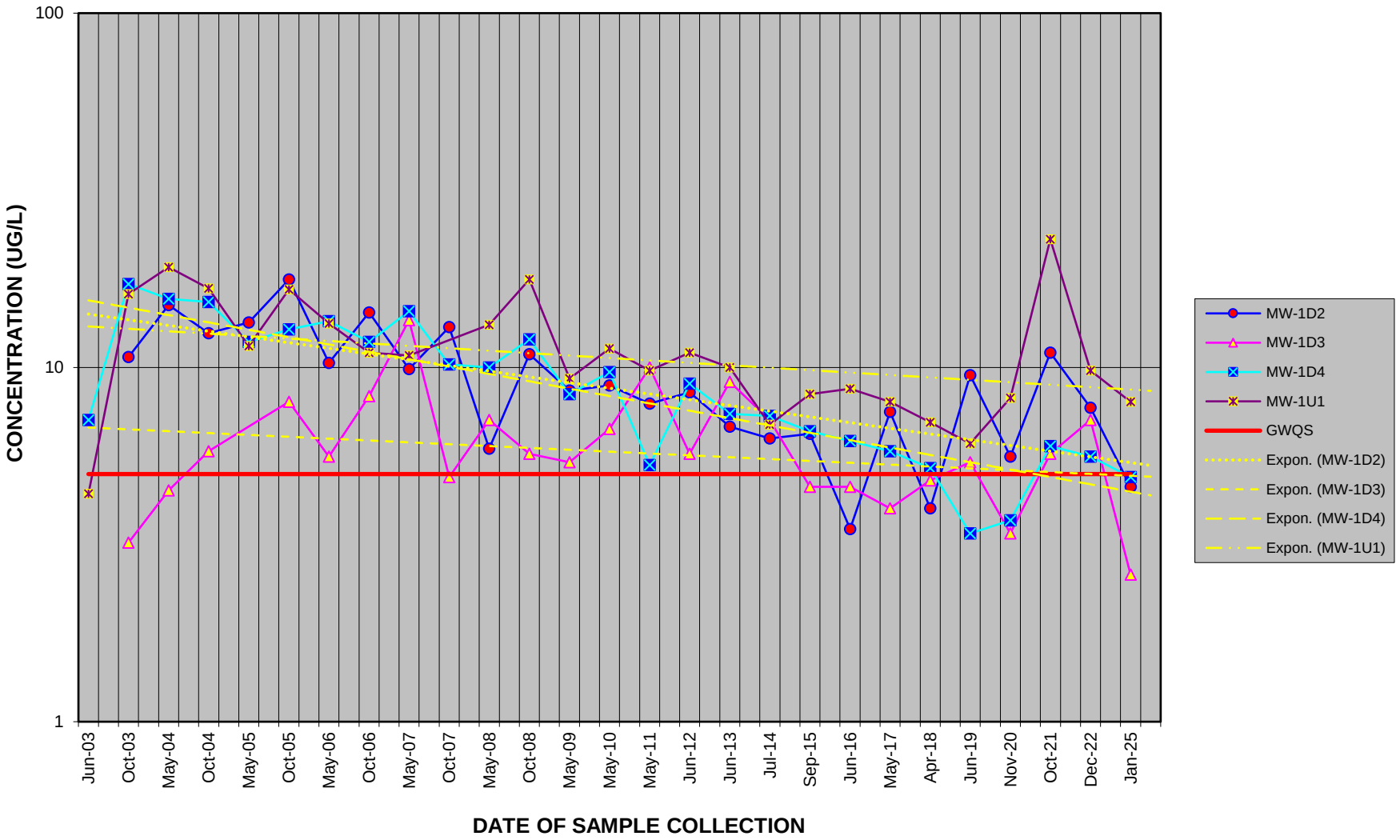


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

TOTAL XYLENES

HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY

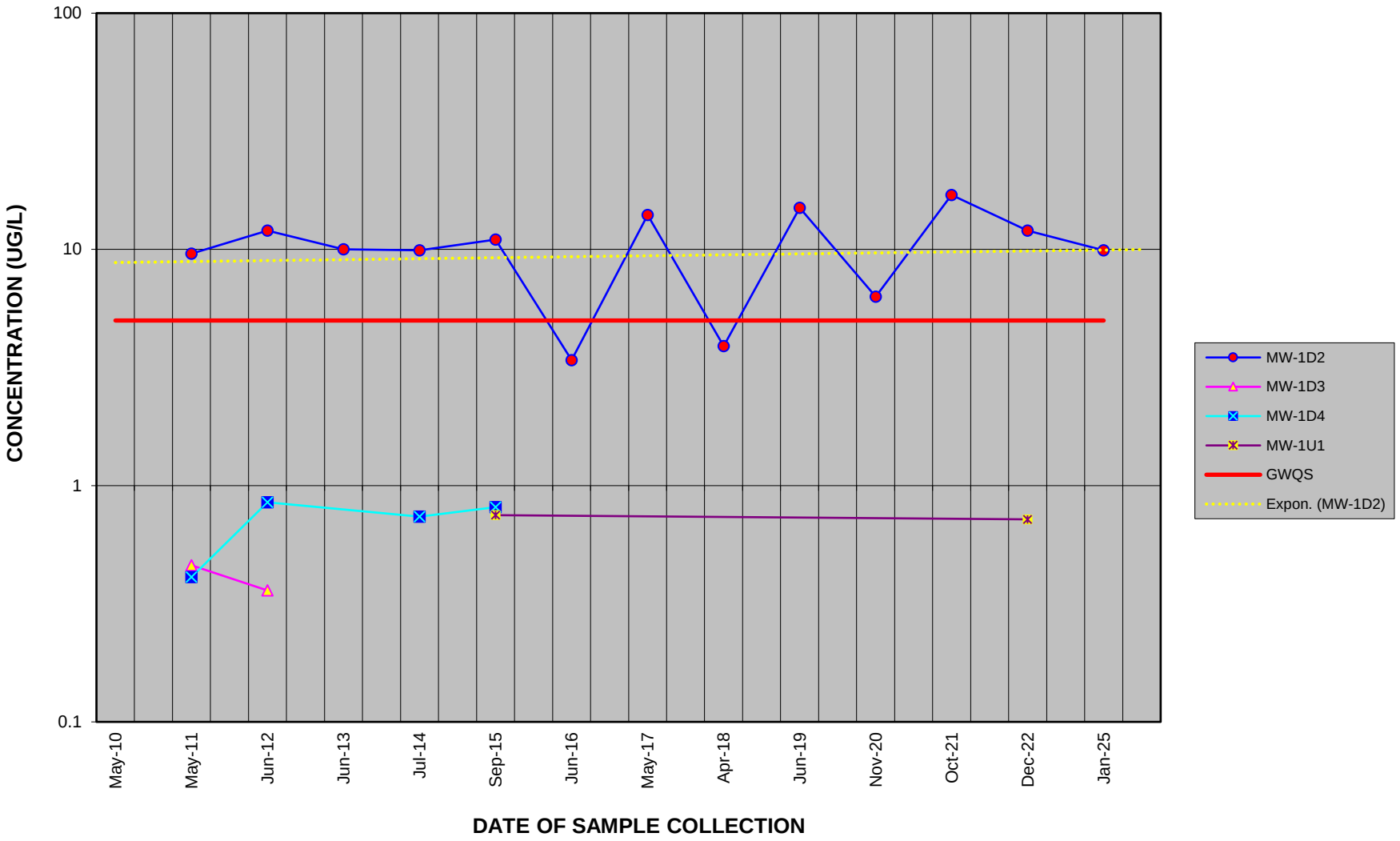


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

1,2,4-TRIMETHYLBENZENE

HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY

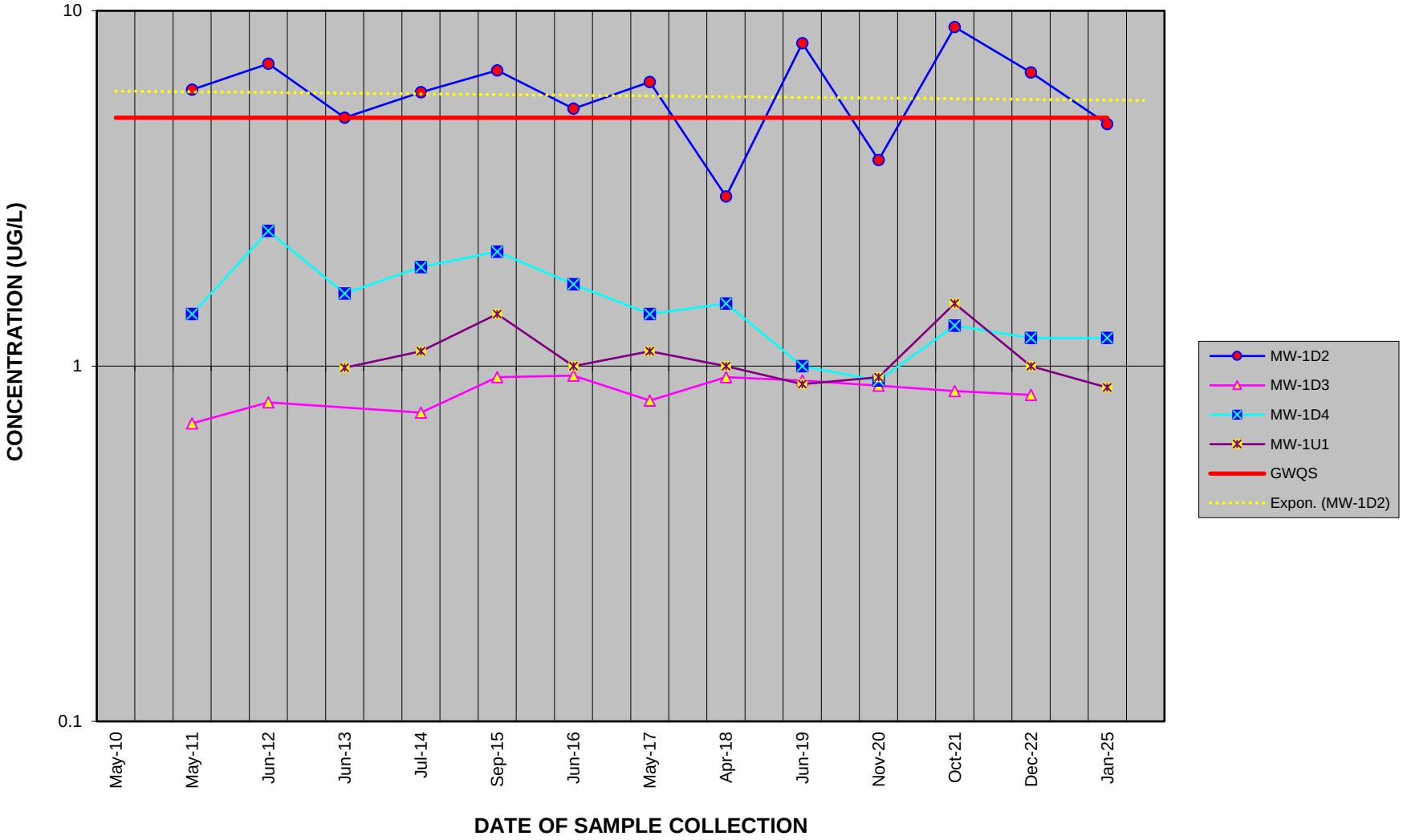


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

1,3,5-TRIMETHYLBENZENE

HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY

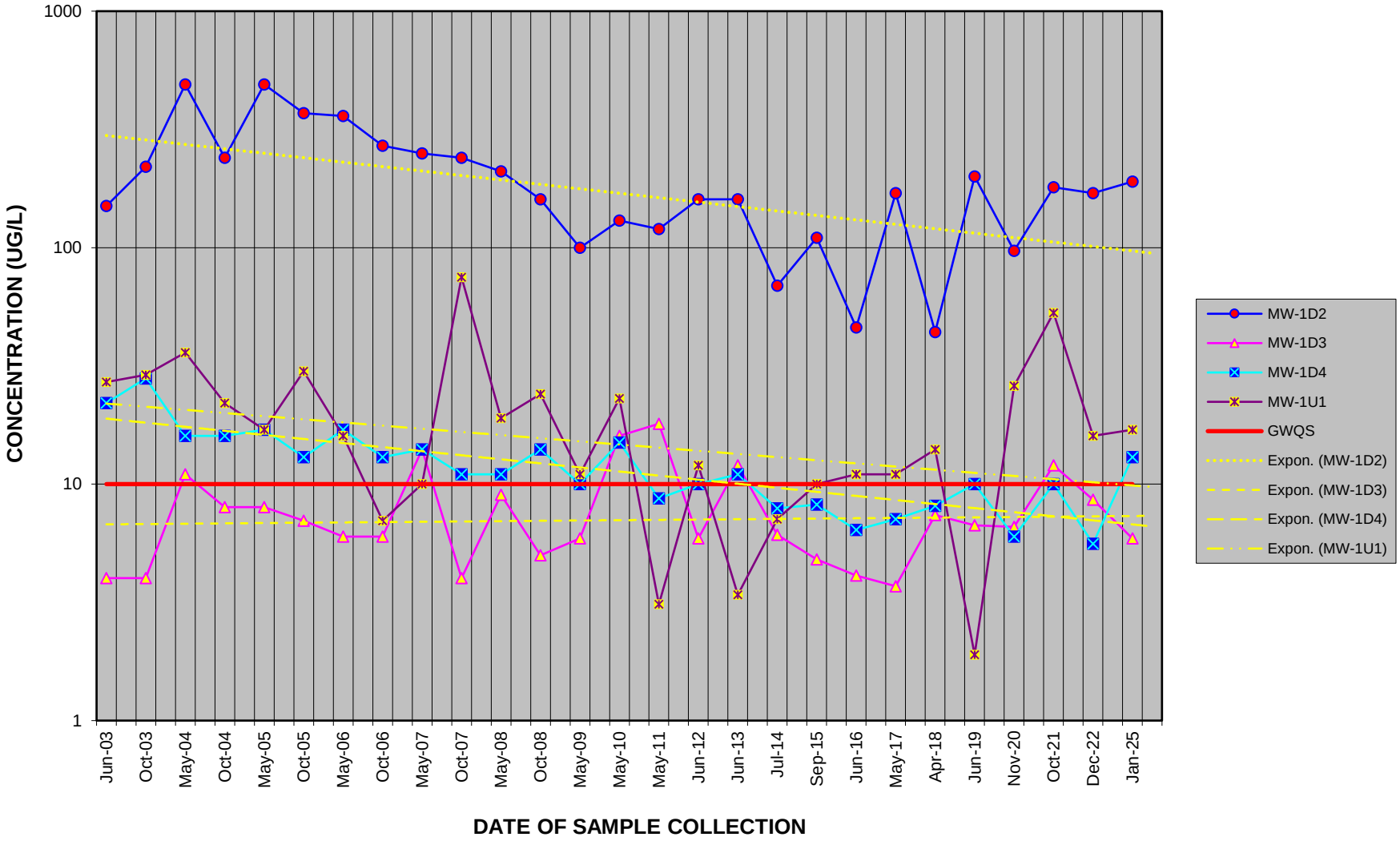


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

NAPHTHALENE

HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY

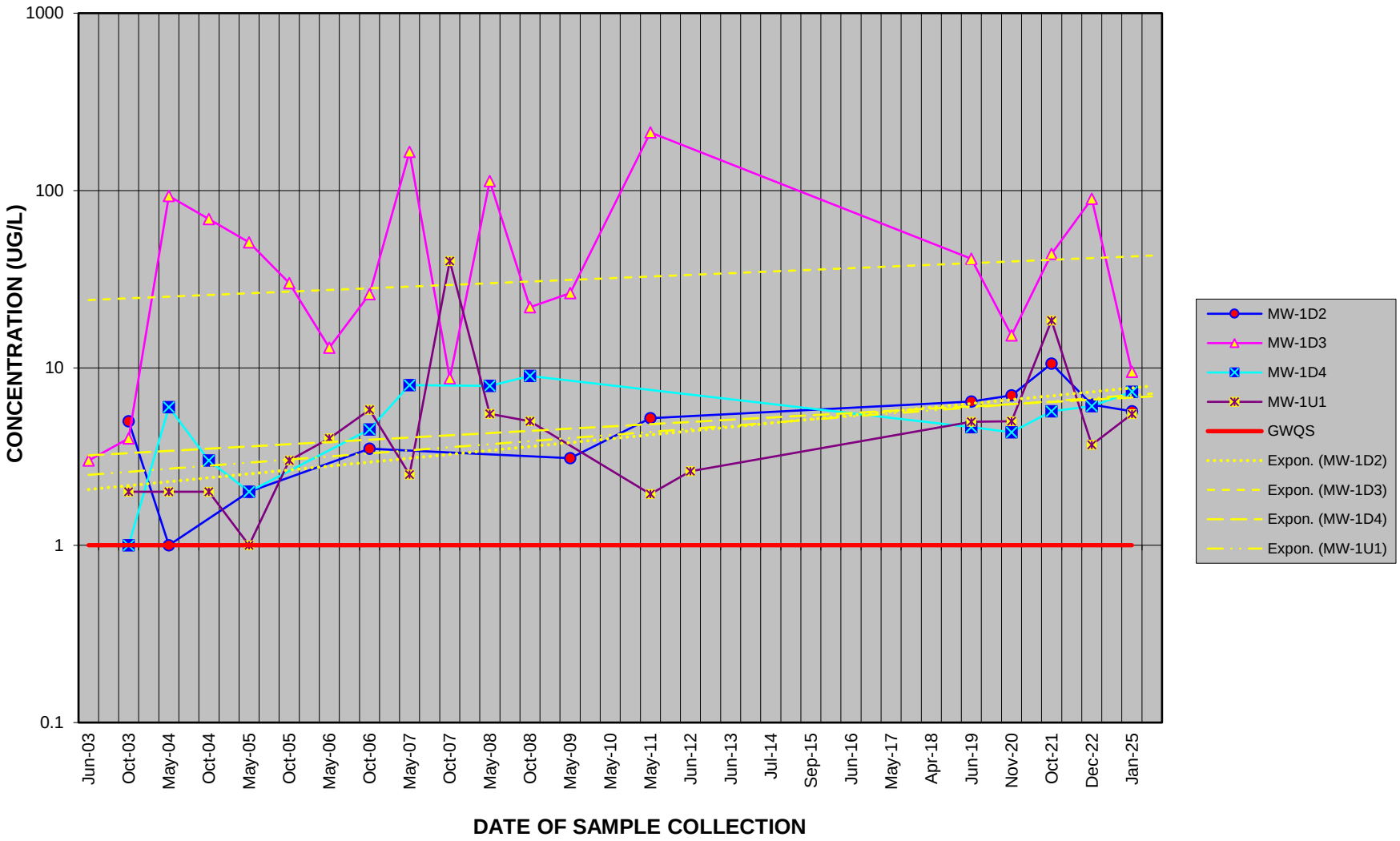


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

