March 23, 2022

Mr. Steven Moeller, P.G.
Engineering Geologist 1
New York State Dept. of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

Re: **Tecumseh Redevelopment Inc. - Lackawanna, New York Site**
EPA ID# NYD002134880
Hazardous Waste Management Units (HWMUs) 1A, 1B, and 2
2021 Annual Groundwater Quality Monitoring Report

Dear Mr. Moeller:

On behalf of Tecumseh Redevelopment Inc. (Tecumseh), TurnKey Environmental Restoration, LLC (TurnKey) has prepared this letter report to transmit the results of the 2021 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).

TurnKey conducted the groundwater monitoring at HWMUs-1A, -1B and 2 on October 20 through October 22, 2021. The groundwater monitoring network wells are shown on 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 Standard/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 October 2021 groundwater monitoring event were performed in general accordance with the Groundwater Monitoring, Sampling and Analysis Plan for HWMU-1 and HWMU-2, Tecumseh Redevelopment, Inc., December 2017.

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.

[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).

GROUNDWATER ELEVATIONS & FLOW

On October 20, 2021, groundwater elevations were measured in 21 monitoring wells and four piezometers around HWMU-1A/1B and seven 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 lake elevation 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 trending upward.

Figures 2 and 3 are isopotential maps representing the shallow groundwater within HWMU-1 and HWMU-2 using the October 20, 2021 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. The groundwater mounding, which is upwards of five feet beneath HWMU-1B, is due to the destruction of the temporary 30-mil reinforced polyvinyl chloride cover in 2005. Tecumseh proposed constructing a cover system over HWMU-1B as the final remedy in the 2019 Corrective Measures Study (CMS) Report. The cover system will be addressed under Operable Unit No. 8 (OU-8) that is part of the Order on Consent File No. R9-20190927-126 (commonly referred to as the Global Consent Order).

RESULTS OF OCTOBER 2021 GROUNDWATER MONITORING

Table 3 (HWMU-1) and Table 4 (HWMU-2) summarize the field-measured parameters and analytical results for the October 2021 groundwater monitoring event. Concentrations in groundwater that exceed NYSDEC Class GA GWQS/GVs are highlighted in yellow. 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. 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 2021 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. Concentrations reported below 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 2021 groundwater samples were analyzed for phenolic compounds via EPA

Method 8270 instead 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 in all four wells, with the highest concentration at the upgradient Well MW-1U1. The long-term concentration trend is generally decreasing for all wells except MW-1D2 that has a neutral trend and is only slightly above the GWQS.
- **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 well that has been above the GWQS since 2015 and historically the highest concentration is MW-1U1. The long-term concentration trends in groundwater are decreasing for Wells MW-1D3, MW-1D4, and MW-1U1. MW-1D2 has been historically below the GWQS.
- **Total Xylenes:** The concentrations in all four wells are above the GWQS in 2021, however the long-term concentration trend in groundwater is decreasing and approaching the GWQS of 5 ug/L in all four locations. Upgradient Well MW-1U1 had the highest concentration of this parameter consistent with historical findings.
- **1,2,4- and 1,3,5-Trimethylbenzene:** 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 long-term concentration trend for these parameters in groundwater is neutral for MW-1D2 with concentrations fluctuating slightly above and below the GWQS of 5 ug/L.
- **Naphthalene:** Concentrations in Well MW-1D4 have been at or below the GWQS for this parameter since 2014. Concentrations in Well MW-1D2 are the highest of the four wells and have historically been above the GWQS of 10 ug/L. The long-term concentration trend is decreasing for all wells except MW-1D3 that has a neutral trend with naphthalene detections often below the GWQS.
- **Sum of Phenolic Compounds:** The groundwater concentration for the sum of phenolic compounds at all four wells exceeded the GWQS of 1 ug/L. The long-term trends in groundwater are increasing in all wells. However, the current concentrations are less than historical maximum concentrations for all wells except for MW-1D2 which is currently at the historical maximum of 10.56 ug/L.

In general, the SSCOC concentrations in all wells are trending downward or neutral with the exception of phenolic compounds, which remain below historic maximum concentrations at all wells except MW-1D2.

HWMU-1B TRENDS

- **Benzene:** Groundwater concentrations for this parameter are currently above the GWQS of 1 ug/L in Wells MW-1U1, MW-1D7, MW-1D8, and MWN-12 with the highest concentration in upgradient Well MW-1U1. The long-term trend is decreasing in

Wells MW-1U1, MW-1D7, MW-1D8, and MWN-12 but increasing in Well MW-1D1 and MW-1D6. However, the concentrations in MW-1D1 and MW-1D6 were reported as non-detect during the subject sampling event and have been steadily decreasing at MW-1D1 since 2016 and were also reported as non-detect at MW-1D6 in 2020.

- **Ethylbenzene:** Groundwater concentrations for this parameter have always been below the GWQS of 5 ug/L in all wells except MW-1D1. The long-term concentration trend is increasing in Well MW-1D1; however, concentrations have been decreasing since 2016 and dropped below the GWQS in 2019.
- **Toluene:** Groundwater concentrations for this parameter have been below the GWQS of 5 ug/L since 2019 in all wells except MW-1U1. The long-term trend is decreasing in Wells MW-1U1 and MW-1D8 but increasing in Well MW-1D1, however concentrations in MW-1D1 have been steadily decreasing since 2017. Wells MW-1D6, MW-1D7 and MWN-12 have never exhibited toluene detections above GWQS
- **Total Xylenes:** Groundwater concentrations for this parameter have been at or below the GWQS of 5 ug/L since 2019 in wells MW-1D1, MW-1D6, MW-1D7, and MWN-12. The long-term trend is decreasing in Wells MW-1U1 and MW-1D8 but increasing in Well MW-1D1, however xylene is currently below the GWQS and has been steadily decreasing at MW-1D1 since 2016. Wells MW-1D6 and MWN-12 have never been detected above GWQS. Well MW-1D7 has no plotted data because it has historically been non-detect.
- **Trichloroethene (TCE):** Groundwater concentrations for this parameter have been below the GWQS of 5 ug/L since 2018 in all wells. The long-term trend is decreasing in Wells MW-1D1 and MW-1D7, the remaining wells have historically been non-detect. Wells MW-1D8, MW-1U1, and MWS-12 have no plotted data because they have historically been non-detect.
- **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 wells except MW-1D7. The long-term concentration trend in Well MW-1D7 is decreasing. 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 wells except MW-1D7. The long-term concentration trend in Well MW-1D7 is increasing; the concentration in 2021 was at 18 ug/L. The increasing trans-1,2-DCE and decreasing TCE concentrations at MW-1D7 may be indicative of TCE degradation. 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 wells except MW-1D7. Concentrations in Well MW-1D7 show a slight long-term increasing trend, however, the concentration in 2021 was reported as ND<4.5 ug/L. 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:** 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; however, the long-term trend is decreasing, with the last detection observed in 2016 for Well MW-1D6. Since 2017 the results for all wells have been non-detect, although the MDL is higher than the GWQS due to analytical method limitations. Wells MW-1D1 and MW-1D7 have no plotted data because they have historically been non-detect.
- **Bis(2-ethylhexyl)phthalate (DEHP):** Groundwater concentrations for this parameter have been below the GWQS of 5 ug/L since 2019 in all wells except MW-1D1. The long-term trend is decreasing in Wells MW-1D7 and MW-1D8 but increasing in wells MW-1D1 and MWN-12, although the concentration in MWN-12 is currently below the GWQS. Well MW-1U1 and MW-1D6 has only been detected below the GWQS.
- **Chrysene:** 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; however, the long-term trend is decreasing, with the last detection observed in 2016 for Well MW-1D6. Since 2017 the results for all wells have been non-detect, although the MDL is higher than the GWQS due to analytical method limitations. Wells MW-1D1, MW-1D7, and MW-1D8 have no plotted data because they have historically been non-detect.
- **Naphthalene:** Groundwater concentrations for this parameter have historically been below the GWQS of 10 ug/L in Well MW-1D7. Concentrations in Wells MW-1D8, MW-1U1 and MWN-12 have an overall decreasing trend but are currently above the GWQS. Concentrations in Wells MW-1D1 and MW-1D6 have an overall increasing trend but are currently below GWQS, with concentrations at MW-1D1 steadily decreasing since 2015.
- **1,2,4-Trimethylbenzene:** Although not identified as a SSCOC, 1,2,4-trimethylbenzene was detected above the GWQS of 5 ug/L in downgradient Well MW-1D1 from 2013 to 2019; however, the long-term trend is decreasing and is currently below the GWQS. Concentrations in all wells except MW-1D1 have been historically below the GWQS of 5 ug/L. Wells MW-1D7 and MWS-12 have no plotted data because they have historically been non-detect.
- **Sum of Phenolic Compounds:** The groundwater concentration for the sum of phenolic compounds at Wells MW-1D1, MW-1D7, and MW-1D8 are currently below the GWQS of 1 ug/L. The concentration for the sum of phenolic compounds at Wells MW-1D6, MW-1U1, and MWN-12 currently exceed the GWQS of 1 ug/L. The long-term trend is decreasing in Wells MW-1D1 and MW-1D8 but increasing in Well MW-1D6, MW-1U1, and MWN-12. However, the concentrations in MW-1D6 and MWN-12 have decreased as compared to 2020. The highest concentration for the sum of phenolic compounds for 2021 was observed in Well MW-1U1 (18.5 ug/L) located on the upgradient side of the unit.

In general, the SSCOC concentrations in many wells are trending downward and approaching the GWQSs with a few 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 Well MW-2D2 have been historically below the GWQS of 1 ug/L. Concentrations in Wells MW-2D3 and MWS-11A have an overall decreasing trend but are currently above the GWQS. Concentrations in Well MW-2D4 show a long-term decreasing trend with a concentration in 2021 of ND<2.1 ug/L.
- **Ethylbenzene:** Groundwater concentrations of this parameter in Well MW-2D3 trended and has remained below the GWQS of 5 ug/L since 2015. Concentrations in the remaining wells have not exceeded the GWQS.
- **Toluene:** Groundwater concentrations of this parameter in Well MW-2D3 have an overall decreasing trend but is currently slightly above the GWQS with an estimated concentration of 6 ug/L. Concentrations in the remaining wells have not exceeded the GWQS.
- **Total Xylenes:** Groundwater concentrations of this parameter in Well MW-2D3 are currently above the GWQS of 5 ug/L with an overall decreasing trend. Concentrations in Well MW-2D4 have an overall decreasing trend and have remained below the GWQS since 2008. The concentration observed in upgradient Well MWS-11A has an overall increasing trend that slightly exceeds the GWQS. Concentrations in Well MW-2D2 have historically been below the GWQS.
- **1,2,4-Trimethylbenzene:** This parameter was first detected in 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 wells have not exceeded the GWQS. Wells MW-2D2 and MW-2D4 have no plotted data because they have historically been non-detect.
- **Chrysene:** Concentrations of this parameter in Well MW-2D3 have been reported above the GWQS of 0.002 ug/L during prior events from 2007 to 2013; however, the long-term trend is decreasing, with the last detection observed in 2013. In 2017, chrysene was detected in upgradient Well MWS-11A at a concentration above the GWQS. Since 2018 the results for all wells have been non-detect, although the MDL is higher than the GWQS due to analytical method limitations. Wells MW-2D2 and MW-2D4 have no plotted data because they have historically been non-detect.
- **Naphthalene:** Groundwater concentrations of this parameter in Well MW-2D2 have been historically below the GWQS of 1 ug/L. Concentrations in Well MW-2D4 trended below the GWQS in 2008. Concentrations in Wells MW-2D3, MW-2D4 and MWS-11 have an overall decreasing trend with only Wells MW-2D3 and MWS-11A currently exceeding the GWQS.
- **Sum of Phenolic Compounds:** The sum of Phenolic compounds have not been detected above GWQS in Wells MW-2D2 and MW-2D4. Upgradient Well MWS-11A had the highest concentration for the sum of phenolic compounds (21.1 ug/L, estimated) and appears to have a neutral trend. The concentration in Well MW-2D3 was reported slightly above the GWQS but has an overall decreasing trend. Well MW-2D2 has no plotted data because it has historically been non-detect.