SUM OF PHENOLIC COMPOUNDS

HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY

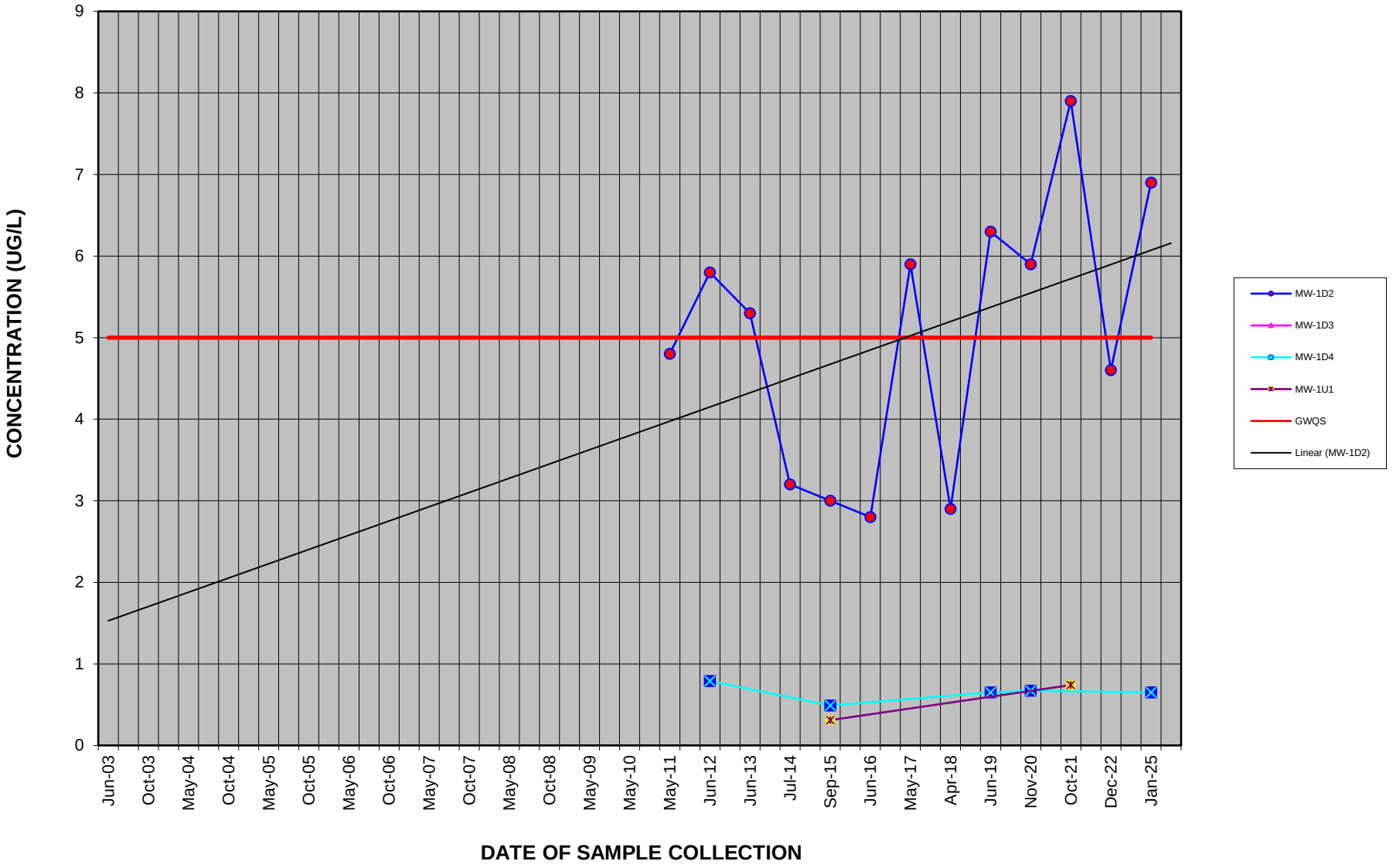


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

BIPHENYL

HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY

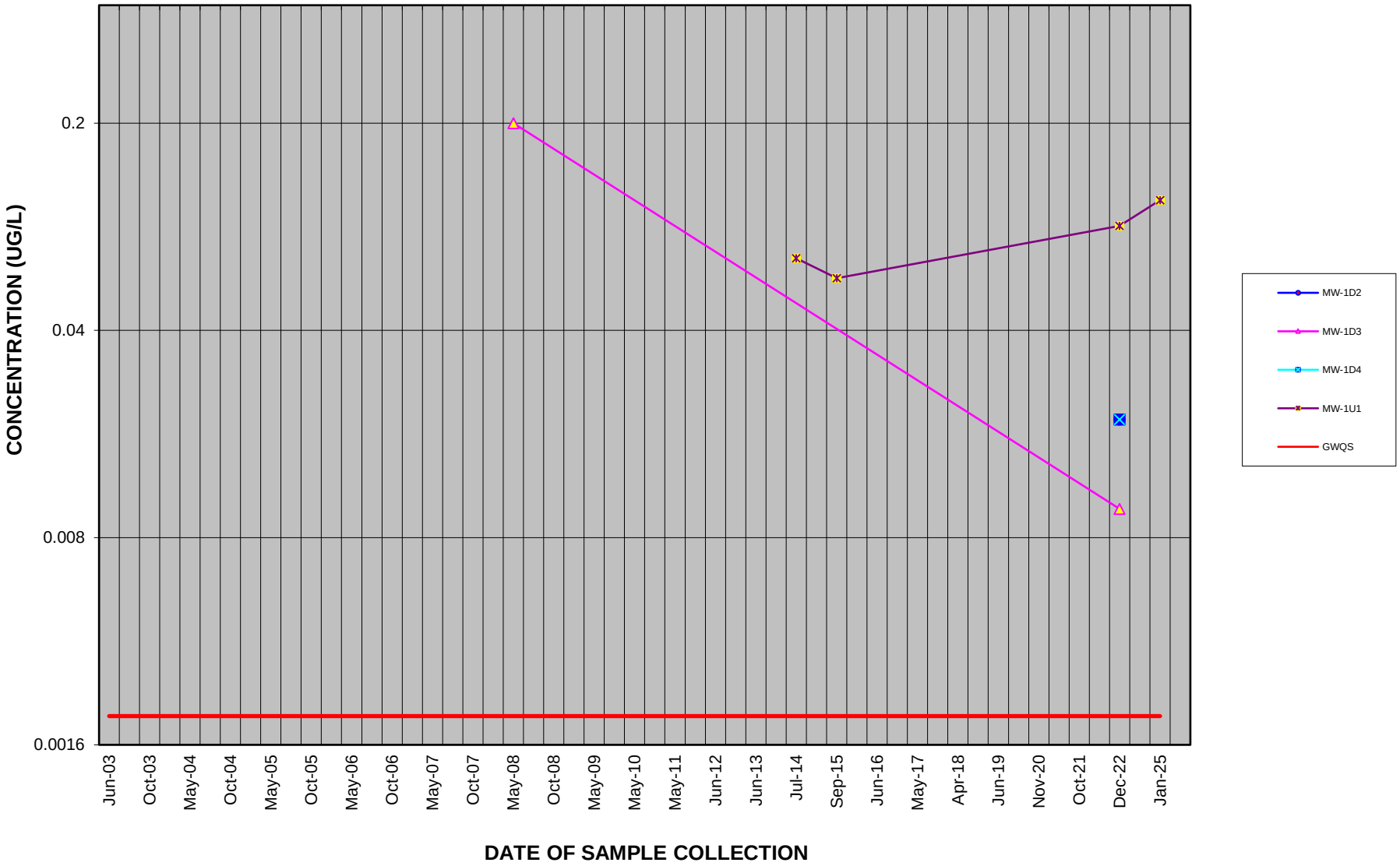


Notes:
1. Concentrations reported below method detection limits (i.e., non-detect) are presented at the reporting limit preceded with an "ND".
2. Concentrations are in micrograms per liter (ug/L).

ROUX

CHRYSENE

HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY



Notes:
1. Concentrations reported below method detection limits (i.e., non-detect) are presented at the reporting limit preceded with an "ND".
2. Concentrations are in micrograms per liter (ug/L).