In general, the SSCOC concentrations in all downgradient wells are trending downward with concentrations in MW-2D3 being greater than MW-2D2 and MW-2D4. In upgradient Well MWS-11A, concentrations of benzene, xylene, naphthalene, total phenolic compounds, and possibly chrysene are above GWQS. SSCOC concentrations generally have been similar in upgradient Well MWS-11A and downgradient Well MW-2D3, indicating that HWMU 2 is not significantly impacting groundwater concentrations.

NYSDEC EQuIS Deliverables

On January 7, 2022, TurnKey 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 December 22, 2021, an inspection of the cover system over HWMU-1A was completed, as requested by NYSDEC in its December 11, 2018 CMS Report comment letter. The cover system is 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.

Planned Activities

The next groundwater monitoring event for HWMU-1 and HWMU-2 is tentatively scheduled for August 2022. The next HWMU-1A cover system inspection will be performed concurrent with the groundwater monitoring.

Please contact us if you have any questions or require additional information.

Sincerely,
TurnKey Environmental Restoration, LLC

Brock Greene
Senior Project Environmental Scientist

Att.
ec: Stan Radon (NYSDEC Region 9)
Keith Nagel (Tecumseh Redevelopment)
Thomas Forbes (TurnKey)
Paul Werthman (TurnKey)

File: 0071-020-240

TABLES

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.

TABLE 2

SUMMARY OF GROUNDWATER ELEVATIONS
October 20, 2021

2021 Annual Event
Hazardous Waste Management Units HWMU-1 & HWMU-2
Tecumseh Redevelopment Inc.
Lackawanna, New York

Location	TOR Elevation [1]	DTW (fbTOR)	GWE [1]
HWMU-1A & 1B MONITORING WELLS (25)			
MW-1D1	610.59	32.10	578.49
MW-1D2	614.46	40.10	574.36
MW-1D3	612.69	39.25	573.44
MW-1D4	612.52	39.00	573.52
MW-1D5	613.49	40.05	573.44
MW-1D6	610.94	37.16	573.78
MW-1D7	611.26	36.19	575.07
MW-1D8	610.74	35.40	575.34
MW-1U1	613.18	39.41	573.77
MWN-03	611.96	38.60	573.36
MWN-04	623.45	50.35	573.10
MWN-05A	622.84	49.85	572.99
MWN-12	608.59	35.30	573.29
MWN-13A	607.32	33.40	573.92
MWN-28A	595.76	21.99	573.77
MWN-29A	596.19	22.60	573.59
MWN-35A	608.71	34.85	573.86
MWN-36A	598.42	24.50	573.92
MWN-42A	579.37	5.79	573.58
P-4S	610.85	37.50	573.35
P-5S	616.71	43.25	573.46
P-6S	618.92	45.60	573.32
P-7S	610.59	37.25	573.34
WT8-01	612.49	39.01	573.48
WT8-02	645.62	72.35	573.27
HWMU-2 MONITORING WELLS (8)			
MW-2D2	632.60	58.65	573.95
MW-2D3	635.52	61.60	573.92
MW-2D4	629.60	55.50	574.10
MW-2U1	629.69	DRY	DRY
MWS-09	630.82	57.15	573.67
MWS-11A	639.86	65.11	574.75
MWS-15	627.43	52.41	575.02
MWS-26A	625.61	51.80	573.81
LAKE ERIE			
Lake Erie [2]	NA	NA	573.3

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
3. Product was not observed in any oth these wells during this monitoring event.

Acronyms:

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

TABLE 3

SUMMARY OF HWMU-1 GROUNDWATER ANALYTICAL RESULTS

October 2021 Annual Event
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**	**12.02**	**12.01**	**12.29**	**12.28**	**12.25**	**12.30**	**12.31**	**12.31**	**11.41**	**11.41**	**8.54**	8.26	**10.57**	**10.58**	**12.49**	**12.48**	**12.15**	**12.17**
Temperature (°C)	**NA**	16.8	17.0	12.1	12.3	12.7	12.8	12.8	12.8	14.5	14.3	14.7	14.8	15.3	15.2	15.4	15.6	12.6	12.5
Sp. Conductance (uS)	**NA**	3466	3443	2257	2253	2868	2486	2439	2440	3496	3555	3579	3644	2380	2311	4178	4086	2005	2000
Turbidity (NTU)	**NA**	4.52	4.07	11.70	9.58	32.0	20.8	2.69	2.77	23.00	19.40	4.37	3.68	1.15	1.15	1.35	0.98	3.18	2.36
DO (ppm)	**NA**	1.26	1.27	(5)	(5)	(5)	(5)	(5)	(5)	1.34	0.87	1.88	1.71	1.48	1.50	3.06	2.72	1.03	0.78
Eh (mV)	**NA**	-136	--136	-216	-220	-284	-260	-270	-257	-165	-161	-198	-213	-10	-8	-185	-199	-243	-239
Total Volume purged (gallons)	**NA**	2		3		5		2.25		2		4.5		5		7.5		4	
Appearance and Odor	**NA**	Clear, no odor	Clear, no odor	Clear, sulfur like odor	Clear, sulfur like odor	Clear, sulfur like odor	Clear, sulfur like odor	Clear, sulfur like odor	Clear, sulfur like 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):																			
4-Isopropyltoluene	**5**	ND		0.56 J		ND		ND		ND		ND		ND		ND		ND	
Benzene	**1**	ND		**3**		**7.4**		**10**		ND		**6.6**		**1.8 J**		**2.0**		**280 D**	
cis-1,2-Dichloroethene	**5**	ND		--		--		--		ND		**18**		ND		ND		ND	
trans-1,2-Dichloroethene	**5**	ND		--		--		--		ND		**18**		ND		ND		ND	
Ethylbenzene	**5**	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Toluene	**5**	1.1 J		3.9		3.2		3.8		ND		ND		4.8		0.68 J		**29**	
Trichloroethene	**5**	--		--		--		--		--		--		--		--		--	
1,2,4-Trimethylbenzene	**5**	ND		**17**		ND		ND		ND		ND		4.6		ND		ND	
1,3,5-Trimethylbenzene	**5**	ND		**9**		0.85 J		1.3		ND		ND		4.6		ND		1.5 J	
Vinyl Chloride	**2**	--		--		--		--		--		--		--		--		--	
m-Xylene & p Xylene	**5**	ND		**6.6**		2.5		3		ND		ND		**6.8**		ND		**14**	
o-Xylene	**5**	2.2 J		4		3.2		3		ND		ND		**5.3**		ND		**9.3**	
Xylenes, Total	**5**	2.2 J		**11**		**5.7**		**6**		ND		ND		**12**		ND		**23**	
Semi-Volatile Organic Compounds (ug/L):																			
2-Methylphenol	**1****	ND		0.71 J		**2.4 J**		**1.2 J**		0.85 J		ND		ND		0.75 J		**5.2**	
2-Methylnaphthalene	**--**	ND		72 D		ND		2.4 J		0.83 J		ND		5.4		6.6		2.8 J	
2,4-Dimethylphenol	**1****	ND		0.65 J		ND		**1.1 J**		0.77 J		ND		ND		0.82 J		**3.4 J**	
4-Methylphenol	**1****	0.37 J		**2.3 J**		**7.5 J**		**3.4 J**		**1.5 J**		ND		0.47 J		**2.2 J**		**9.9 J**	
Acenaphthene	**20***	ND		1.7 J		ND		1.3 J		ND		0.6 J		0.49 J		2.9 J		2.2 J	
Acenaphthylene	**--**	ND		22		ND		2 J		ND		ND		3.8 J		3.2 J		2.1 J	
Acetophenone	**--**	ND		0.94 J		ND		ND		ND		ND		1.2 J		ND		ND	
Anthracene	**50***	ND		ND		ND		0.7 J		ND		ND		ND		2.3 J		0.95 J	

TABLE 3

SUMMARY OF HWMU-1 GROUNDWATER ANALYTICAL RESULTS

October 2021 Annual Event
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)
Benzo(a)anthracene [4]	**0.002***	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	**5**	ND	**7.9**	ND	ND	ND	ND	0.77 J	1.7 J	0.74 J
Bis(2-Ethylhexyl)phthalate	**5**	**23**	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	**--**	ND	3.8 J	4.3 J	3.9 J	2.5 J	ND	0.8 J	7.2	5.5
Chrysene [4]	**0.002***	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	**--**	ND	11	ND	1.8 J	0.96 J	ND	0.97 J	6.9 J	2.5 J
Di-n-octyl phthalate	**50***	ND	1.2 J	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	**50***	ND	0.52 J	ND	0.81 J	3.3 J	0.52 J	ND	4.6 J	1.6 J
Fluorene	**50***	ND	6.6	2.1 J	3 J	0.66 J	4.4 J	1.1 J	10	4.2 J
Naphthalene	**10***	2.3 J	**180 D**	12 J	10	7.2	ND	**26**	**34**	**53**
Phenanthrene	**50***	ND	3.4 J	2.6 J	4.3 J	8.7	ND	ND	18	6.6
Phenol	**1****	0.48 J	**6.9**	**34**	0.42 J	ND	ND	ND	ND	ND
Pyrene	**50***	ND	ND	ND	0.4 J	1.5 J	ND	ND	3 J	1.1 J
Total Phenolic Compounds	**1****	*0.85 J*	***10.56 J***	***43.9 J***	***5.7 J***	***3.12 J***	*ND*	*0.47 J*	***3.77 J***	***18.5 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 benzo(a)anthracene and chrysene are above the GWGV.
5. Dissolved oxygen meter malfunction.

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.

D = Analyzed at the secondary dilution factor.

TABLE 4

SUMMARY OF HWMU-2 GROUNDWATER ANALYTICAL RESULTS

October 2021 Annual Event
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**	**9.93**	**9.91**	**11.40**	**11.41**	8.36	8.35	**12.17**	**12.17**
Temperature (°C)	**NA**	15.8	15.7	15.2	15.2	14.8	14.9	14.6	14.7
Sp. Conductance (mS)	**NA**	954	957	1185	1191	928	926	2175	2174
Turbidity (NTU)	**NA**	3.2	3.41	4.44	4.06	4.84	3.62	14.8	9.5
DO (ppm)	**NA**	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Eh (mV)	**NA**	-59	-56	-217	-219	-19	-19	-227	-229
Total Volume Purged (gallons)	--	5		3.5		1.75		1	
Appearance and Odor	**NA**	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):									
Benzene	**1**	ND		**9.8**		ND		**2.2**	
Toluene	**5**	ND		**6 F1**		ND		1.8 J	
1,2,4-Trimethylbenzene	**5**	ND		ND		ND		3	
1,3,5-Trimethylbenzene	**5**	ND		ND		ND		1.6 J	
m-Xylene & p-Xylene	**5**	ND		**9.1 J F1**		ND		4	
o-Xylene	**5**	ND		**5.6 F1**		ND		1.9 J	
Xylenes, Total	**5**	ND		**15 F1**		ND		**5.9**	
Semi-Volatile Organic Compounds (ug/L):									
Acenaphthene	**20***	ND		3.7 J		ND		2.7 J	
Acenaphthylene	--	ND		14		ND		12	
Anthracene	**50***	ND		2.4 J		ND		1 J	
4-Methylphenol	**1****	ND		**1.9 J**		ND		**10**	
2-Methylnaphthalene	--	ND		12		ND		19	
2-Methylphenol	**1****	ND		**1.4 J**		ND		**5.6**	
2,4-Dimethylphenol	**1****	ND		**1.9 J**		ND		**4.4 J**	
Biphenyl	**5**	ND		2.7 J		ND		3.2 J	
Carbazole	--	ND		14		ND		9.4	
Chrysene [4]	**0.002***	ND		ND		ND		ND	
Dibenzofuran	--	ND		12		ND		9.8 J	
Fluoranthene	**50***	ND		2.5 J		ND		3.4 J	
Fluorene	**50***	ND		19		ND		9.6	
Naphthalene	**10***	ND		**64 D**		ND		**99 D**	
Phenanthrene	**50***	ND		26		ND		11	
Phenol	**1****	ND		0.53 J		ND		**1.1 J**	
Pyrene	**50***	ND		1.3 J		ND		2.1 J	
Total Phenolic Compounds	**1****	ND		***5.73 J***		ND		***21.1 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.
5. Dissolved oxygen meter malfunction

Acronyms:

J = Estimated value

BOLD = exceeds GWQS/GV

ND = Indicates parameter was not detected above laboratory reporting limit.