ATTACHMENT 3B

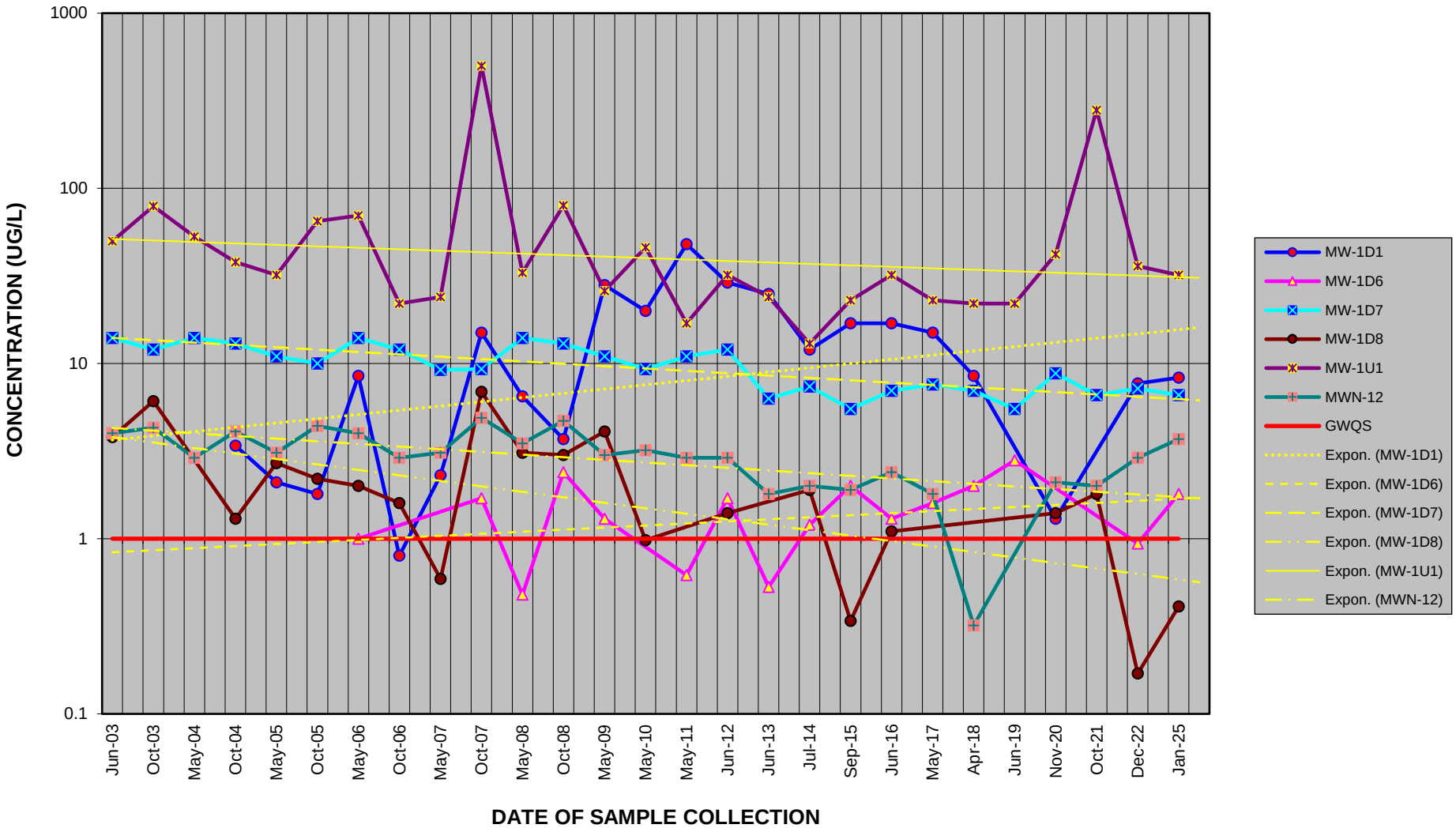
TIME-CONCENTRATION PLOTS

HWMU-1B

ROUX

BENZENE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

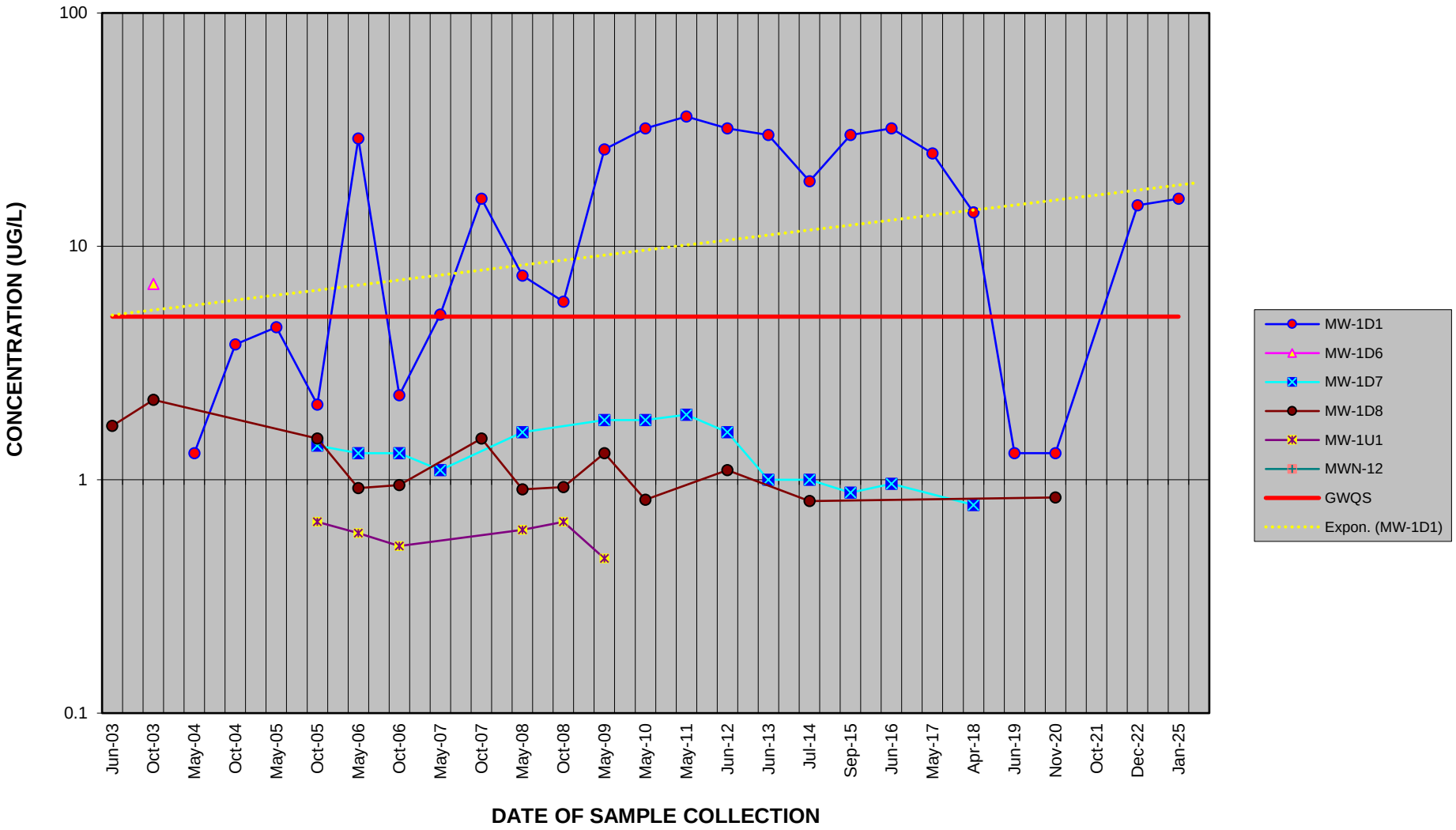


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

ETHYLBENZENE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

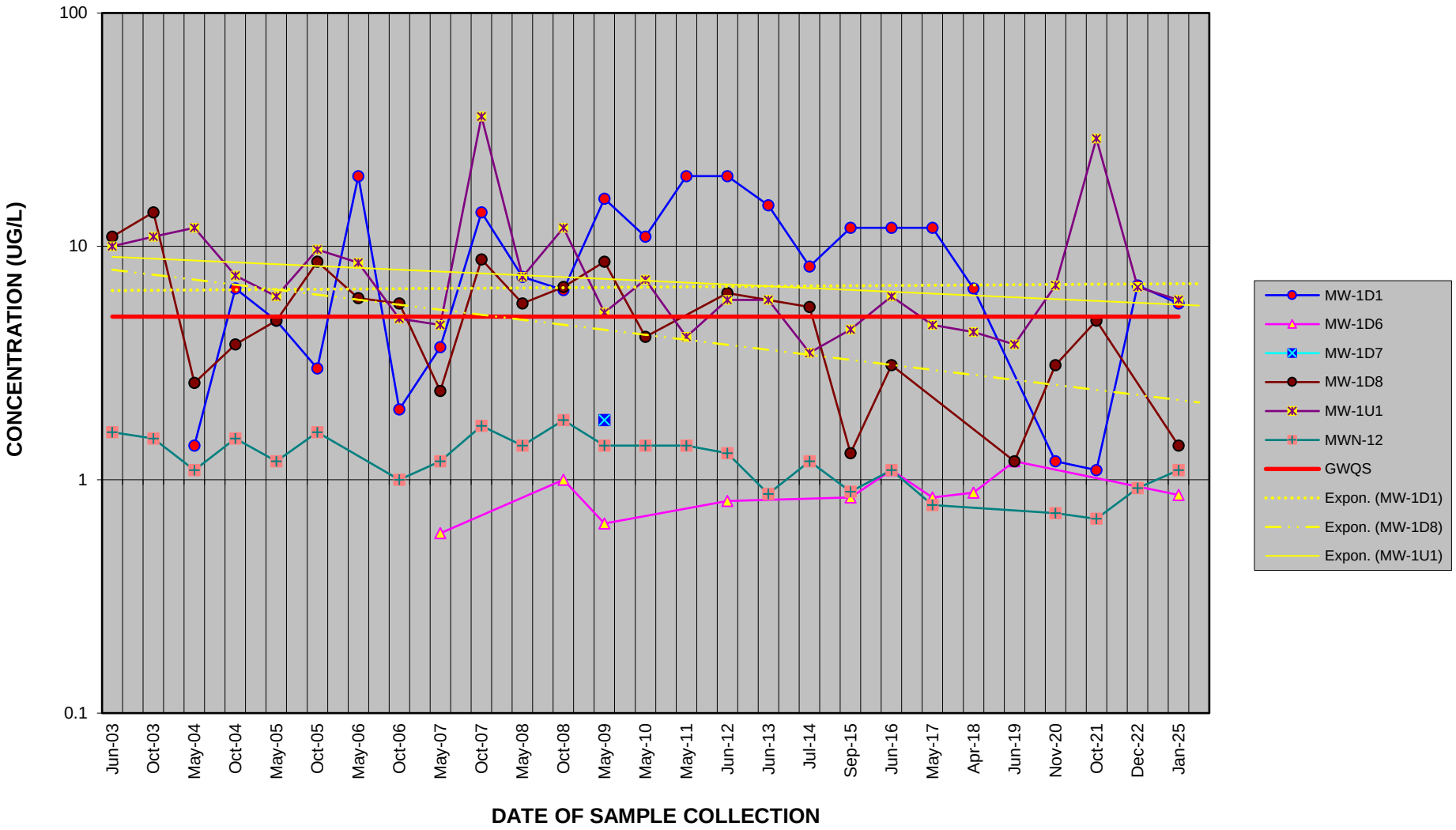


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

TOLUENE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

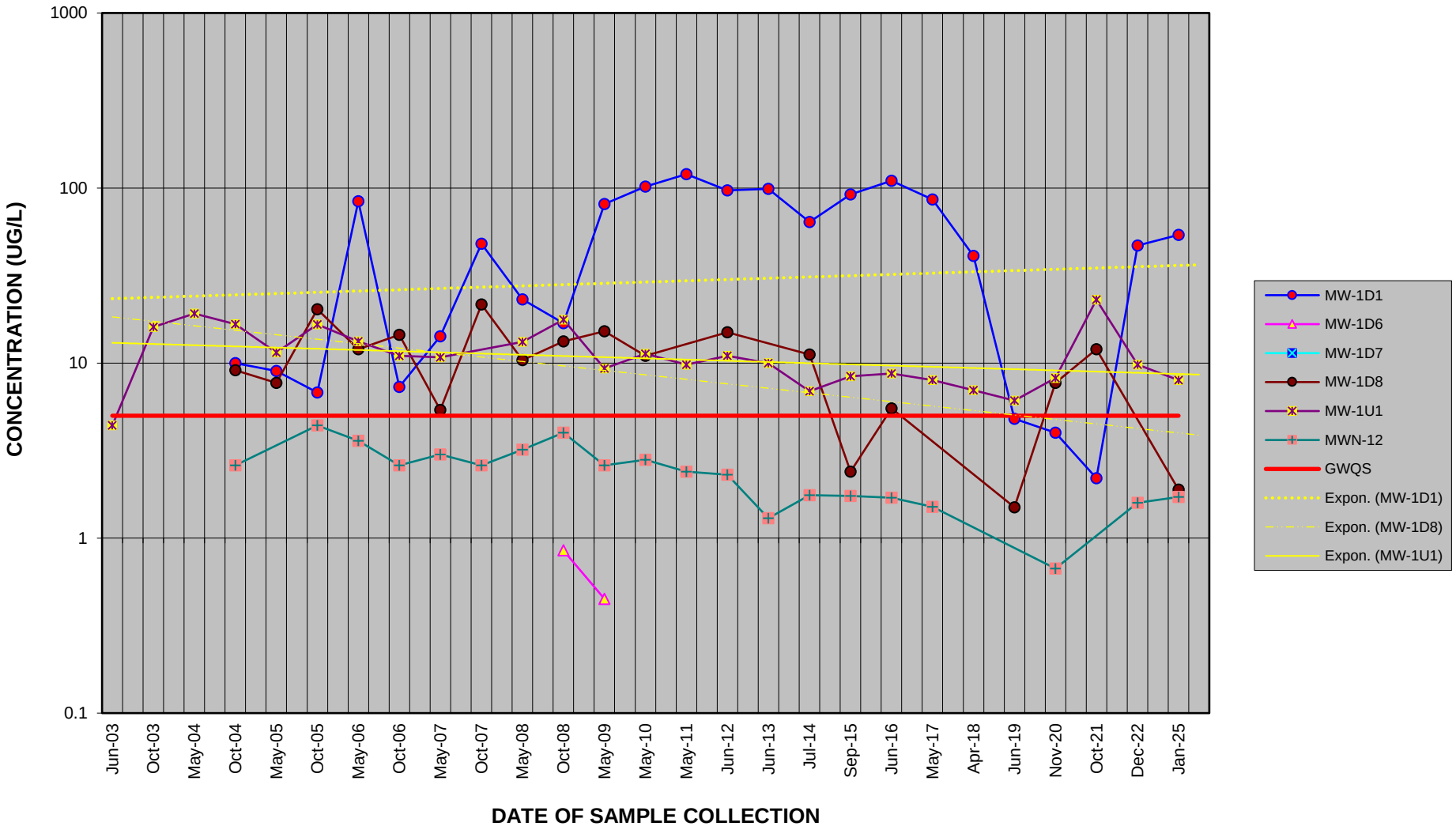


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

TOTAL XYLENES

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

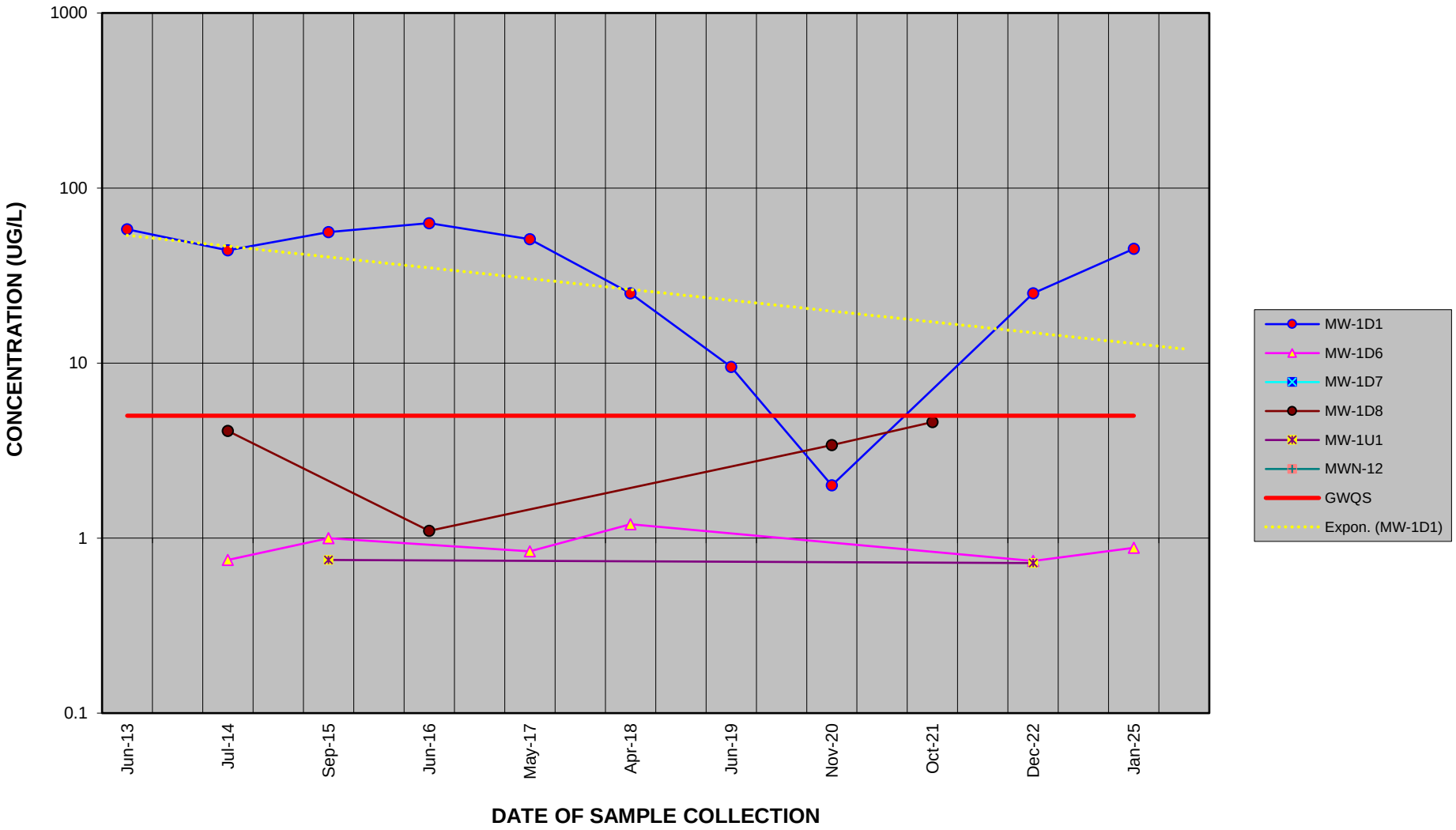


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

1,2,4-TRIMETHYLBENZENE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

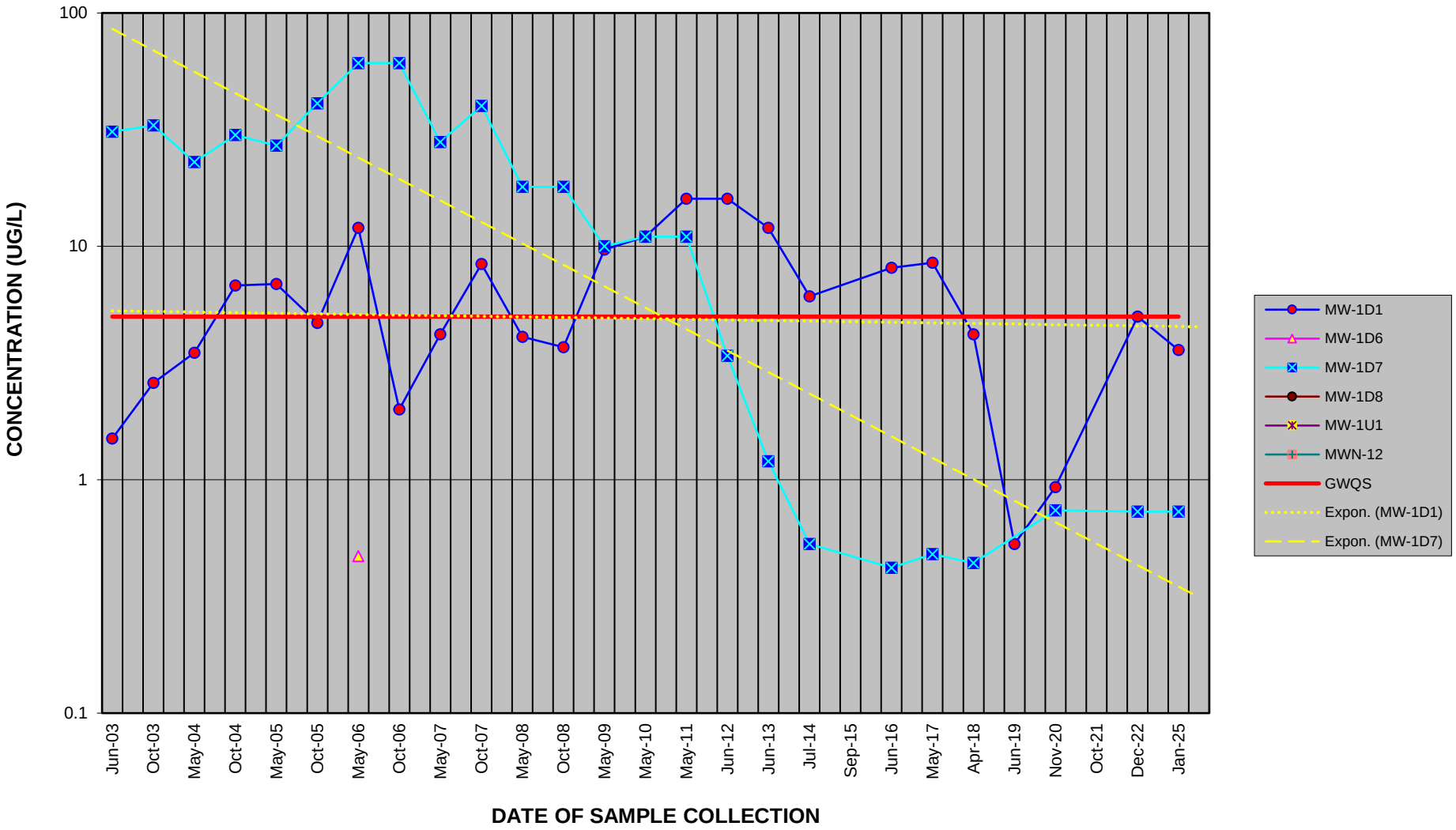


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

TRICHLOROETHENE

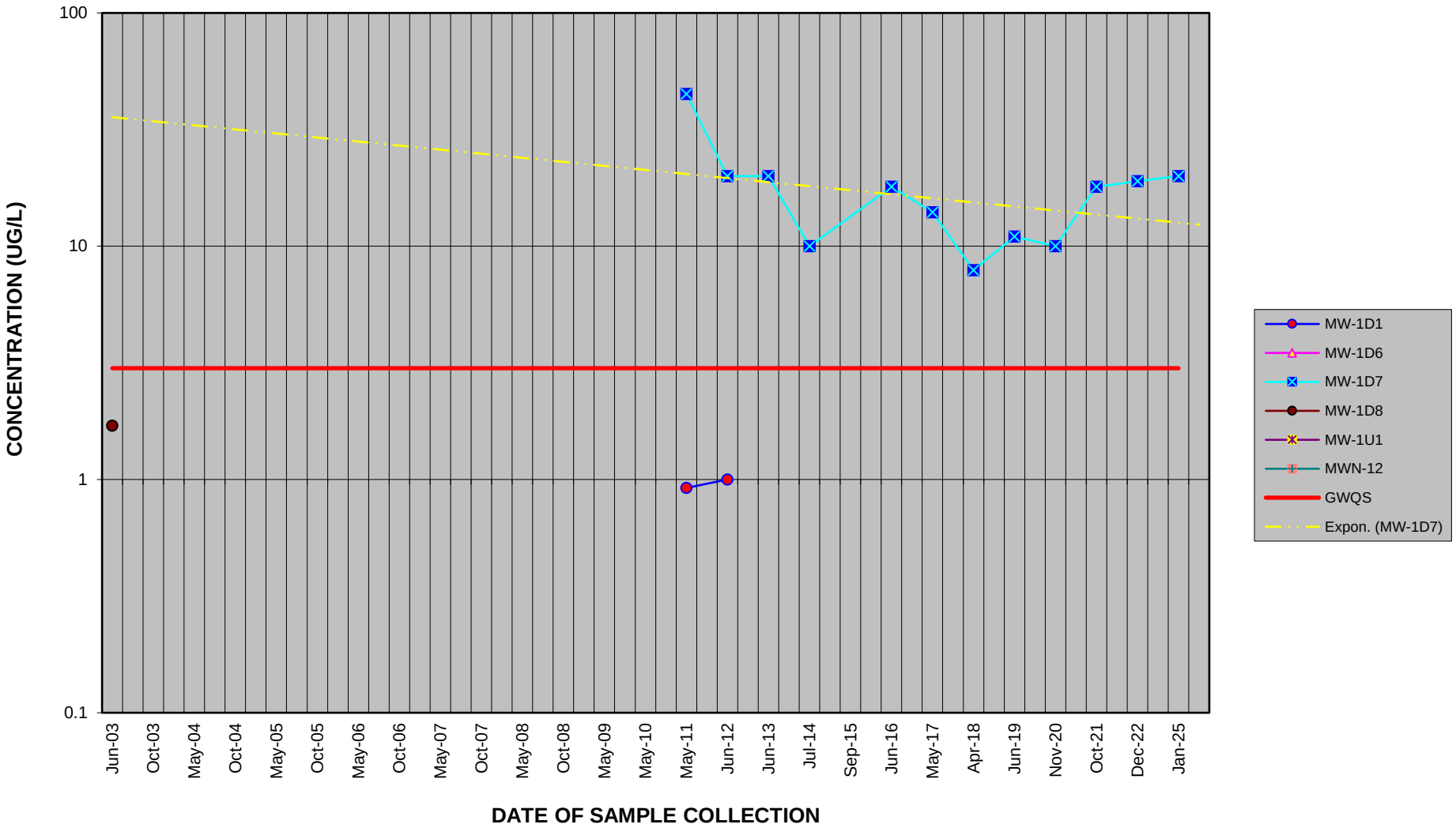
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