F1 = MS and/or MSD recovery exceeds control limits.

" -- " = Not analyzed for this parameter or no GWQS/GV exists for this parameter.

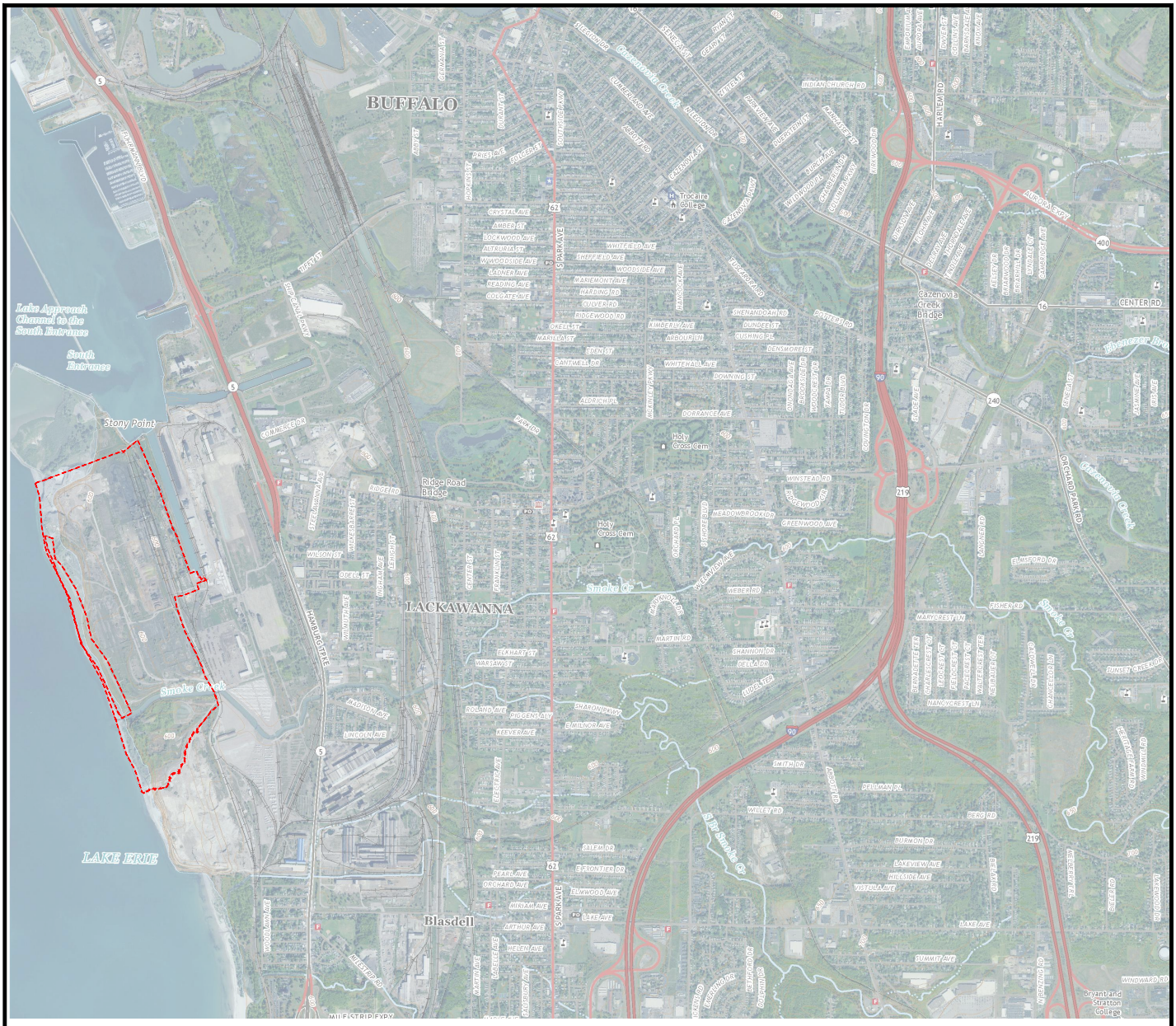
" * " = The Guidance Value was used where a Standard has not been established.

" ** " = General GWQS of 1.0 ug/L for total phenolic compounds.

FIGURES

F:\CAD\TurnKey\Tecumseh Redevelopment\HWMU Groundwater Sampling\2020\Figure 1; Site Location and Vicinity Map.dwg, 1/11/2021 11:25:53 AM

FIGURE 1



BASEMAP PER USGS QUADRANGLE BUFFALO SOUTHEAST 2019

SCALE: 1 INCH = 4,000 FEET
SCALE IN FEET
(approximate)

LEGEND:

TECUMSEH REDEVELOPMENT CMS AREA

QUADRANGLE LOCATION

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

PROJECT NO.: 0071-020-240

DATE: OCTOBER 2020

DRAFTED BY: RFL

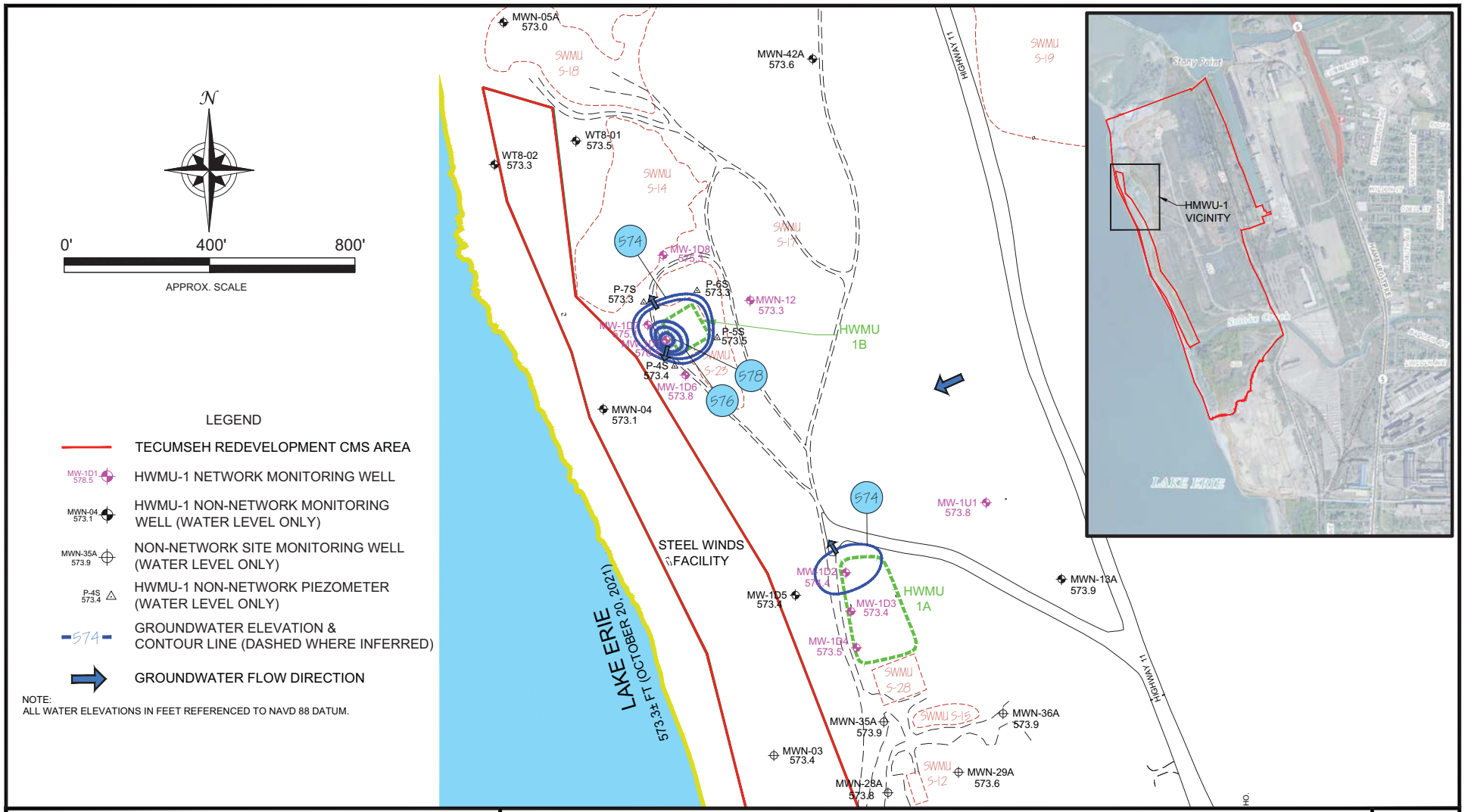
SITE LOCATION & VICINITY MAP

HWMU-1 & HWMU-2 ANNUAL GROUNDWATER MONITORING PROGRAM

FORMER BETHLEHEM STEEL LACKAWANNA COKE DIVISION SITE
LACKAWANNA, NEW YORK

PREPARED FOR

TECUMSEH REDEVELOPMENT INC.



TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0071-020-240

DATE: DECEMBER 2020

DRAFTED BY: CMC

HWMU-1 SHALLOW GROUNDWATER ISOPOTENTIAL MAP
October 20, 2021

HWMU-1 & HWMU-2 ANNUAL GROUNDWATER MONITORING PROGRAM

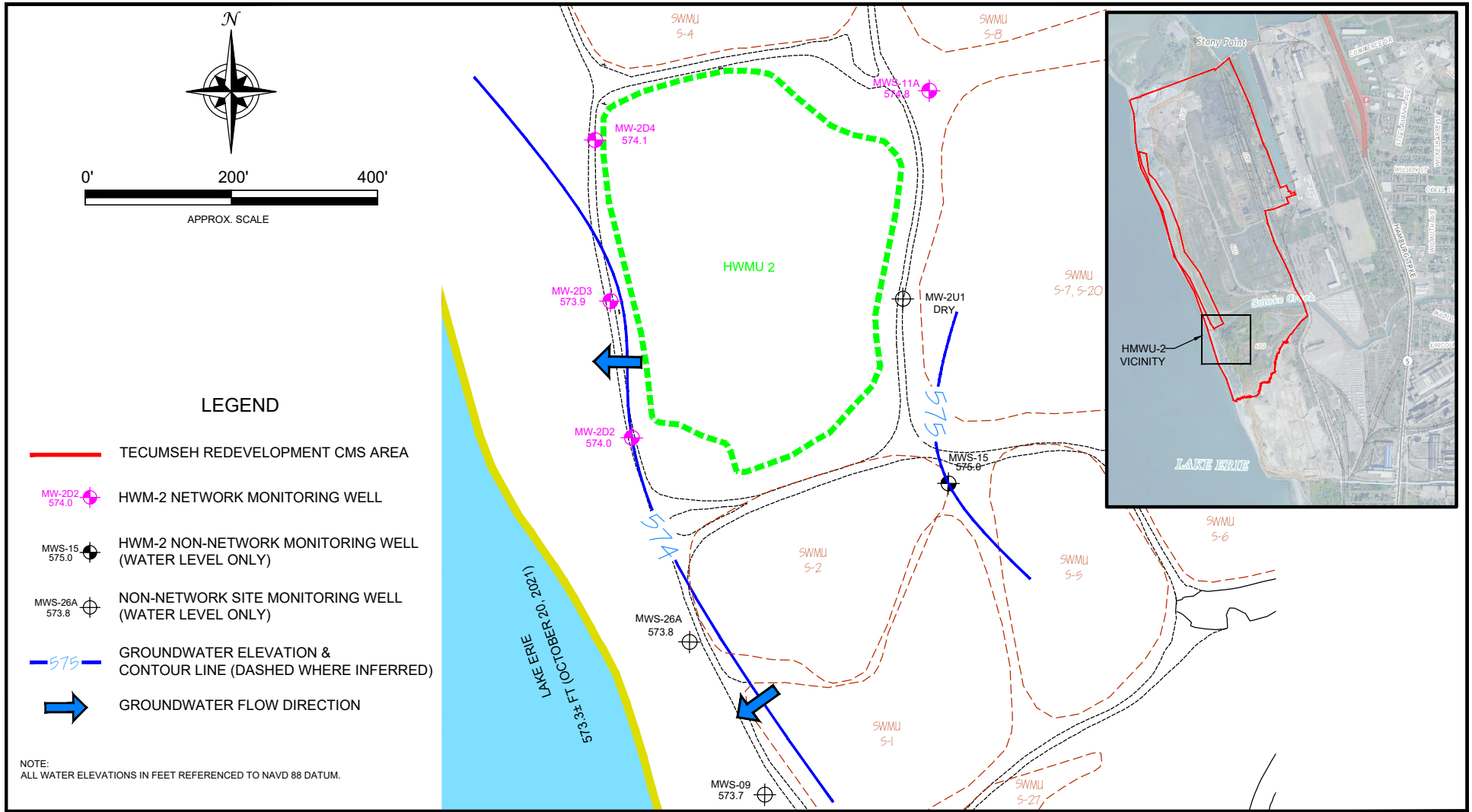
FORMER BETHLEHEM STEEL LACKAWANNA COKE DIVISION SITE
LACKAWANNA, NEW YORK

PREPARED FOR

TECUMSEH REDEVELOPMENT INC.

FIGURE 2

F:\CAD\TurnKey\Tecumseh Redevelopment\HWMU Groundwater Sampling\2021\Figure 3; HWMU-2 Shallow GW Isopotential Map - Oct.10, 2021.dwg, 1/3/2022 3:05:24 PM



TurnKey Environmental Restoration, LLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

HWMU-2 SHALLOW GROUNDWATER ISOPOTENTIAL MAP
October 20, 2021

HWMU-1 & HWMU-2 ANNUAL GROUNDWATER MONITORING PROGRAM

FORMER BETHLEHEM STEEL LACKAWANNA COKE DIVISION SITE
LACKAWANNA, NEW YORK

PREPARED FOR
TECUMSEH REDEVELOPMENT INC.

FIGURE 3

PROJECT NO.: 0071-020-240
DATE: DECEMBER 2020
DRAFTED BY: CMC

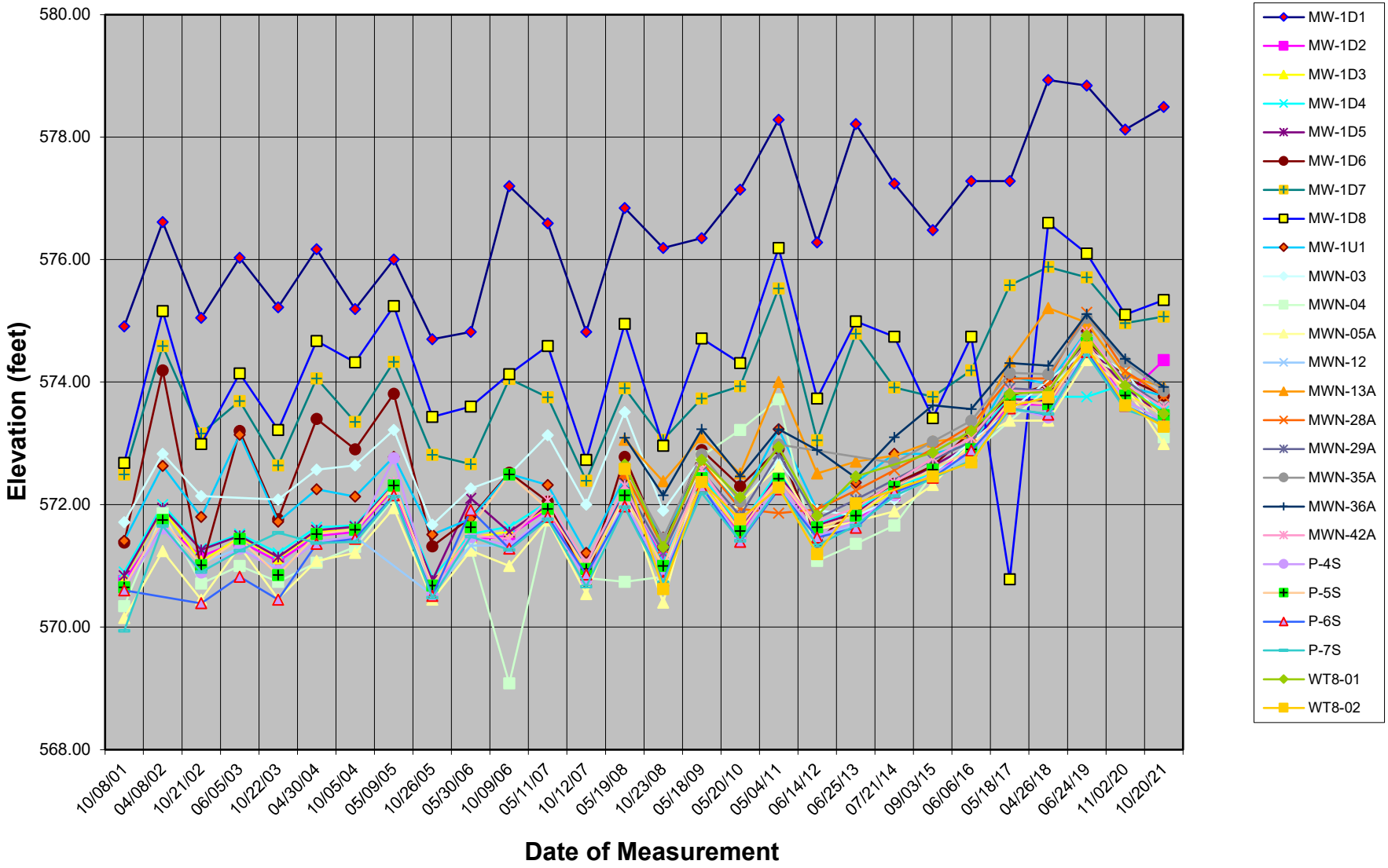
ATTACHMENT 1

HISTORICAL GROUNDWATER ELEVATION SUMMARY

ATTACHMENT 1

HISTORICAL GROUNDWATER ELEVATIONS
HWMU-1A & 1B

2001 to Present



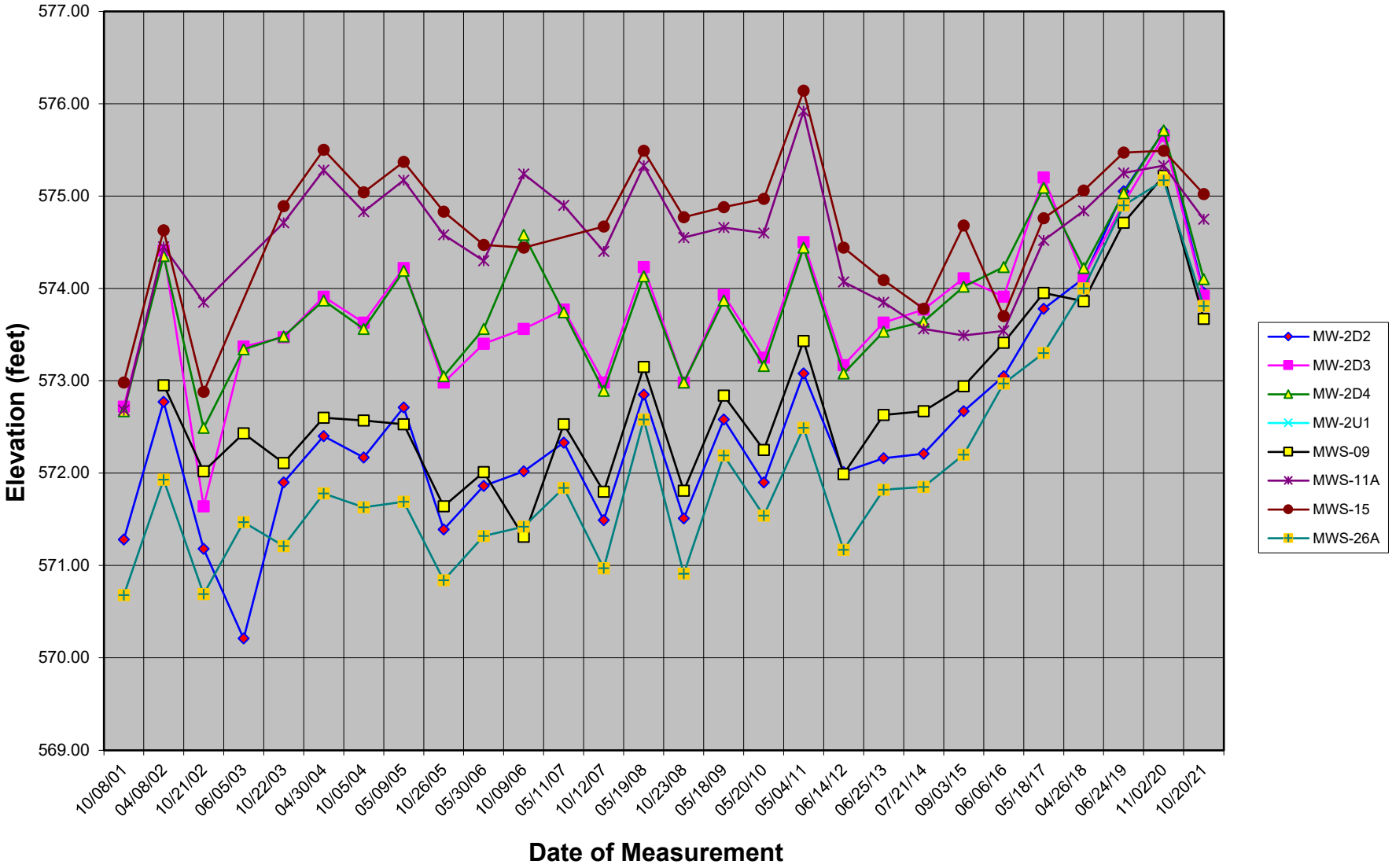
Note:

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

ATTACHMENT 1

HISTORICAL GROUNDWATER ELEVATIONS
HWMU-2

2001 to Present



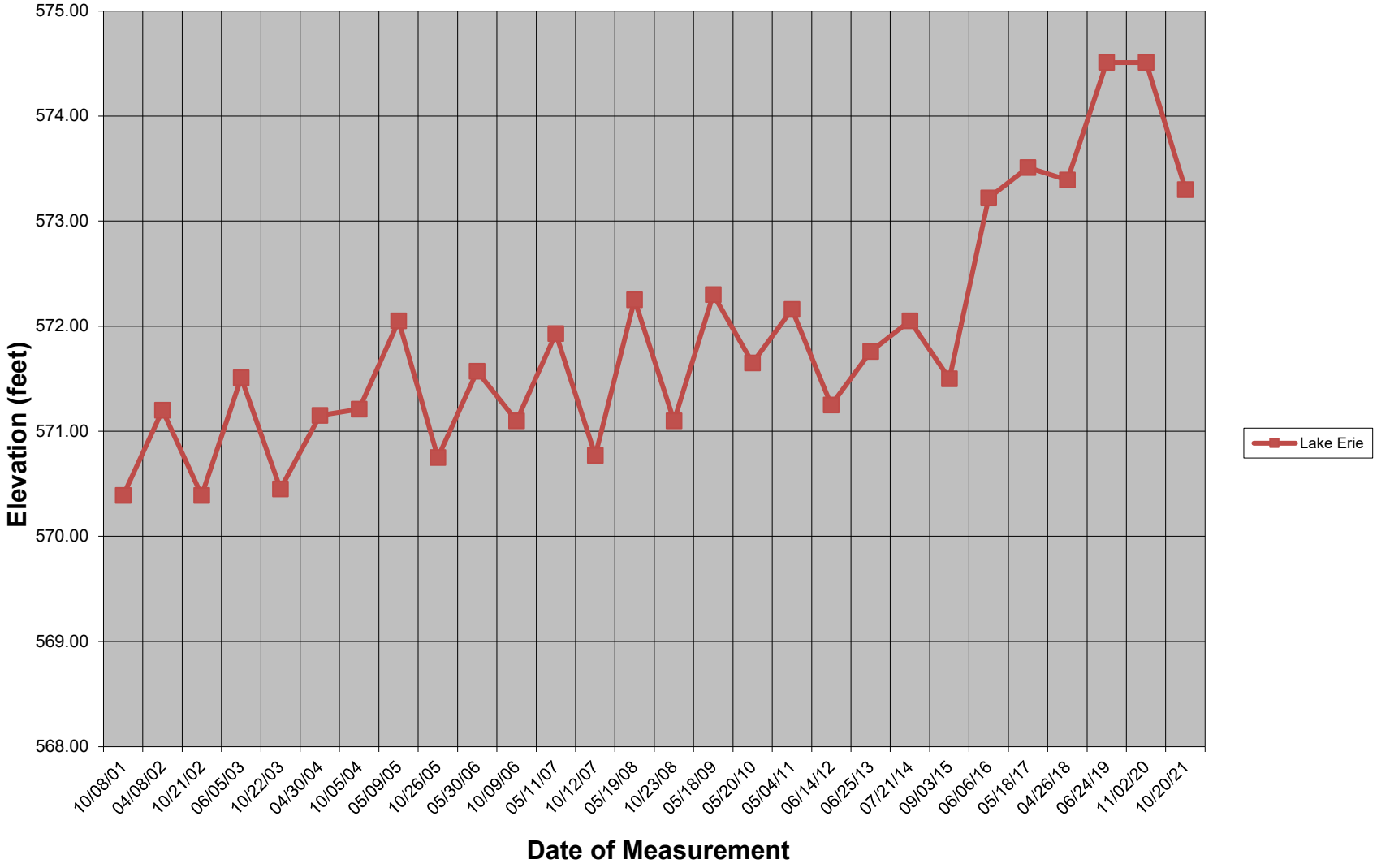
Note:

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

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 AND CALIBRATION LOGS

TURNKEY

TABLE 3

SUMMARY OF GROUNDWATER ELEVATIONS

10/20/21 (DATE)

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

Location	TOR Elevation [1] (fmsl)	DTP (if present) (fbTOR)	DTW (fbTOR)	Product Thickness (feet)	GWE [1] (fmsl)	Corrected GWE [2] (fmsl)
HWM-1A & 1B MONITORING WELLS (25)						
MW-1D1	610.59		32.10	0.00	610.59	610.59
MW-1D2	614.46		40.10	0.00	614.46	614.46
MW-1D3	612.69		39.25	0.00	612.69	612.69
MW-1D4	612.52		39.00	0.00	612.52	612.52
MW-1D5	613.49		40.05	0.00	613.49	613.49
MW-1D6	610.94		37.16	0.00	610.94	610.94
MW-1D7	611.26		36.19	0.00	611.26	611.26
MW-1D8	610.74		35.40	0.00	610.74	610.74
MW-1U1	613.18		39.41	0.00	613.18	613.18
MWN-03	611.96		39.60	0.00	611.96	611.96
MWN-04	623.45		50.35	0.00	623.45	623.45
MWN-05A	622.84		49.85	0.00	622.84	622.84
MWN-12	608.59		35.30	0.00	608.59	608.59
MWN-13A	607.32		33.40	0.00	607.32	607.32
MWN-28A	595.76		21.99	0.00	595.76	595.76
MWN-29A	596.19		22.60	0.00	596.19	596.19
MWN-35A	608.71		34.85	0.00	608.71	608.71
MWN-36A	598.42		24.50	0.00	598.42	598.42
MWN-42A	579.37		5.79	0.00	579.37	579.37
P-4S	610.85		37.50	0.00	610.85	610.85
P-5S	616.71		43.25	0.00	616.71	616.71
P-6S	618.92		45.60	0.00	618.92	618.92
P-7S	610.59		37.25	0.00	610.59	610.59
WT8-01	612.49		39.01	0.00	612.49	612.49
WT8-02	645.62		72.35	0.00	645.62	645.62
HWM-2 MONITORING WELLS (8)						
MW-2D2	632.11		58.65	0.00	632.11	632.11
MW-2D3	636.52		61.6	0.00	636.52	636.52
MW-2D4	630.44		55.50	0.00	630.44	630.44
MW-2U1	628.32	DRY	DRY	DRY	DRY	DRY
MWS-09	630.82	~~52.15~~	52.15	0.00	630.82	630.82
MWS-11A	639.56	~~65.11~~	65.11	0.00	639.56	639.56
MWS-15	627.09	~~52.41~~	52.41	0.00	627.09	627.09
MWS-26A	624.80	~~51.80~~	51.80	0.00	624.80	624.80
LAKE ERIE						
Lake Erie [3]	NA	NA	NA	NA		

Notes:

1. Top of Riser (TOR) elevation and Groundwater Elevation (GWE) is measured in feet; distance above mean sea level (fmsl).
2. Groundwater elevation (GWE) corrected based on the presence of free product (i.e., LNAPL), if applicable.
3. Source: NOAA Tides & Currents Web Page- Buffalo, NY Station ID 9063020
4. fbTOR = feet below top of riser or casing
5. fmsl = feet above mean sea level.
6. NM = not measured
7. NP = no product was present.

GROUNDWATER FIELD FORM

Project Name: HWM-1A & B Groundwater Monitoring Date: 10/2,12

Location: Tecumseh Redevelopment, Inc Project No.: 0071-013-240 Field Team: RLD

Well No.	MW-1D1	Diameter (inches):	4-inch	Sample Date / Time:	10/2/12
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):	32.10	One Well Volume (gal):	8.47	Purpose: ☐ Development ☑ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	44.95	Total Volume Purged (gal):		Purge Method: *Mini-Typhoon* Purge Rate:	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1252	0	Initial		11.98	17.1	3377	64	1.76	-88	clear
1255	1	32.7	.75	12.03	16.1	3436	18.4	1.40	-101	clear
1257	2	33.15	1	12.05	15.9	3443	9.36	1.20	-106	clear
1300	3	33.50	1.10	12.04	16.1	3452	7.19	1.50	-124	clear
1301	4	33.60	1.25	12.04	16.0	3452	5.41	1.64	-122	clear
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1305	S1	33.95	1.50	12.02	16.8	3466	4.52	1.26	-136	clear
1310	S2	34.20	2	12.01	17	3443	4.07	1.27	-136	clear

Well No.	MW-1D2	Diameter (inches):	4-inch	Sample Date / Time:	
Product Depth (fbTOR):		Water Column (ft):	9.395	DTW when sampled:	
DTW (static) (fbTOR):	40.105	One Well Volume (gal):	6.135	Purpose: ☐ Development ☑ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	49.5	Total Volume Purged (gal):		Purge Method: *Mini-Monsoon* Purge Rate:	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
0930	0	Initial	0	12.31	11.8	2248	28.4	malfunct.	-216	clean, sulfur-like odor
0933	1	41.2	1	12.31	11.6	2268	16.9	↓	-218	↓
0936	2	41.25	1.75	12.29	12.4	2244	13.6	↓	-218	
0938	3	41.27	2.5	12.28	12.3	2251	11.2		-214	
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
0940	S1	41.27	3	12.29	12.1	2257	11.7	↓	-216	clean, sulfur-like odor
0943	S2	41.27	3	12.28	12.3	2253	9.58	↓	-220	↓

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: HWM-1A & B Groundwater Monitoring Date: 10/22/21

Location: Tecumseh Redevelopment, Inc Project No.: 0071-013-240 Field Team: RLO / TM

Well No.	MW-1D3	Diameter (inches):	4-inch	Sample Date / Time:	
Product Depth (fbTOR):		Water Column (ft):	8.85	DTW when sampled:	
DTW (static) (fbTOR):	39.25	One Well Volume (gal):	5.779	Purpose: ☐ Development ☑ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	48.10	Total Volume Purged (gal):		Purge Method: *Mini-Monsoon* Purge Rate:	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1004	0	Initial	0	12.08	11.8	4093	139		-313	clean, sulfur-like odor
1007	1	39.35	1	12.06	12.5	3967	48		-317	
1009	2	39.36	2.5	12.10	12.7	3666	37.3		-310	
~~1012~~	~~3~~	~~39.37~~	~~4~~	~~12.25~~	~~12.7~~	~~2868~~	~~32~~		~~-284~~	
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1012 ~~1015~~	S1	39.37	4.5	12.25	12.7	2868	32		-284	
~~1015~~	S2	39.10	5	12.30	12.5	2486	20.8		-260	

Well No.	MW-1D4	Diameter (inches):	4-inch	Sample Date / Time:	
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):	39.00	One Well Volume (gal):		Purpose: ☐ Development ☑ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	46.39	Total Volume Purged (gal):		Purge Method: *Mini-Monsoon* Purge Rate:	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1031	0	Initial	0	12.23	12.2	2352	54.5		-266	clean, sulfur-like odor
1033	1	39	0.25	12.22	12.4	2334	9.01		-264	
1035	2	39	1	12.27	12.5	2376	9.66		-255	
1037	3	39	1.5	12.30	12.7	2428	3.91		-267	
~~1040~~	~~4~~	~~39~~	~~2~~							
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1040	S1	39	2	12.31	12.8	2439	2.69		-270	
	S2	39	2.25	12.31	12.8	2440	2.77		-257	

REMARKS: DO METER MALFUNCTION

Note: All 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: HWM-1A & B Groundwater Monitoring Date: 10/21/21

Location: Tecumseh Redevelopment, Inc Project No.: 0071-013-240 Field Team: RAD

Well No. MWN-12			Diameter (inches): 4-inch			Sample Date / Time: 10/21/21			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR): 35.30			One Well Volume (gal): 3.36			Purpose: ☐ Development ☑ Sample ☐ Purge & Sample			
Total Depth (fbTOR): 40.40			Total Volume Purged (gal):			Purge Method: *Mini-Typhoon* Purge Rate:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1159	0 Initial	—	12.39	16.9	4553	5.71	5.23	-94	Clear
	1 35.30	2.50	12.50	15.9	4746	2.45	5.67	-117	Clear
1205	2 35.30	4	12.48	15.9	4661	1.69	5.27	-126	Clear
1208	3	5	12.50	16.1	4542	1.36	4.85	-161	Clear
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:							3.06		
1211	S1	6.5	12.49	15.4	4178	1.35	~~4.85~~	-185	Clear
1214	S2	7.5	12.48	15.6	4096	0.41	~~6.69~~ 2.72	-199	Clear

Well No. ~~MWN-13A~~			Diameter (inches): ~~4~~			Sample Date / Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR): ~~37.58~~			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR):			Total Volume Purged (gal):			Purge Method: Purge Rate:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
~~0900~~	0 Initial	~~0~~				~~0.67~~			
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

REMARKS:

Note: All 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: HWM-1A & B Groundwater Monitoring Date: 10/22