cis-1,2-DICHLOROETHENE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

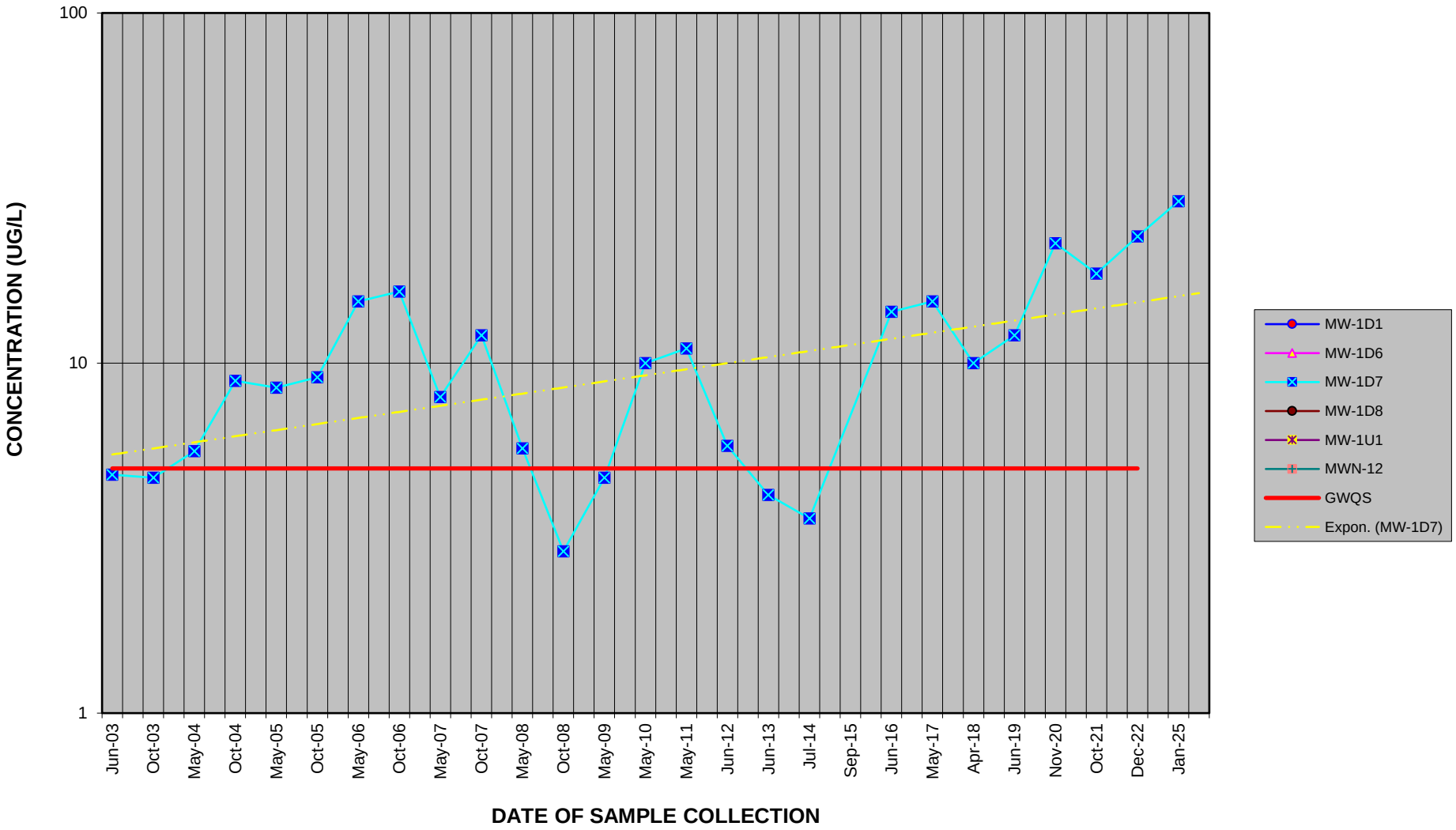


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

trans-1,2-DICHLOROETHENE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

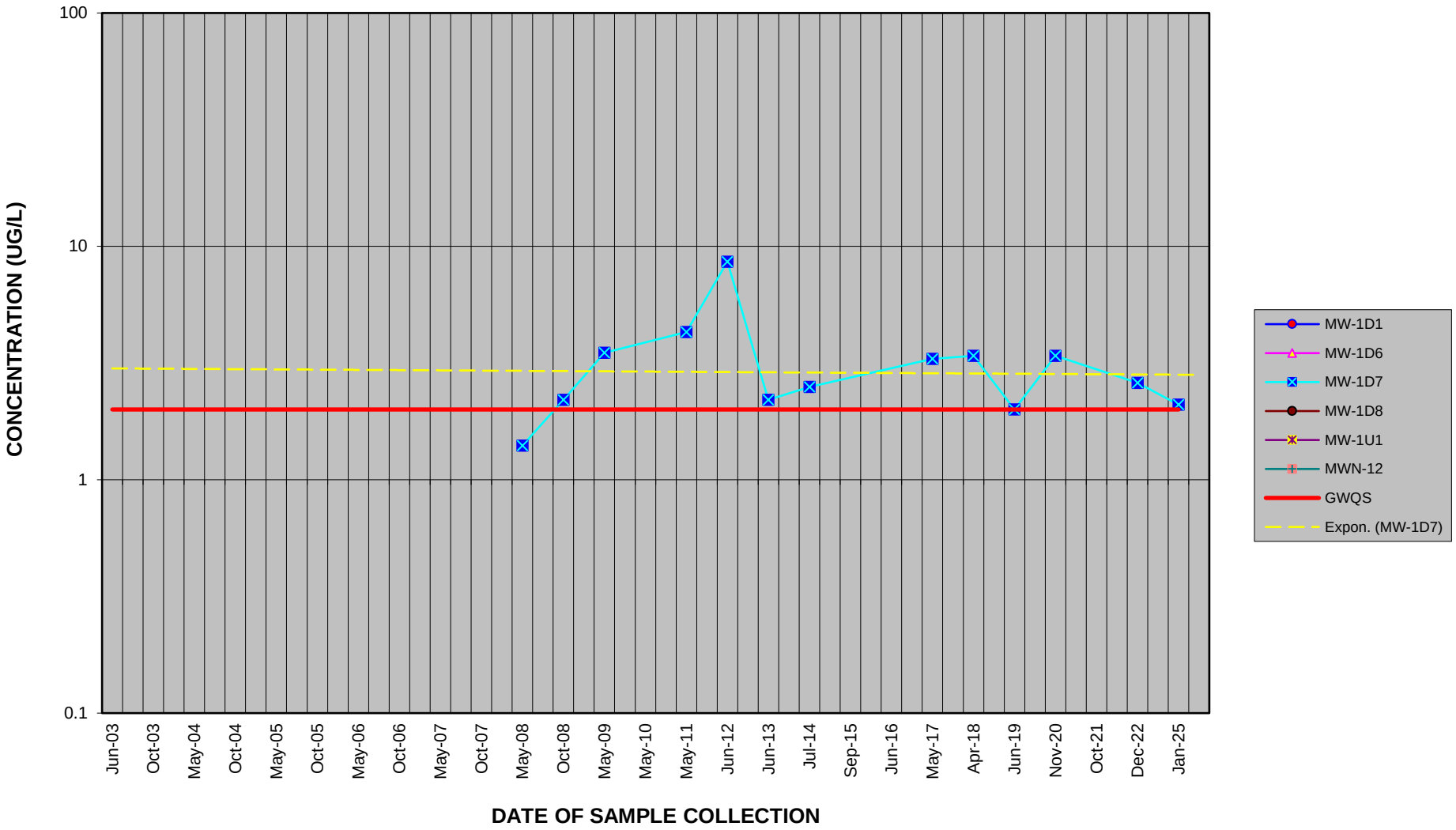


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

VINYL CHLORIDE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

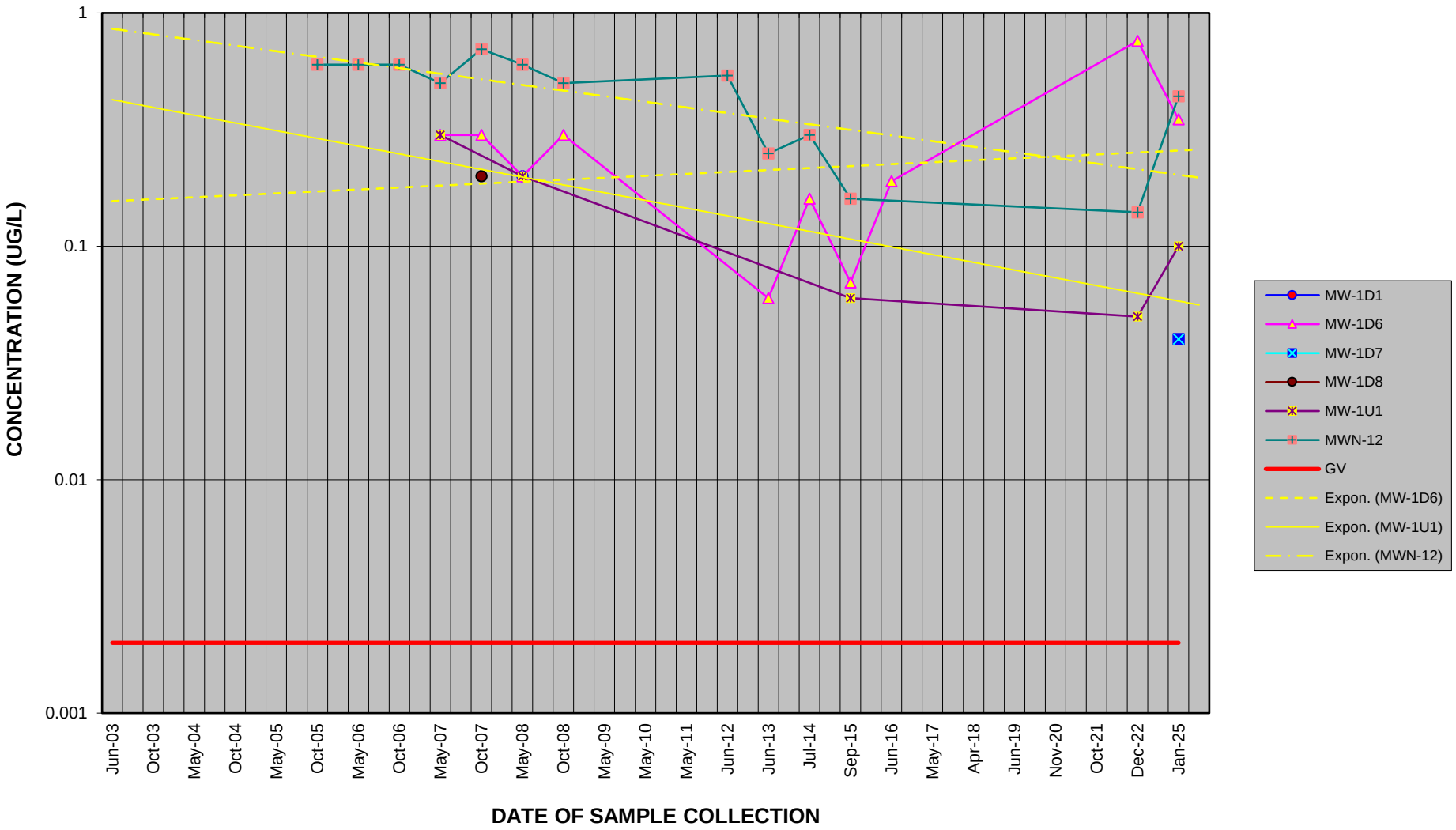


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

BENZO(A)ANTHRACENE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

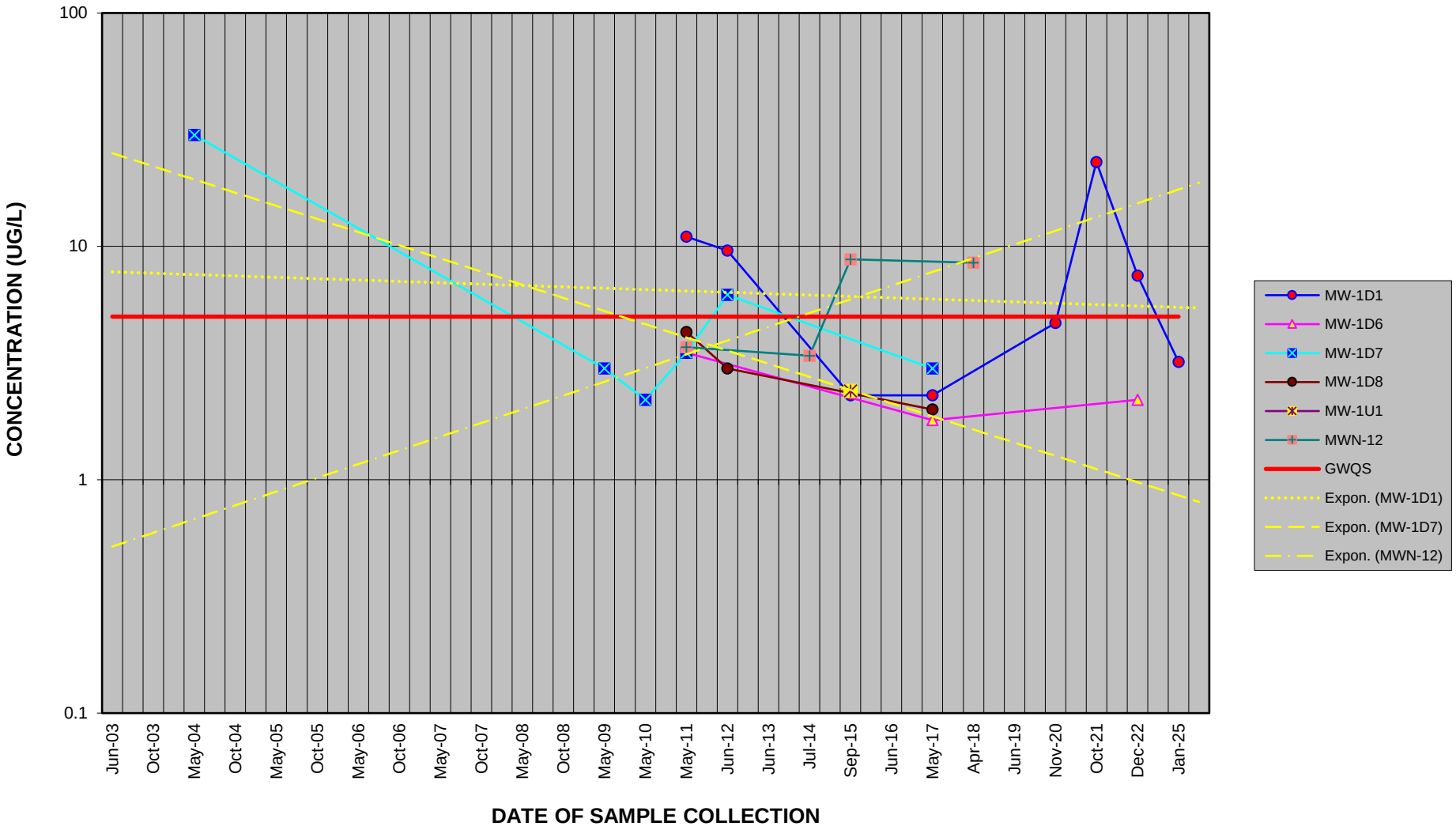


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

BIS(2-ETHYLHEXYL)PHTHALATE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

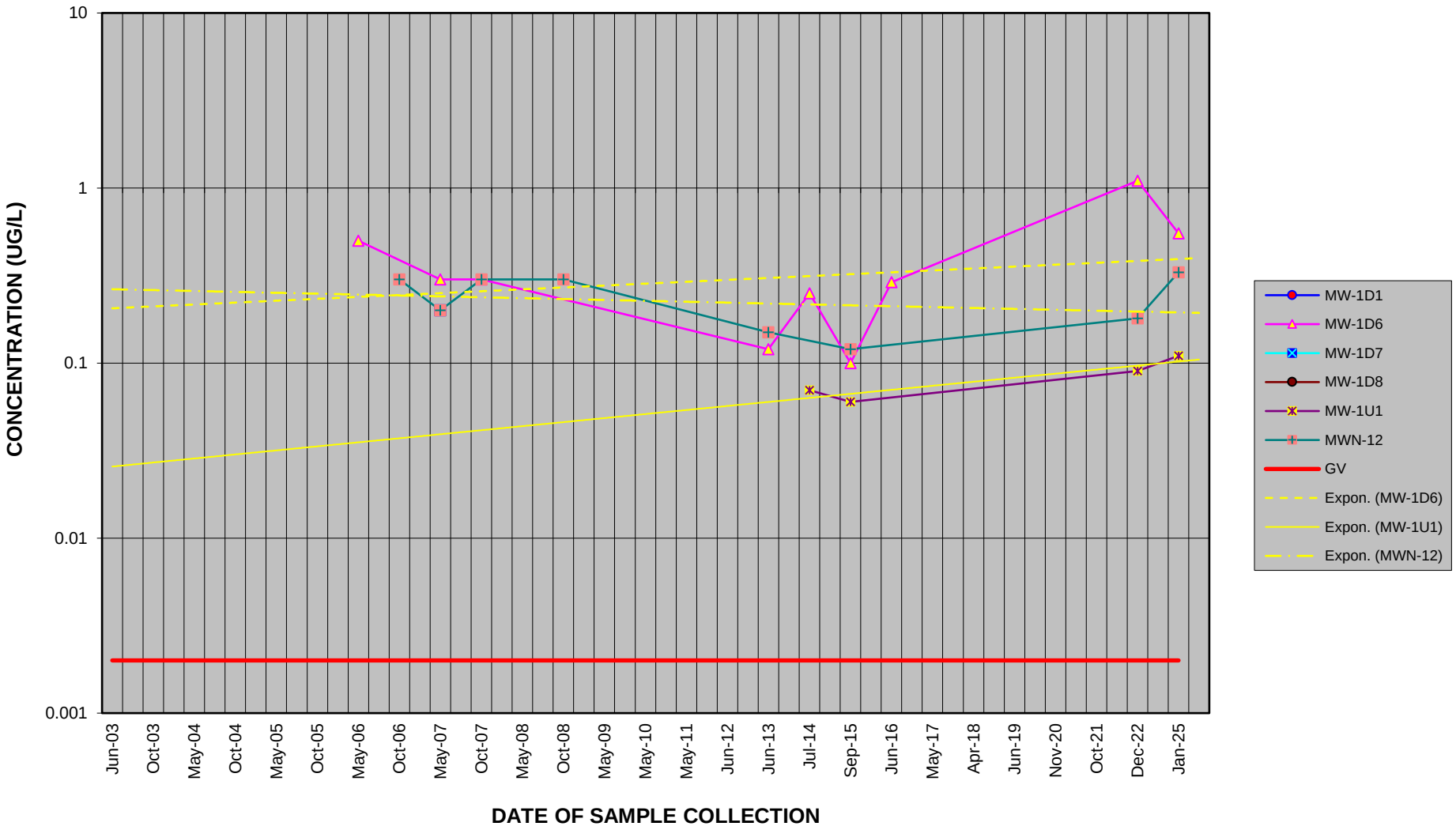


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