Location: Tecumseh Redevelopment, Inc Project No.: 0071-013-240 Field Team: RLD / TM

Well No.	MW-1D8	Diameter (inches):	4-inch	Sample Date / Time:	
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):	35.40	One Well Volume (gal):	1.3	Purpose: ☐ Development ☑ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	43.55	Total Volume Purged (gal):		Purge Method: *Mini-Typhoon* Purge Rate:	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1039	0	Initial		10.68	15.6	2464	20.2	1.52	+23	Clear
1042	1	36.40		10.62	15.5	2367	4.37	1.10	+8	clear
1047	2	36.40		10.59	15.3	2355	3.12	1.07	-11	clear
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1049	S1	36.40	5	10.57	15.3	2380	1.15	1.48	-10	clear
	S2	36.40		10.58	15.2	2317	1.85	1.50	-8	clear

Well No.	MW-1U1	Diameter (inches):	4-inch	Sample Date / Time:	10/22
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):	39.45	One Well Volume (gal):	17.85	Purpose: ☐ Development ☑ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	66.5	Total Volume Purged (gal):		Purge Method: *Mini-Monsoon* Purge Rate:	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
0822	0	Initial	0	12.17	12.8	1996	15.5		-220	Clear
0825	1	39.45	0.5	12.19	12.5	1992	16.7	1.92	-237	clear
0829	2	39.45	.85	12.17	12.6	1996	14.7	1.84	-226	clear
0832	3	39.45	2.5	12.17	12.4	2002	9.98	1.33	-230	clear
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
0835	S1	39.45	3	12.15	12.6	2005	3.18	1.03	-243	clear
0838	S2	39.45	4	12.17	12.5	2000	2.36	0.78	-239	clear

REMARKS:

Note: All 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: HWM-1A & B Groundwater Monitoring Date: 10/21/21

Location: Tecumseh Redevelopment, Inc Project No.: 0071-013-240 Field Team: RKD

Well No.	MW-1D6	Diameter (inches):	2-inch	Sample Date / Time:	10/21
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):	37.16	One Well Volume (gal):	0.84	Purpose: ☐ Development ☑ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	42.15	Total Volume Purged (gal):		Purge Method: *Mini-Typhoon* Purge Rate:	

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		11.39	14.6	3601	18	1.75	-116	Clear
0856	1	Top of pump	.95	11.37	14.5	3360	19.2	1.54	-98	" "
0900	2	" "	1.15	11.39	14.6	3439	10.8	1.11	-82	" "
0901	3	" "	1.2~	11.41	14.5	3453	27	1.14	-154	" "
	4			/						
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
0903	S1	Top of pump	1.50	11.41	14.3	3496	23	1.34	-165	Clear
0908	S2	" "	2	11.41	14.3	3455	19.4	0.82	-101	Clear

Well No.	MW-1D7	Diameter (inches):	2-inch	Sample Date / Time:	10/21/21
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):	36.19	One Well Volume (gal):	1.57	Purpose: ☐ Development ☑ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	45.45	Total Volume Purged (gal):		Purge Method: *Mini-Typhoon* Purge Rate:	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
0933	0	Initial		8.76	14.8	4175	14.6	2.38	-9	clear
0933	1	36.40	.80	8.51	14.8	3752	16.3	2.40	-23	clear
0938	2	36.40	1.50	8.74	14.9	3601	13.5	2.43	-125	clear
	3	36.40	1.75	8.73	14.7	3472	6.53	2.29	-160	clear
	4									
	5									
	6									
	7									
	8									
	9									
0941	10	36.40								
Sample Information:										
0943	S1	Top of pump	2.50	8.54	14.7	3571	4.37	1.98	-193	clear
0941	S2	36.40	4.50	8.26	14.8	3614	3.68	1.79	-213	clear

REMARKS:

Note: All 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: HWM-2 Groundwater Monitoring Date: 10/22/21

Location: Tecumseh Redevelopment, Inc Project No.: 0071-017-240 Field Team: RED / TM

Well No.	MW-2D2	Diameter (inches):	4-inch	Sample Date / Time:	
Product Depth (fbTOR):		Water Column (ft):	6.55	DTW when sampled:	
DTW (static) (fbTOR):	58.65	One Well Volume (gal):	4.277	Purpose: ☐ Development ☑ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	65.20	Total Volume Purged (gal):		Purge Method: *Mini-Monsoon* Purge Rate:	

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	0	10.04	14.8	965	9.29		-127	clean, no odor
1131	1			9.94	15.1	955.1	3.52		-79	
1132	2	58.9	3.5	9.90	15.5	955	3.35		-62	
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1134	S1	59.05	4.5	9.93	15.8	954.6	3.2		-59	
1137	S2	59.10	5	9.91	15.7	957.5	3.41		-56	

Well No.	MW-2D3	Diameter (inches):	4-inch	Sample Date / Time:	10/22/21
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):	61.6	One Well Volume (gal):		Purpose: ☐ Development ☑ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	67.2	Total Volume Purged (gal):		Purge Method: *Mini-Monsoon* Purge Rate:	

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~~	~~0~~	~~10.04~~	~~14.8~~	~~965~~	~~9.29~~		~~-127~~	~~clean, no odor~~
~~1131~~	~~1~~		~~2~~	~~9.94~~	~~15.1~~	~~955.1~~	~~3.52~~		~~-79~~	
~~1132~~	~~2~~	~~5~~	~~3.5~~							
1151	0	Initial	0	11.44	14	1189	103		-240	clean except ants
1154	1	top of pump	1	11.48	15	1217	27.8		-230	in water, sulfur odor
1156	2		1.5	11.45	15.2	1201	15.6		-241	
1158	3		2	11.43	15.2	1193	9.46		-234	
	4									
	5									
	6									
	7									
Sample Information:										
1200	S1		2.5	11.40	15.2	1185	4.44		-217	
1202	S2		3.5	11.41	15.2	1191	4.06		-219	

REMARKS: DO meter malfunction

Note: All 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: HWM-2 Groundwater Monitoring | Date: 10/22/21
Location: Tecumseh Redevelopment, Inc | Project No.: 0071-017-240 | Field Team: RLD / TM

Well No.	MW-2D4	Diameter (inches):	4-inch	Sample Date / Time:	
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):	55.5	One Well Volume (gal):		Purpose: ☐ Development ☑ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	62.60	Total Volume Purged (gal):		Purge Method: *Mini-Monsoon* Purge Rate:	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1219	0	Initial	0	8.58	14.4	961.2	16.5		-109	clean no odors
1221	1	55.8	0.5	8.38	14.5	957.2	10.9		-58	
1222	2	55.9	1	8.37	14.6	936.3	6.44		-37	
1224	3	55.9	1.25	8.36	14.7	931.6	4.67		-28	
	4	~~56.1~~								
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1225	S1	56.1	1.75	8.36	14.8	928	4.84		-19	
1228	S2	56.1	1.75	8.35	14.9	926	3.62		-19	

Well No.	MWS-11A	Diameter (inches):	4"	Sample Date / Time:	10/22/21
Product Depth (fbTOR):	—	Water Column (ft):	8.86	DTW when sampled:	
DTW (static) (fbTOR):	65.1	One Well Volume (gal):	5.668	Purpose: ☐ Development ☑ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	73.78	Total Volume Purged (gal):		Purge Method: *Mini-Monsoon* Purge Rate:	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1246	0	Initial	0	~~12.15~~ 12.15	14.2	2124	24.7		-226	clean no odor
1248	1	65.1	0.25	12.18	14	2178	25.6		-228	
1250	2	65.12	0.5	12.17	14.3	2178	28.8		-230	
1252	3	65.12	0.75	12.17	14.4	2179	15.3		-231	
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1252	S1	65.12	1	12.17	14.6	2175	14.8		-227	
1257	S2	65.12	1	12.17	14.7	2174	9.50		-229	

REMARKS: Do melon MAL Function

Note: All 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:

ATTACHMENT 2B

ANALYTICAL DATA PACKAGE

TURNKEY

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-191356-1
Client Project/Site: Tecumseh - HWMU Groundwater

For:
Turnkey Environmental Restoration, LLC
2558 Hamburg Turnpike
Suite 300
Lackawanna, New York 14218

Attn: Mr. Brock Greene

Authorized for release by:
11/3/2021 12:13:01 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
Brian.Fischer@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-191356-1
Project/Site: Tecumseh - HWMU Groundwater

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-191356-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-191356-1

Comments
No additional comments.

Receipt
The samples were received on 10/22/2021 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4º C and 2.8º C.

Receipt Exceptions

COC listed a TRIP BLANK point with a noration of "HOLD" in the comment field. However, the lab did not receive a TRIP BLANK vial set with the sample set. TRIP BLANK was not logged in.

GC/MS VOA
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-1D1 (480-191356-8), MW-1D6 (480-191356-9), MW-1D7 (480-191356-10) and MW-1D8 (480-191356-11). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW1U1 (480-191356-12). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-602184 recovered outside control limits for the following analytes: Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: MW-1D1 (480-191356-8), MW-1D6 (480-191356-9), MW-1D7 (480-191356-10), MW-1D8 (480-191356-11), MW1U1 (480-191356-12) and MWN-12 (480-191356-13).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-602184 recovered above the upper control limit for 2-Butanone (MEK) and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-1D1 (480-191356-8), MW-1D6 (480-191356-9), MW-1D7 (480-191356-10), MW-1D8 (480-191356-11), MW1U1 (480-191356-12) and MWN-12 (480-191356-13).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW1U1 (480-191356-12). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-2D2 (480-191356-4), MW-2D3 (480-191356-5), MW-2D4 (480-191356-6), MWS11A (480-191356-7), (480-191356-C-5 MS) and (480-191356-C-5 MSD). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-602108 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8270D: The following sample was diluted due to the nature of the sample matrix: MW-1D3 (480-191356-2). Elevated reporting limits (RLs) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-1D2 (480-191356-1), MW-1D3 (480-191356-2), MW-2D3 (480-191356-5) and MW-1D7 (480-191356-10). These results have been reported and qualified.

Job ID: 480-191356-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 8270D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-601930 and analytical batch 480-602076 recovered outside control limits for the following surrogate: 2,4,6-Tribromophenol. This surrogate is biased high and no detections were found for associated analytes in the following affected samples: MW-1D4 (480-191356-3), MW-2D2 (480-191356-4), MW-2D3 (480-191356-5), MW-2D4 (480-191356-6), MW-1D1 (480-191356-8), MW-1D6 (480-191356-9), MW-1D7 (480-191356-10), MW-1D8 (480-191356-11), MW1U1 (480-191356-12) and MWN-12 (480-191356-13). Therefore, the data has been reported.

Method 8270D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-601930 and analytical batch 480-602076 recovered outside control limits for the following surrogate: 2,4,6-Tribromophenol. This surrogate is biased high and detections were found for associated analytes Phenol and 4-Methylphenol in the following affected samples: MW-1D2 (480-191356-1), MW-1D3 (480-191356-2) and MWS11A (480-191356-7). Spike recoveries were within control limits. Therefore, the data has been reported: MW-1D2 (480-191356-1), MW-1D3 (480-191356-2) and MWS11A (480-191356-7).