CHRYSENE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

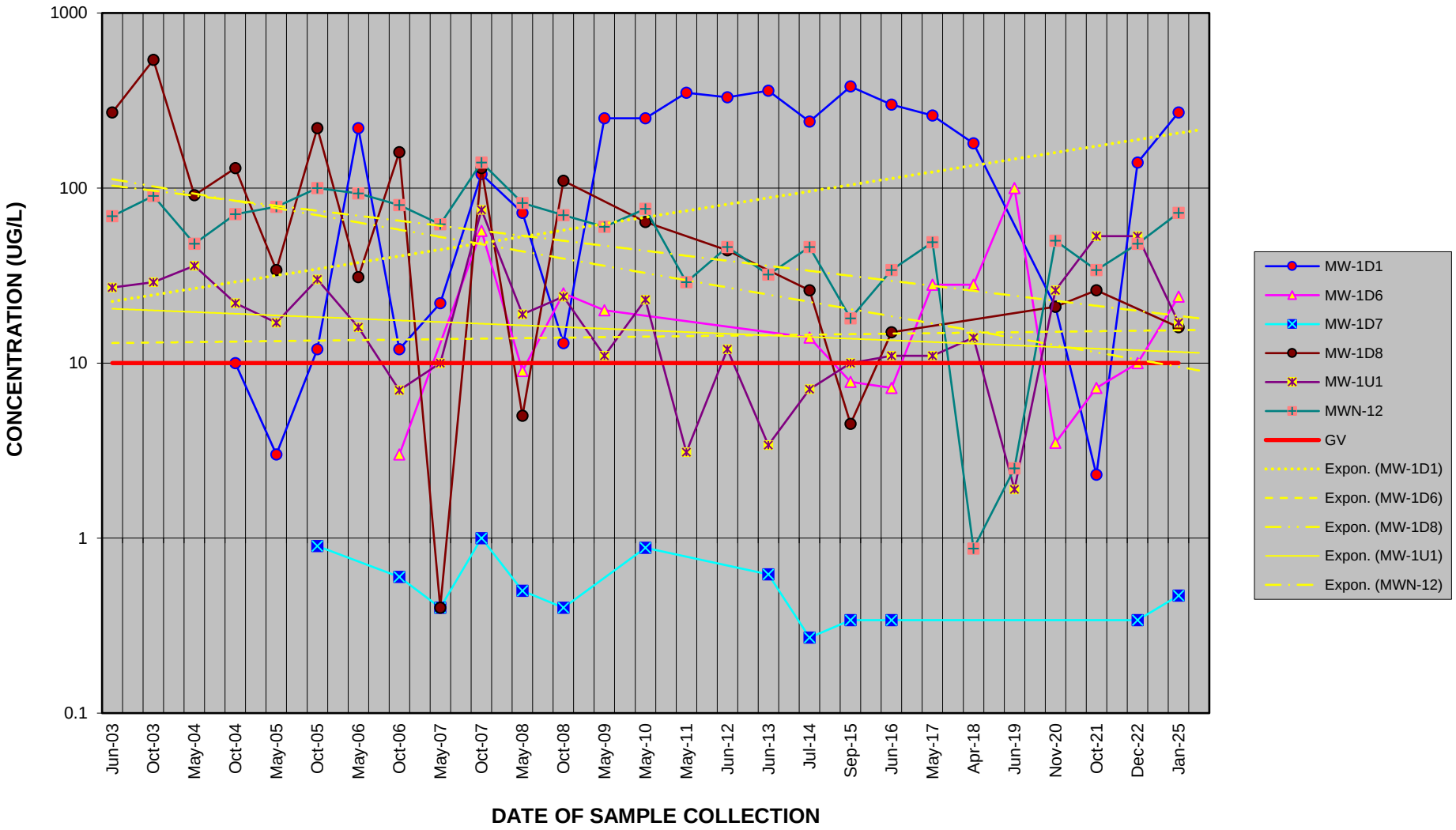


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

NAPHTHALENE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

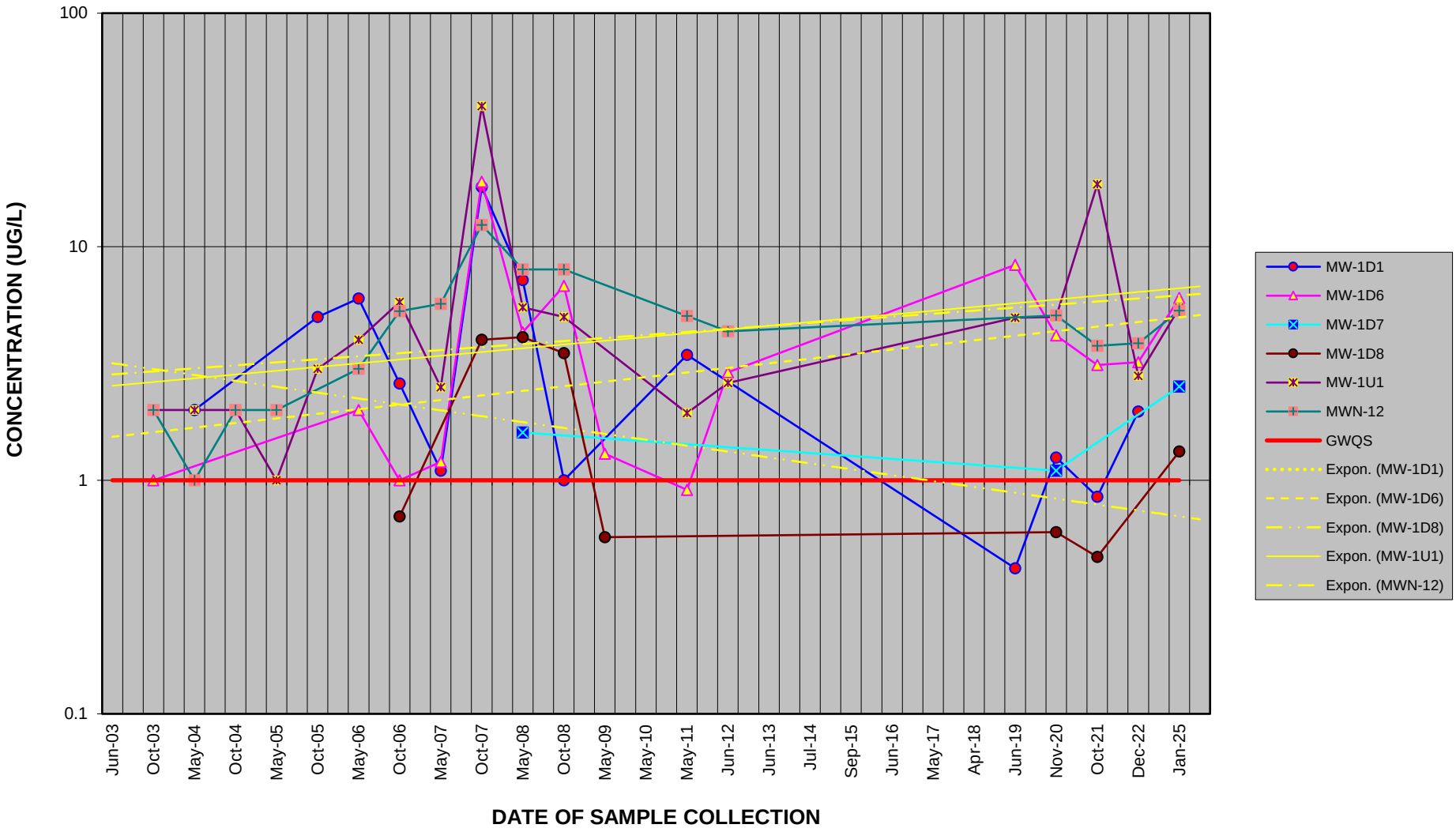


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

SUM OF PHENOLICS COMPOUNDS

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

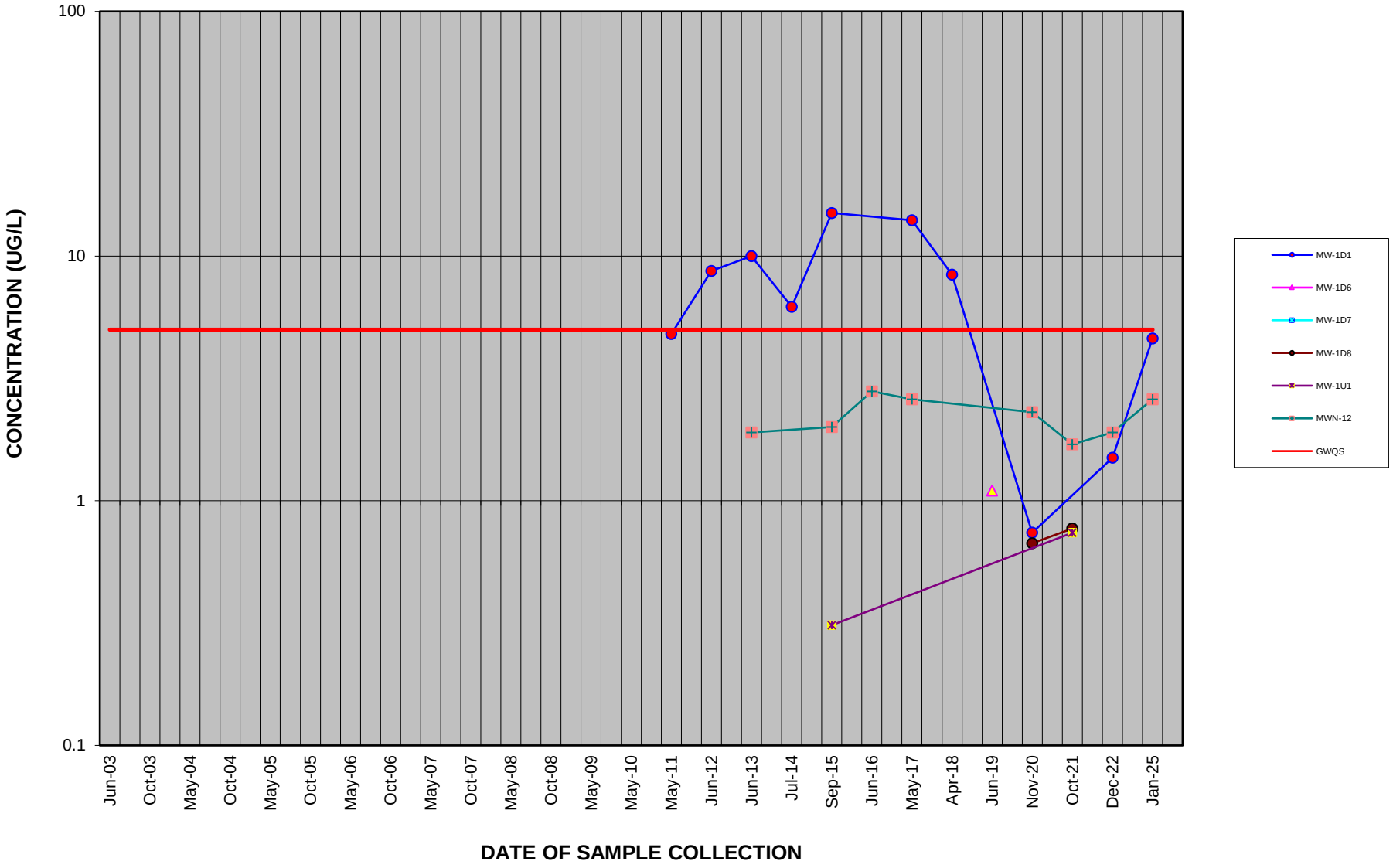


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

BYPHENYL

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

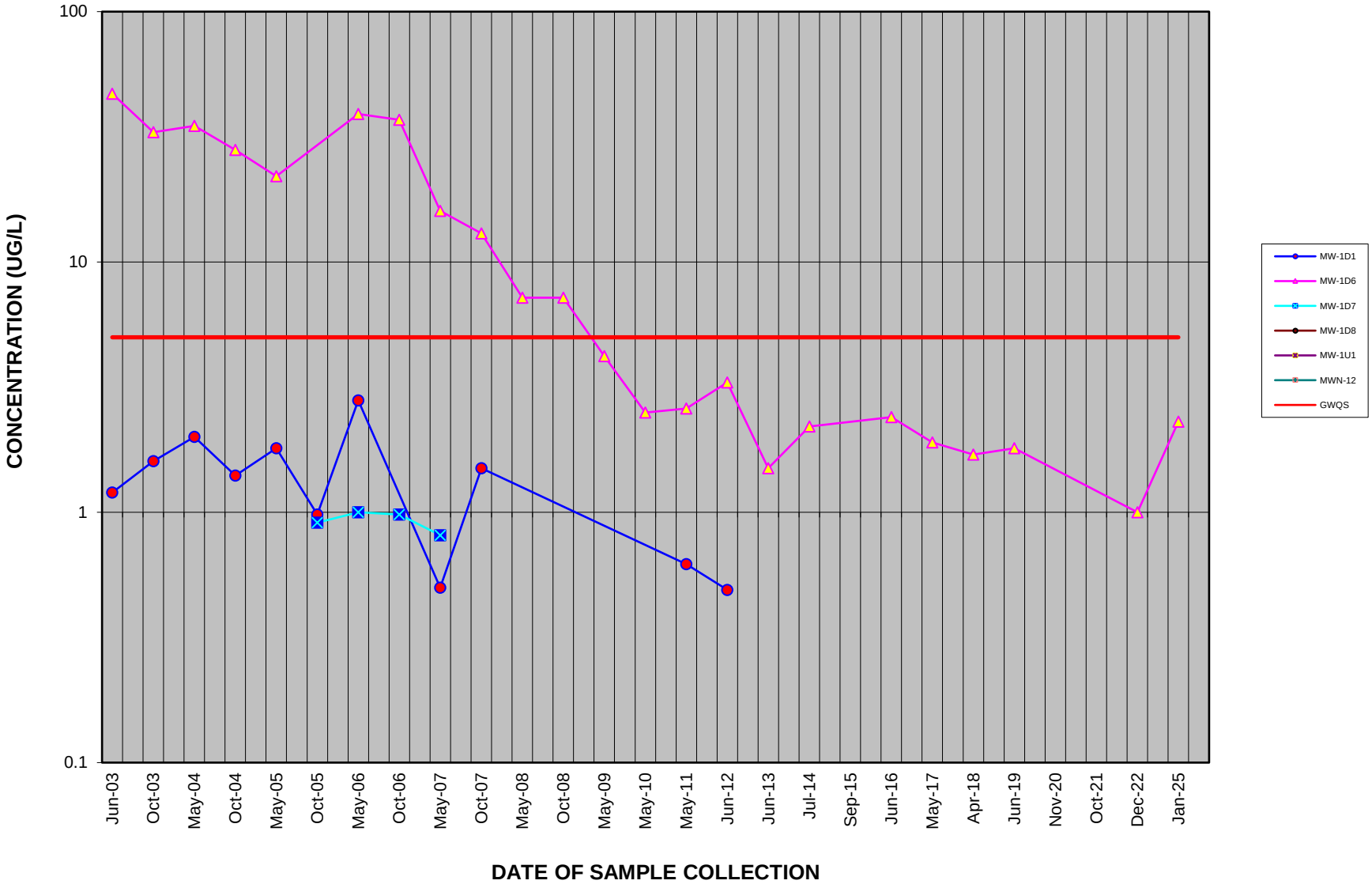


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot.

ROUX

1,1-DICHLOROETHANE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY

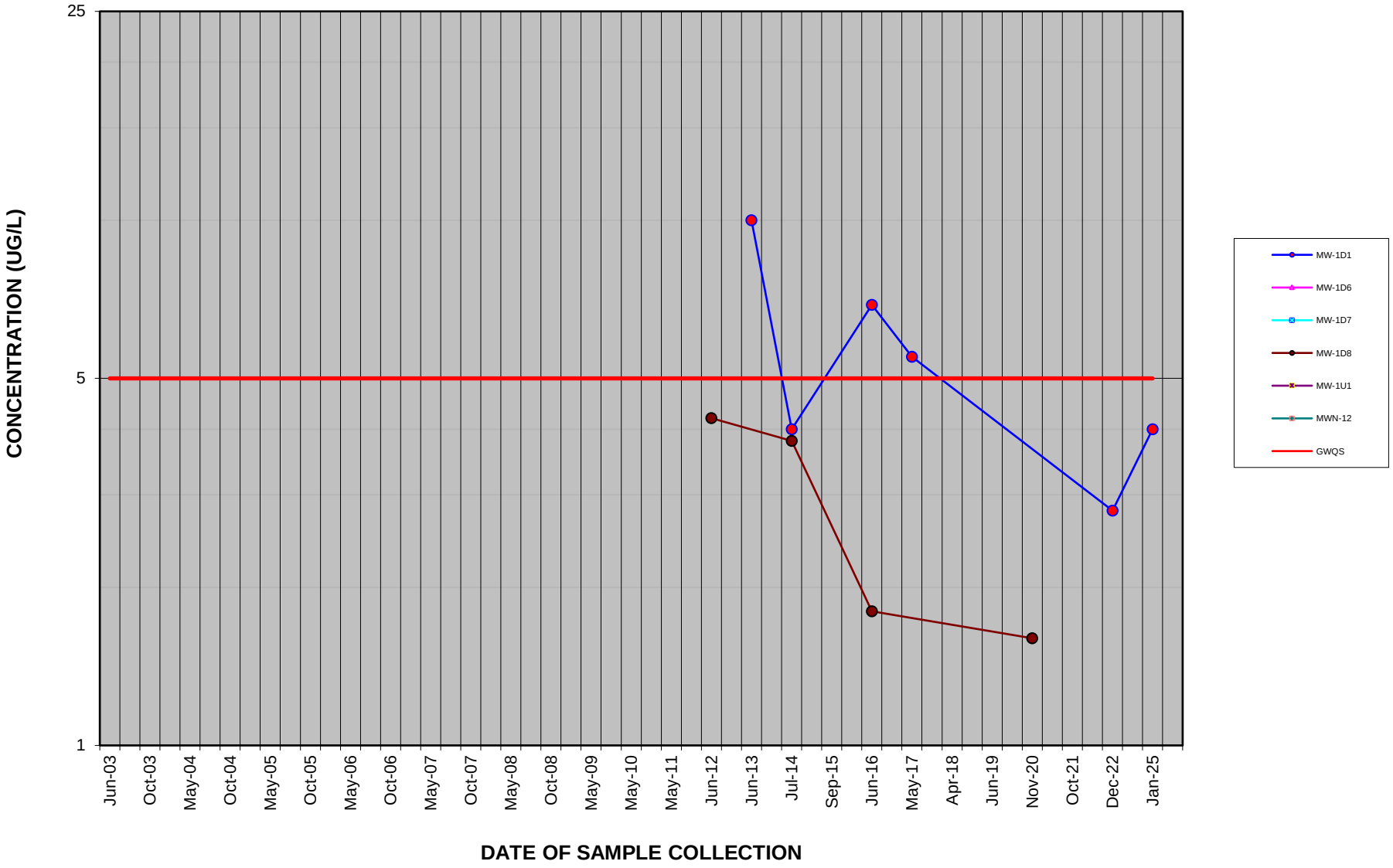


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot.

ROUX

STYRENE

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot.