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 480-602108 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol (Surr). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-1D2 (480-191356-1), MW-2D3 (480-191356-5) and MWS11A (480-191356-7). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D2 — Lab Sample ID: 480-191356-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	17		1.0	0.75	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	9.0		1.0	0.77	ug/L	1		8260C	Total/NA
4-Isopropyltoluene	0.56	J	1.0	0.31	ug/L	1		8260C	Total/NA
Benzene	3.0		1.0	0.41	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	6.6		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	4.0		1.0	0.76	ug/L	1		8260C	Total/NA
Toluene	3.9		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	11		2.0	0.66	ug/L	1		8260C	Total/NA
2,4-Dimethylphenol	0.65	J	5.0	0.50	ug/L	1		8270D	Total/NA
2-Methylphenol	0.71	J	5.0	0.40	ug/L	1		8270D	Total/NA
4-Methylphenol	2.3	J	10	0.36	ug/L	1		8270D	Total/NA
Acenaphthene	1.7	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	22		5.0	0.38	ug/L	1		8270D	Total/NA
Acetophenone	0.94	J	5.0	0.54	ug/L	1		8270D	Total/NA
Biphenyl	7.9		5.0	0.65	ug/L	1		8270D	Total/NA
Butyl benzyl phthalate	1.1	J B	5.0	1.0	ug/L	1		8270D	Total/NA
Carbazole	3.8	J	5.0	0.30	ug/L	1		8270D	Total/NA
Dibenzofuran	11		10	0.51	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	1.2	J	5.0	0.47	ug/L	1		8270D	Total/NA
Fluoranthene	0.52	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	6.6		5.0	0.36	ug/L	1		8270D	Total/NA
Phenanthrene	3.4	J	5.0	0.44	ug/L	1		8270D	Total/NA
Phenol	6.9		5.0	0.39	ug/L	1		8270D	Total/NA
2-Methylnaphthalene - DL	72		50	6.0	ug/L	10		8270D	Total/NA
Naphthalene - DL	180		50	7.6	ug/L	10		8270D	Total/NA

Client Sample ID: MW-1D3 — Lab Sample ID: 480-191356-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	0.85	J	1.0	0.77	ug/L	1		8260C	Total/NA
Benzene	7.4		1.0	0.41	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	2.5		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	3.2		1.0	0.76	ug/L	1		8260C	Total/NA
Toluene	3.2		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	5.7		2.0	0.66	ug/L	1		8260C	Total/NA
2-Methylphenol	2.4	J	25	2.0	ug/L	5		8270D	Total/NA
4-Methylphenol	7.5	J	50	1.8	ug/L	5		8270D	Total/NA
Carbazole	4.3	J	25	1.5	ug/L	5		8270D	Total/NA
Fluorene	2.1	J	25	1.8	ug/L	5		8270D	Total/NA
Naphthalene	12	J	25	3.8	ug/L	5		8270D	Total/NA
Phenanthrene	2.6	J	25	2.2	ug/L	5		8270D	Total/NA
Phenol	34		25	2.0	ug/L	5		8270D	Total/NA

Client Sample ID: MW-1D4 — Lab Sample ID: 480-191356-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	1.3		1.0	0.77	ug/L	1		8260C	Total/NA
Benzene	10		1.0	0.41	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	3.0		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	3.0		1.0	0.76	ug/L	1		8260C	Total/NA
Toluene	3.8		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	6.0		2.0	0.66	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample ID: MW-1D4 (Continued)
Lab Sample ID: 480-191356-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-Dimethylphenol	1.1	J	5.0	0.50	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	2.4	J	5.0	0.60	ug/L	1		8270D	Total/NA
2-Methylphenol	1.2	J	5.0	0.40	ug/L	1		8270D	Total/NA
4-Methylphenol	3.4	J	10	0.36	ug/L	1		8270D	Total/NA
Acenaphthene	1.3	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	2.0	J	5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	0.70	J	5.0	0.28	ug/L	1		8270D	Total/NA
Butyl benzyl phthalate	1.1	J B	5.0	1.0	ug/L	1		8270D	Total/NA
Carbazole	3.9	J	5.0	0.30	ug/L	1		8270D	Total/NA
Dibenzofuran	1.8	J	10	0.51	ug/L	1		8270D	Total/NA
Fluoranthene	0.81	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	3.0	J	5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	10		5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	4.3	J	5.0	0.44	ug/L	1		8270D	Total/NA
Phenol	0.42	J	5.0	0.39	ug/L	1		8270D	Total/NA
Pyrene	0.40	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: MW-2D2
Lab Sample ID: 480-191356-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Butyl benzyl phthalate	1.1	J B	5.0	1.0	ug/L	1		8270D	Total/NA

Client Sample ID: MW-2D3
Lab Sample ID: 480-191356-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	9.8		5.0	2.1	ug/L	5		8260C	Total/NA
m-Xylene & p-Xylene	9.1	J F1	10	3.3	ug/L	5		8260C	Total/NA
o-Xylene	5.6	F1	5.0	3.8	ug/L	5		8260C	Total/NA
Toluene	6.0	F1	5.0	2.6	ug/L	5		8260C	Total/NA
Xylenes, Total	15	F1	10	3.3	ug/L	5		8260C	Total/NA
2,4-Dimethylphenol	1.9	J	5.0	0.50	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	12		5.0	0.60	ug/L	1		8270D	Total/NA
2-Methylphenol	1.4	J	5.0	0.40	ug/L	1		8270D	Total/NA
4-Methylphenol	1.9	J	10	0.36	ug/L	1		8270D	Total/NA
Acenaphthene	3.7	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	14		5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	2.4	J	5.0	0.28	ug/L	1		8270D	Total/NA
Biphenyl	2.7	J	5.0	0.65	ug/L	1		8270D	Total/NA
Carbazole	14		5.0	0.30	ug/L	1		8270D	Total/NA
Dibenzofuran	12		10	0.51	ug/L	1		8270D	Total/NA
Fluoranthene	2.5	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	19		5.0	0.36	ug/L	1		8270D	Total/NA
Phenanthrene	26		5.0	0.44	ug/L	1		8270D	Total/NA
Phenol	0.53	J	5.0	0.39	ug/L	1		8270D	Total/NA
Pyrene	1.3	J	5.0	0.34	ug/L	1		8270D	Total/NA
Naphthalene - DL	64		25	3.8	ug/L	5		8270D	Total/NA

Client Sample ID: MW-2D4
Lab Sample ID: 480-191356-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Butyl benzyl phthalate	1.3	J B	5.0	1.0	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MWS11A — Lab Sample ID: 480-191356-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3.0		2.0	1.5	ug/L	2		8260C	Total/NA
1,3,5-Trimethylbenzene	1.6	J	2.0	1.5	ug/L	2		8260C	Total/NA
Benzene	2.2		2.0	0.82	ug/L	2		8260C	Total/NA
m-Xylene & p-Xylene	4.0		4.0	1.3	ug/L	2		8260C	Total/NA
o-Xylene	1.9	J	2.0	1.5	ug/L	2		8260C	Total/NA
Toluene	1.8	J	2.0	1.0	ug/L	2		8260C	Total/NA
Xylenes, Total	5.9		4.0	1.3	ug/L	2		8260C	Total/NA
2,4-Dimethylphenol	4.4	J	5.0	0.50	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	19		5.0	0.60	ug/L	1		8270D	Total/NA
2-Methylphenol	5.6		5.0	0.40	ug/L	1		8270D	Total/NA
4-Methylphenol	10		10	0.36	ug/L	1		8270D	Total/NA
Acenaphthene	2.7	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	12		5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	1.0	J	5.0	0.28	ug/L	1		8270D	Total/NA
Biphenyl	3.2	J	5.0	0.65	ug/L	1		8270D	Total/NA
Butyl benzyl phthalate	1.2	J B	5.0	1.0	ug/L	1		8270D	Total/NA
Carbazole	9.4		5.0	0.30	ug/L	1		8270D	Total/NA
Dibenzofuran	9.8	J	10	0.51	ug/L	1		8270D	Total/NA
Fluoranthene	3.4	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	9.6		5.0	0.36	ug/L	1		8270D	Total/NA
Phenanthrene	11		5.0	0.44	ug/L	1		8270D	Total/NA
Phenol	1.1	J	5.0	0.39	ug/L	1		8270D	Total/NA
Pyrene	2.1	J	5.0	0.34	ug/L	1		8270D	Total/NA
Naphthalene - DL	99		25	3.8	ug/L	5		8270D	Total/NA

Client Sample ID: MW-1D1 — Lab Sample ID: 480-191356-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	2.2		2.0	1.5	ug/L	2		8260C	Total/NA
Toluene	1.1	J	2.0	1.0	ug/L	2		8260C	Total/NA
Xylenes, Total	2.2	J	4.0	1.3	ug/L	2		8260C	Total/NA
4-Methylphenol	0.37	J	10	0.36	ug/L	1		8270D	Total/NA
Bis(2-ethylhexyl) phthalate	23		5.0	2.2	ug/L	1		8270D	Total/NA
Butyl benzyl phthalate	1.1	J B	5.0	1.0	ug/L	1		8270D	Total/NA
Naphthalene	2.3	J	5.0	0.76	ug/L	1		8270D	Total/NA
Phenol	0.48	J	5.0	0.39	ug/L	1		8270D	Total/NA

Client Sample ID: MW-1D6 — Lab Sample ID: 480-191356-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-Dimethylphenol	0.77	J	5.0	0.50	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	0.83	J	5.0	0.60	ug/L	1		8270D	Total/NA
2-Methylphenol	0.85	J	5.0	0.40	ug/L	1		8270D	Total/NA
4-Methylphenol	1.5	J	10	0.36	ug/L	1		8270D	Total/NA
Caprolactam	2.2	J	5.0	2.2	ug/L	1		8270D	Total/NA
Carbazole	2.5	J	5.0	0.30	ug/L	1		8270D	Total/NA
Dibenzofuran	0.96	J	10	0.51	ug/L	1		8270D	Total/NA
Fluoranthene	3.3	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	0.66	J	5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	7.2		5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	8.7		5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	1.5	J	5.0	0.34	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D7 — Lab Sample ID: 480-191356-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.6		5.0	2.1	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	18		5.0	4.1	ug/L	5		8260C	Total/NA
trans-1,2-Dichloroethene	18		5.0	4.5	ug/L	5		8260C	Total/NA
Acenaphthene	0.60	J	5.0	0.41	ug/L	1		8270D	Total/NA
Butyl benzyl phthalate	1.3	J B	5.0	1.0	ug/L	1		8270D	Total/NA
Fluoranthene	0.52	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	4.4	J	5.0	0.36	ug/L	1		8270D	Total/NA

Client Sample ID: MW-1D8 — Lab Sample ID: 480-191356-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	4.6		2.0	1.5	ug/L	2		8260C	Total/NA
1,3,5-Trimethylbenzene	4.6		2.0	1.5	ug/L	2		8260C	Total/NA
Benzene	1.8	J	2.0	0.82	ug/L	2		8260C	Total/NA
m,p-Xylene	6.8		4.0	1.3	ug/L	2		8260C	Total/NA
o-Xylene	5.3		2.0	1.5	ug/L	2		8260C	Total/NA
Styrene	2.6		2.0	1.5	ug/L	2		8260C	Total/NA
Toluene	4.8		2.0	1.0	ug/L	2		8260C	Total/NA
Xylenes, Total	12		4.0	1.3	ug/L	2		8260C	Total/NA
2-Methylnaphthalene	5.4		5.0	0.60	ug/L	1		8270D	Total/NA
4-Methylphenol	0.47	J	10	0.36	ug/L	1		8270D	Total/NA
Acenaphthene	0.49	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	3.8	J	5.0	0.38	ug/L	1		8270D	Total/NA
Acetophenone	1.2	J	5.0	0.54	ug/L	1		8270D	Total/NA
Biphenyl	0.77	J	5.0	0.65	ug/L	1		8270D	Total/NA
Butyl benzyl phthalate	1.1	J B	5.0	1.0	ug/L	1		8270D	Total/NA
Carbazole	0.80	J	5.0	0.30	ug/L	1		8270D	Total/NA
Dibenzofuran	0.97	J	10	0.51	ug/L	1		8270D	Total/NA
Fluorene	1.1	J	5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	26		5.0	0.76	ug/L	1		8270D	Total/NA