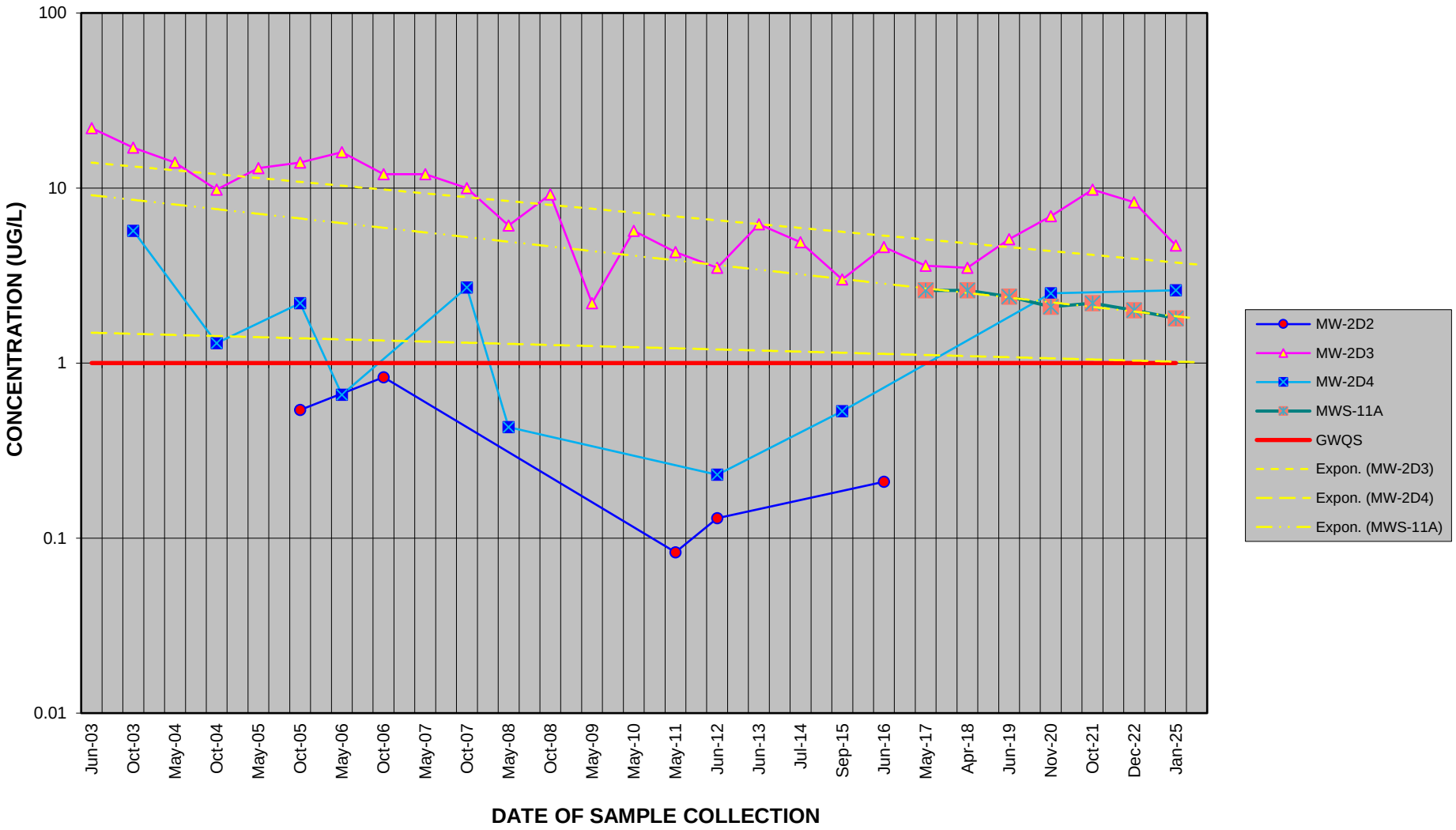
ATTACHMENT 3C

TIME-CONCENTRATION PLOTS

HWMU-2

BENZENE

HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY

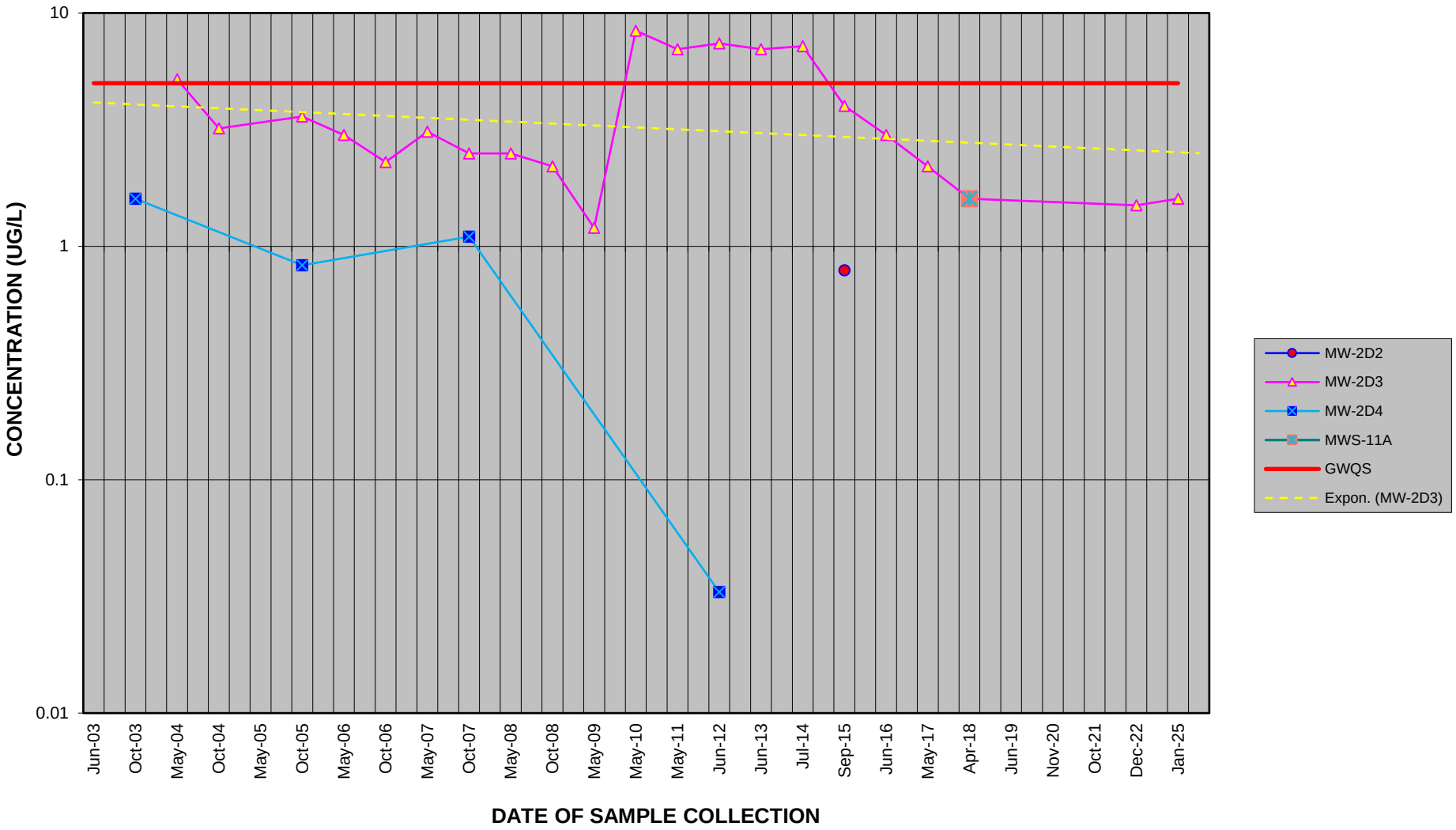


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

ETHYLBENZENE

HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY

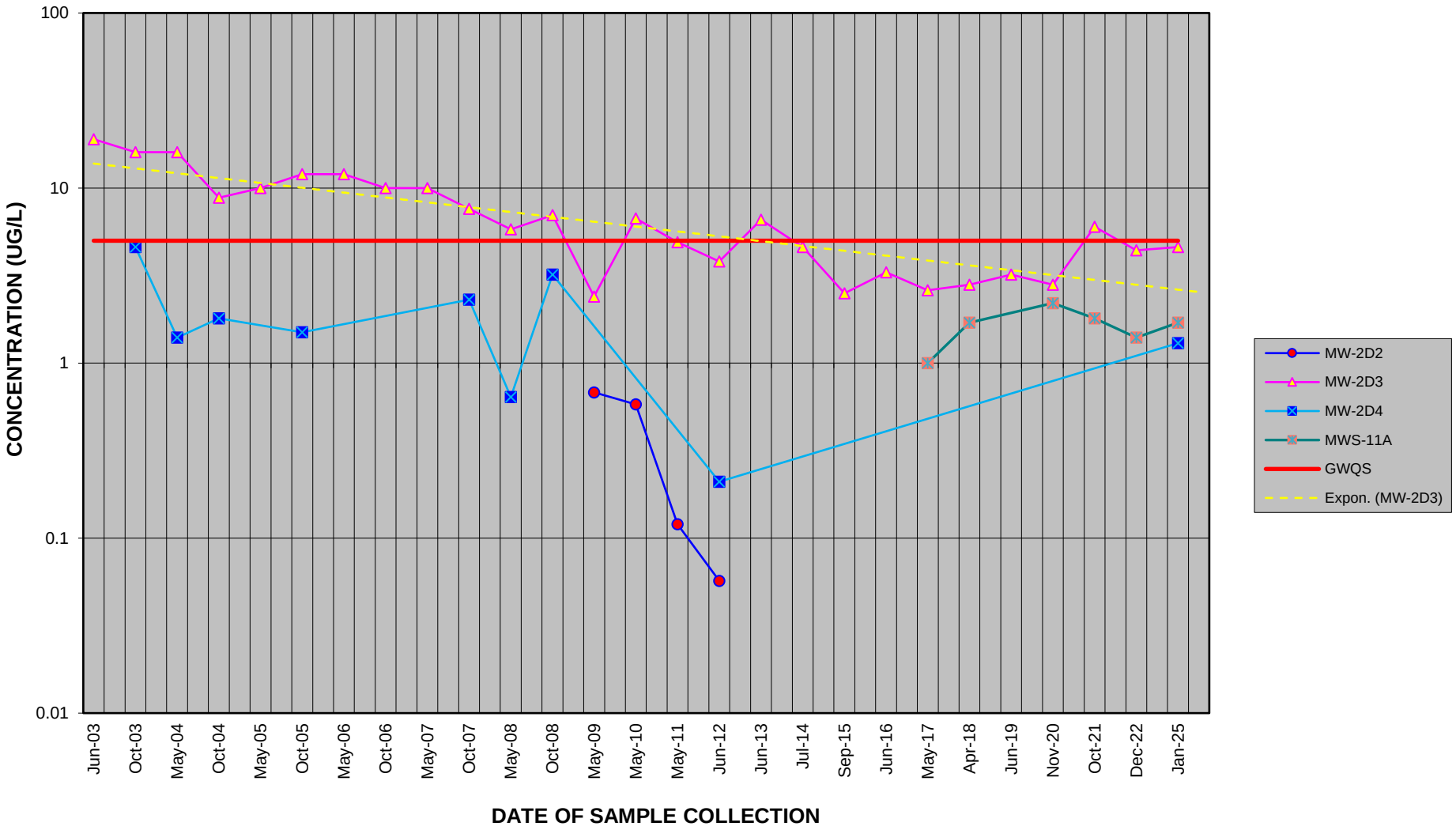


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

TOLUENE

HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY

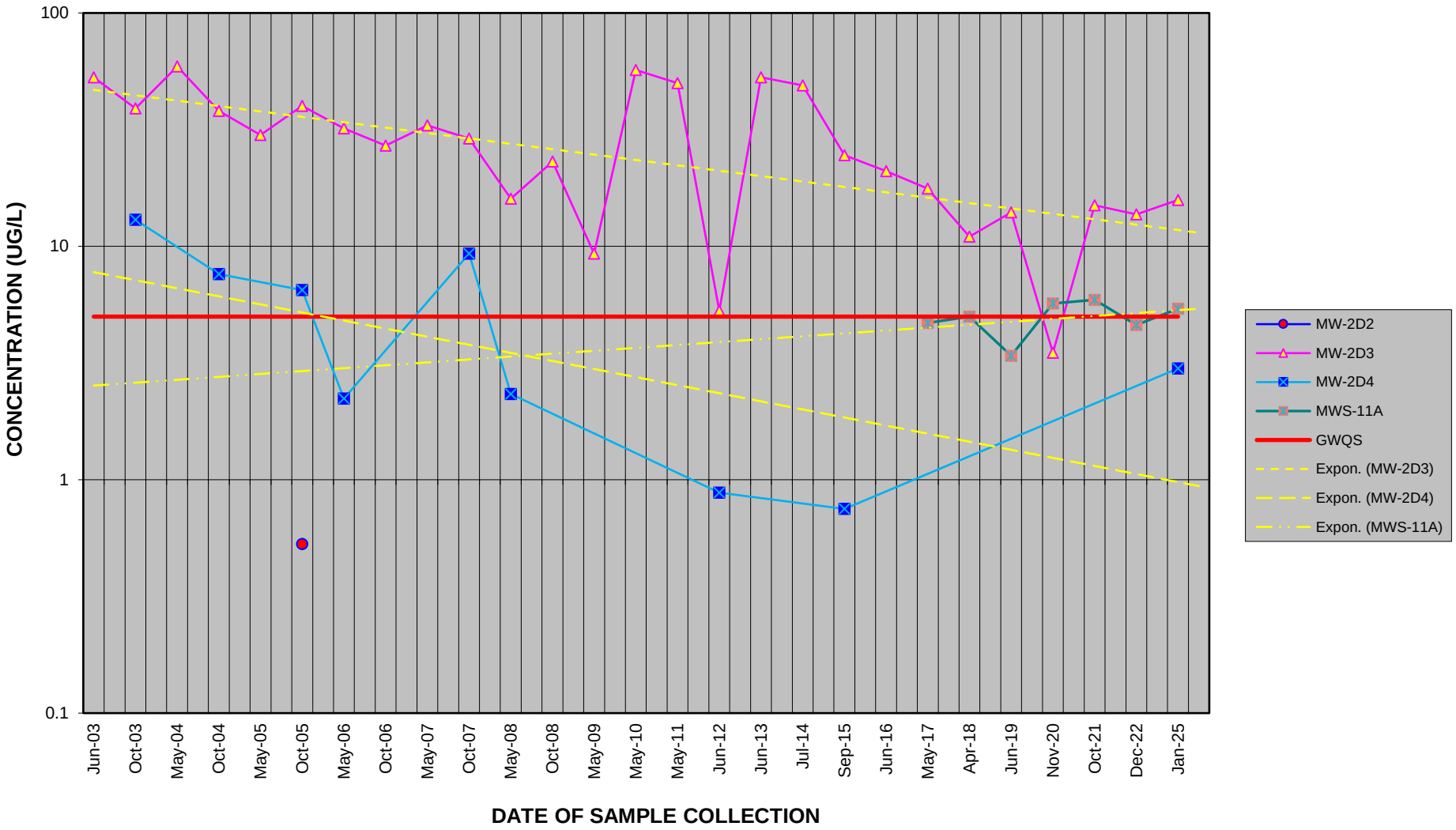


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

TOTAL XYLENES

HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY

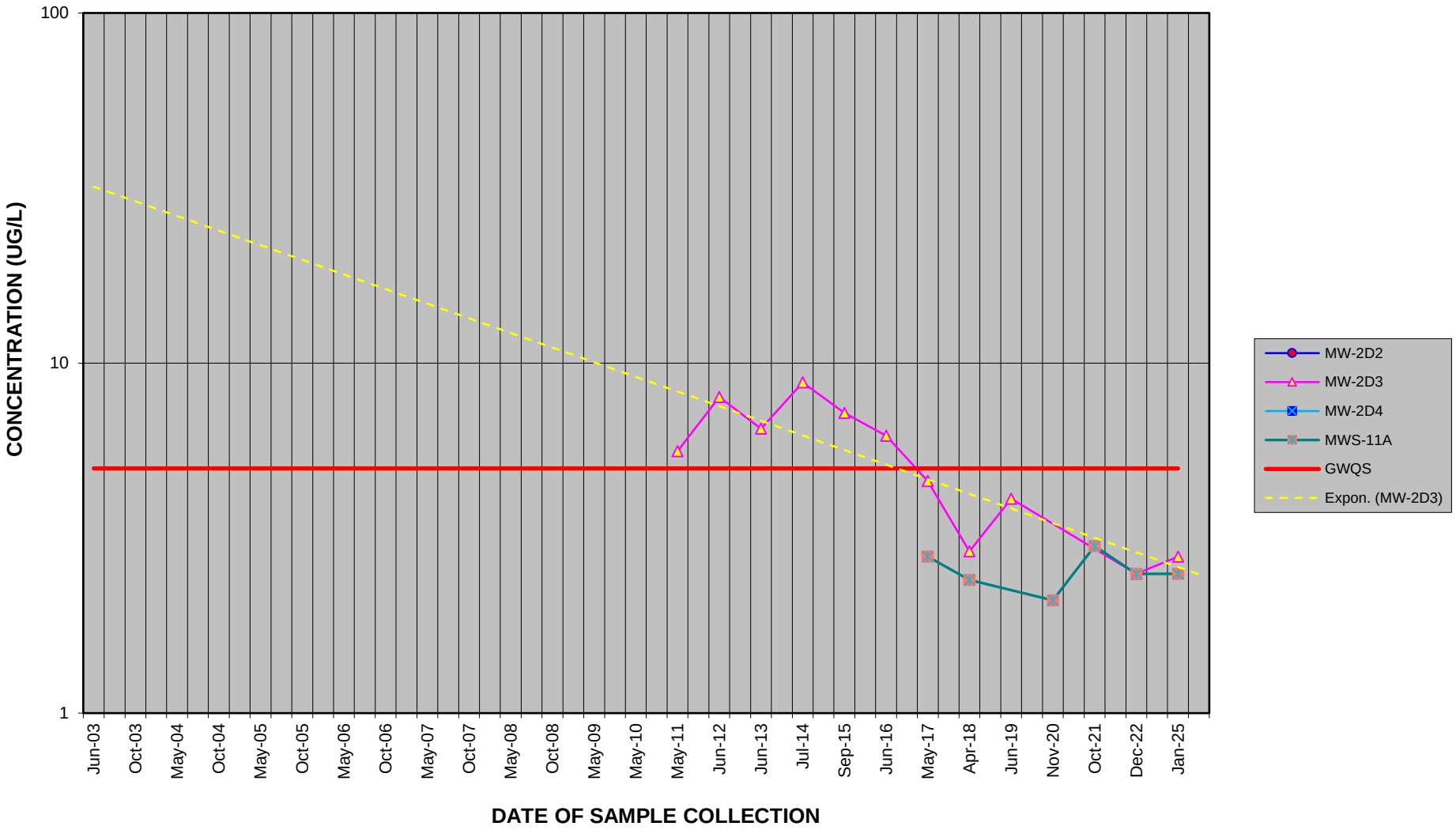


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

1,2,4-TRIMETHYLBENZENE

HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY

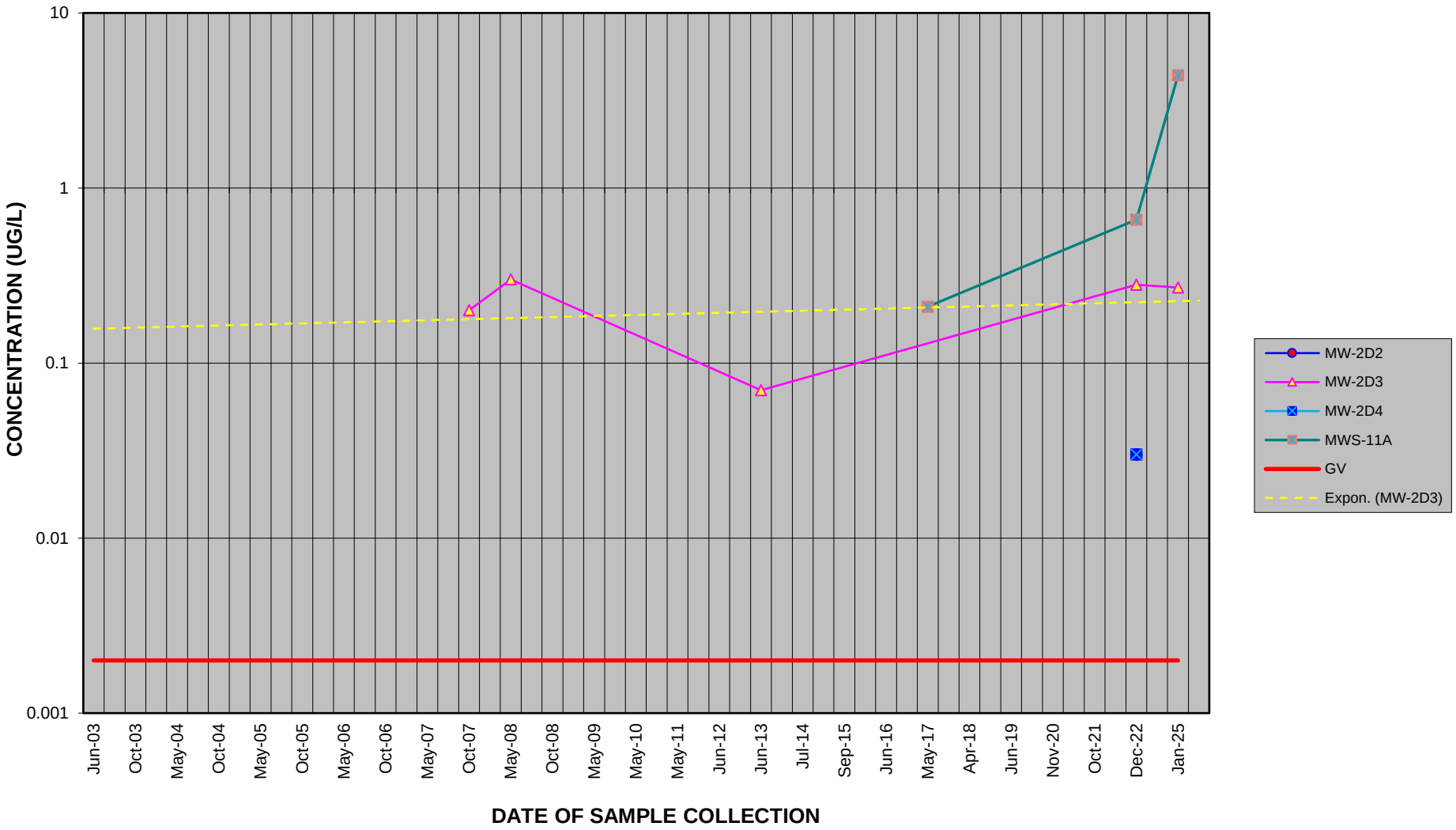


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

CHRYSENE

HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY

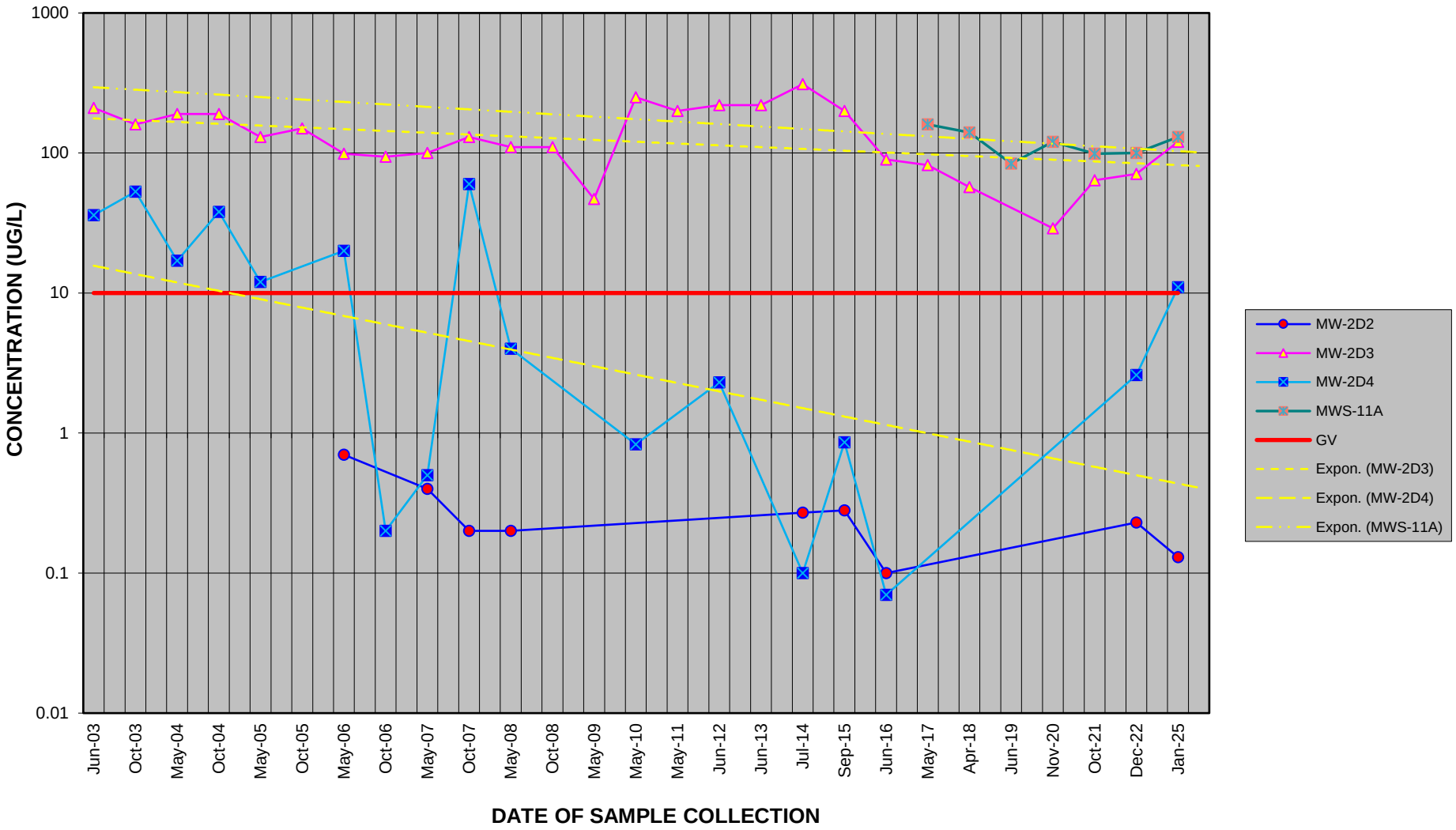


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

NAPHTHALENE

HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY

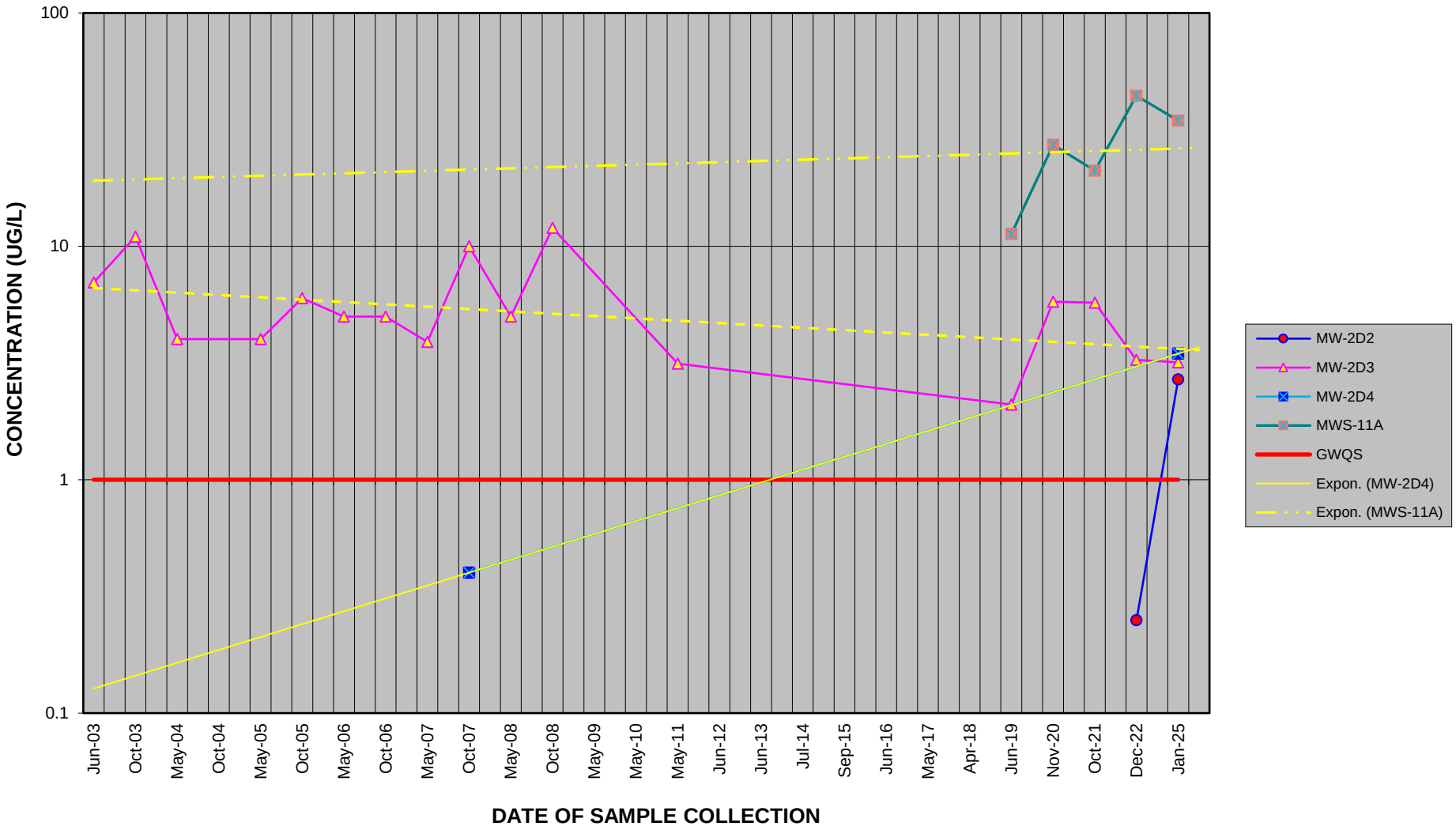


Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ROUX

SUM OF PHENOLICS COMPOUNDS

HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY



Note: Concentrations reported below method detection limits (i.e., non-detect) are not included in the plot. Trend lines are only plotted for wells that have at least one detection greater than GWQS/GVs and have at least three points plotted.

ATTACHMENT 4

HWMU 1A COVER SYSTEM INSPECTION REPORT

Field Inspection Report
HWMU 1A

Property Name: Tecumseh Redevelopment Site	Project No.: 4395.0007B000
Client: Tecumseh Redevelopment	
Property Address: HWMU 1A	Lackawanna, NY
Preparer: Rick Dubisz	Date/Time: January 23, 2025

CERTIFICATION

The results of this inspection were discussed with the Site Manager. Any corrective actions required have been identified and noted in this report, and a supplemental Corrective Action Form has been completed. Proper implementation of these corrective actions have been discussed with the Site Manager, agreed upon, and scheduled.

Preparer / Inspector: Rick Dubisz **Date:** January 25, 2025

Signature: _____

Next Scheduled Inspection Date: Late 2025

Property Access

1. Is the access road in need of repair?	☐ yes	☑ no	☐ N/A
2. Sufficient signage posted (No Trespassing)?	☑ yes	☐ no	☐ N/A
3. Has there been any noted or reported trespassing?	☐ yes	☑ no	☐ N/A

Please note any irregularities/ changes in site access and security: _____

Final Surface Cover / Vegetation

The integrity of the vegetative soil cover or other surface coverage (e.g., asphalt, concrete) over the entire Site must be maintained. The following documents the condition of the above.

1. Final Cover is in Place and in good condition?	☑ yes	☐ no	☐ N/A
Cover consists of (mainly): Vegetative Grass Cover			
2. Evidence of erosion?	☐ yes	☑ no	☐ N/A
3. Cracks visible in pavement?	☐ yes	☐ no	☑ N/A
4. Evidence of distressed vegetation/turf?	☐ yes	☑ no	☐ N/A
5. Evidence of unintended traffic and/or rutting?	☐ yes	☑ no	☐ N/A
6. Evidence of uneven settlement and/or ponding?	☐ yes	☑ no	☐ N/A
7. Damage to any surface coverage?	☐ yes	☑ no	☐ N/A

Final Surface Cover / Vegetation

If yes to questions 2 through 7 above, please provide more information below.

Gas Vent System Monitoring and Maintenance

Are there signs of stressed vegetation around gas vents?	☐ yes	☐ no	☑ N/A
Are the gas vents currently intact and operational?	☐ yes	☐ no	☑ N/A
Has regular maintenance and monitoring been documented and enclosed or referenced?	☐ yes	☐ no	☑ N/A

Groundwater Monitoring

Is there a plan in place and currently being followed?	☑ yes	☐ no	☐ N/A
Are the wells currently intact and operational?	☑ yes	☐ no	☐ N/A

When was the most recent sampling event report and submittal? Date: 2022 Annual Report, submitted April 2023

When is the next projected sampling event? Date: Late 2025

Property Use Changes / Site Development

Has the property usage changed, or site been redeveloped since the last inspection?	☐ yes	☑ no	☐ N/A

If yes, please list with date: _____

New Information

Has any new information been brought to the owner/engineer's attention regarding any and/or all engineering and institutional controls and their operation and effectiveness?

☐ yes ☑ no ☐ N/A

Comments: _____

This space for Notes and Comments

Photos taken during the inspection.

Top photo: HWMU 1A impoundment area looking east.

Bottom photo: HWMU 1A area looking south.

Photos taken during the inspection.

Bottom left photo: HWMU 1A sign looking north. Bottom right photo: HWMU 1A top of cap looking southeast.