Client Sample ID: MW1U1 — Lab Sample ID: 480-191356-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	1.5	J	2.0	1.5	ug/L	2		8260C	Total/NA
m,p-Xylene	14		4.0	1.3	ug/L	2		8260C	Total/NA
o-Xylene	9.3		2.0	1.5	ug/L	2		8260C	Total/NA
Toluene	29		2.0	1.0	ug/L	2		8260C	Total/NA
Xylenes, Total	23		4.0	1.3	ug/L	2		8260C	Total/NA
Benzene - DL	280		5.0	2.1	ug/L	5		8260C	Total/NA
2,4-Dimethylphenol	3.4	J	5.0	0.50	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	2.8	J	5.0	0.60	ug/L	1		8270D	Total/NA
2-Methylphenol	5.2		5.0	0.40	ug/L	1		8270D	Total/NA
4-Methylphenol	9.9	J	10	0.36	ug/L	1		8270D	Total/NA
Acenaphthene	2.2	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	2.1	J	5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	0.95	J	5.0	0.28	ug/L	1		8270D	Total/NA
Biphenyl	0.74	J	5.0	0.65	ug/L	1		8270D	Total/NA
Carbazole	5.5		5.0	0.30	ug/L	1		8270D	Total/NA
Dibenzofuran	2.5	J	10	0.51	ug/L	1		8270D	Total/NA
Fluoranthene	1.6	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	4.2	J	5.0	0.36	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW1U1 (Continued)
Lab Sample ID: 480-191356-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	53		5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	6.6		5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	1.1	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: MWN-12
Lab Sample ID: 480-191356-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.0		1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	0.68	J	1.0	0.51	ug/L	1		8260C	Total/NA
2,4-Dimethylphenol	0.82	J	5.0	0.50	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	6.6		5.0	0.60	ug/L	1		8270D	Total/NA
2-Methylphenol	0.75	J	5.0	0.40	ug/L	1		8270D	Total/NA
4-Methylphenol	2.2	J	10	0.36	ug/L	1		8270D	Total/NA
Acenaphthene	2.9	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	3.2	J	5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	2.3	J	5.0	0.28	ug/L	1		8270D	Total/NA
Biphenyl	1.7	J	5.0	0.65	ug/L	1		8270D	Total/NA
Butyl benzyl phthalate	1.1	J B	5.0	1.0	ug/L	1		8270D	Total/NA
Carbazole	7.2		5.0	0.30	ug/L	1		8270D	Total/NA
Dibenzofuran	6.9	J	10	0.51	ug/L	1		8270D	Total/NA
Fluoranthene	4.6	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	10		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	34		5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	18		5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	3.0	J	5.0	0.34	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1D2

Date Collected: 10/22/21 09:40
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**17**		1.0	0.75	ug/L			10/29/21 01:39	1
1,3,5-Trimethylbenzene	**9.0**		1.0	0.77	ug/L			10/29/21 01:39	1
4-Isopropyltoluene	**0.56**	**J**	1.0	0.31	ug/L			10/29/21 01:39	1
Benzene	**3.0**		1.0	0.41	ug/L			10/29/21 01:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/29/21 01:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/29/21 01:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/29/21 01:39	1
m-Xylene & p-Xylene	**6.6**		2.0	0.66	ug/L			10/29/21 01:39	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/29/21 01:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/29/21 01:39	1
o-Xylene	**4.0**		1.0	0.76	ug/L			10/29/21 01:39	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/29/21 01:39	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/29/21 01:39	1
Toluene	**3.9**		1.0	0.51	ug/L			10/29/21 01:39	1
Xylenes, Total	**11**		2.0	0.66	ug/L			10/29/21 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/29/21 01:39*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/29/21 01:39*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/29/21 01:39*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/29/21 01:39*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 07:59	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 07:59	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 07:59	1
2,4-Dimethylphenol	**0.65**	**J**	5.0	0.50	ug/L		10/25/21 14:51	10/27/21 07:59	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 07:59	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 07:59	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 07:59	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 07:59	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 07:59	1
2-Methylphenol	**0.71**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 07:59	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 07:59	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 07:59	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 07:59	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 07:59	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 07:59	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 07:59	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 07:59	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 07:59	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 07:59	1
4-Methylphenol	**2.3**	**J**	10	0.36	ug/L		10/25/21 14:51	10/27/21 07:59	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 07:59	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 07:59	1
Acenaphthene	**1.7**	**J**	5.0	0.41	ug/L		10/25/21 14:51	10/27/21 07:59	1
Acenaphthylene	**22**		5.0	0.38	ug/L		10/25/21 14:51	10/27/21 07:59	1
Acetophenone	**0.94**	**J**	5.0	0.54	ug/L		10/25/21 14:51	10/27/21 07:59	1
Anthracene	ND		5.0	0.28	ug/L		10/25/21 14:51	10/27/21 07:59	1

Client Sample ID: MW-1D2
Date Collected: 10/22/21 09:40
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 07:59	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 07:59	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 07:59	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 07:59	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 07:59	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 07:59	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 07:59	1
Biphenyl	**7.9**		5.0	0.65	ug/L		10/25/21 14:51	10/27/21 07:59	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 07:59	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 07:59	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 07:59	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 07:59	1
Butyl benzyl phthalate	**1.1**	**J B**	5.0	1.0	ug/L		10/25/21 14:51	10/27/21 07:59	1
Caprolactam	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 07:59	1
Carbazole	**3.8**	**J**	5.0	0.30	ug/L		10/25/21 14:51	10/27/21 07:59	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 07:59	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 07:59	1
Dibenzofuran	**11**		10	0.51	ug/L		10/25/21 14:51	10/27/21 07:59	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 07:59	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 07:59	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 07:59	1
Di-n-octyl phthalate	**1.2**	**J**	5.0	0.47	ug/L		10/25/21 14:51	10/27/21 07:59	1
Fluoranthene	**0.52**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 07:59	1
Fluorene	**6.6**		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 07:59	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 07:59	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 07:59	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 07:59	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 07:59	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 07:59	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 07:59	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 07:59	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 07:59	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 07:59	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 07:59	1
Phenanthrene	**3.4**	**J**	5.0	0.44	ug/L		10/25/21 14:51	10/27/21 07:59	1
Phenol	**6.9**		5.0	0.39	ug/L		10/25/21 14:51	10/27/21 07:59	1
Pyrene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*129*	*S1+*	*41 - 120*	*10/25/21 14:51*	*10/27/21 07:59*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*10/25/21 14:51*	*10/27/21 07:59*	*1*
2-Fluorophenol (Surr)	*56*		*35 - 120*	*10/25/21 14:51*	*10/27/21 07:59*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*	*10/25/21 14:51*	*10/27/21 07:59*	*1*
Phenol-d5 (Surr)	*44*		*22 - 120*	*10/25/21 14:51*	*10/27/21 07:59*	*1*
p-Terphenyl-d14 (Surr)	*101*		*60 - 148*	*10/25/21 14:51*	*10/27/21 07:59*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**72**		50	6.0	ug/L		10/25/21 14:51	10/29/21 23:46	10
Naphthalene	**180**		50	7.6	ug/L		10/25/21 14:51	10/29/21 23:46	10

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-191356-1
Project/Site: Tecumseh - HWMU Groundwater

Client Sample ID: MW-1D2
Lab Sample ID: 480-191356-1
Date Collected: 10/22/21 09:40
Matrix: Water
Date Received: 10/22/21 15:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		41 - 120	10/25/21 14:51	10/29/21 23:46	10
2-Fluorobiphenyl	83		48 - 120	10/25/21 14:51	10/29/21 23:46	10
2-Fluorophenol (Surr)	50		35 - 120	10/25/21 14:51	10/29/21 23:46	10
Nitrobenzene-d5 (Surr)	72		46 - 120	10/25/21 14:51	10/29/21 23:46	10
Phenol-d5 (Surr)	36		22 - 120	10/25/21 14:51	10/29/21 23:46	10
p-Terphenyl-d14 (Surr)	95		60 - 148	10/25/21 14:51	10/29/21 23:46	10

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-191356-1
Project/Site: Tecumseh - HWMU Groundwater

Client Sample ID: MW-1D3
Date Collected: 10/22/21 10:12
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/29/21 02:01	1
1,3,5-Trimethylbenzene	**0.85**	**J**	1.0	0.77	ug/L			10/29/21 02:01	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/29/21 02:01	1
Benzene	**7.4**		1.0	0.41	ug/L			10/29/21 02:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/29/21 02:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/29/21 02:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/29/21 02:01	1
m-Xylene & p-Xylene	**2.5**		2.0	0.66	ug/L			10/29/21 02:01	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/29/21 02:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/29/21 02:01	1
o-Xylene	**3.2**		1.0	0.76	ug/L			10/29/21 02:01	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/29/21 02:01	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/29/21 02:01	1
Toluene	**3.2**		1.0	0.51	ug/L			10/29/21 02:01	1
Xylenes, Total	**5.7**		2.0	0.66	ug/L			10/29/21 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/29/21 02:01*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/29/21 02:01*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/29/21 02:01*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/29/21 02:01*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		10/25/21 14:51	10/27/21 08:26	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		10/25/21 14:51	10/27/21 08:26	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		10/25/21 14:51	10/27/21 08:26	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		10/25/21 14:51	10/27/21 08:26	5
2,4-Dinitrophenol	ND		50	11	ug/L		10/25/21 14:51	10/27/21 08:26	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		10/25/21 14:51	10/27/21 08:26	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		10/25/21 14:51	10/27/21 08:26	5
2-Chloronaphthalene	ND		25	2.3	ug/L		10/25/21 14:51	10/27/21 08:26	5
2-Chlorophenol	ND		25	2.7	ug/L		10/25/21 14:51	10/27/21 08:26	5
2-Methylnaphthalene	ND		25	3.0	ug/L		10/25/21 14:51	10/27/21 08:26	5
2-Methylphenol	**2.4**	**J**	25	2.0	ug/L		10/25/21 14:51	10/27/21 08:26	5
2-Nitroaniline	ND		50	2.1	ug/L		10/25/21 14:51	10/27/21 08:26	5
2-Nitrophenol	ND		25	2.4	ug/L		10/25/21 14:51	10/27/21 08:26	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		10/25/21 14:51	10/27/21 08:26	5
3-Nitroaniline	ND		50	2.4	ug/L		10/25/21 14:51	10/27/21 08:26	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		10/25/21 14:51	10/27/21 08:26	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		10/25/21 14:51	10/27/21 08:26	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		10/25/21 14:51	10/27/21 08:26	5
4-Chloroaniline	ND		25	3.0	ug/L		10/25/21 14:51	10/27/21 08:26	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		10/25/21 14:51	10/27/21 08:26	5
4-Methylphenol	**7.5**	**J**	50	1.8	ug/L		10/25/21 14:51	10/27/21 08:26	5
4-Nitroaniline	ND		50	1.3	ug/L		10/25/21 14:51	10/27/21 08:26	5
4-Nitrophenol	ND		50	7.6	ug/L		10/25/21 14:51	10/27/21 08:26	5
Acenaphthene	ND		25	2.1	ug/L		10/25/21 14:51	10/27/21 08:26	5
Acenaphthylene	ND		25	1.9	ug/L		10/25/21 14:51	10/27/21 08:26	5
Acetophenone	ND		25	2.7	ug/L		10/25/21 14:51	10/27/21 08:26	5

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D3
Date Collected: 10/22/21 10:12
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		25	1.4	ug/L		10/25/21 14:51	10/27/21 08:26	5
Atrazine	ND		25	2.3	ug/L		10/25/21 14:51	10/27/21 08:26	5
Benzaldehyde	ND		25	1.3	ug/L		10/25/21 14:51	10/27/21 08:26	5
Benzo[a]anthracene	ND		25	1.8	ug/L		10/25/21 14:51	10/27/21 08:26	5
Benzo[a]pyrene	ND		25	2.4	ug/L		10/25/21 14:51	10/27/21 08:26	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		10/25/21 14:51	10/27/21 08:26	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		10/25/21 14:51	10/27/21 08:26	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		10/25/21 14:51	10/27/21 08:26	5
Biphenyl	ND		25	3.3	ug/L		10/25/21 14:51	10/27/21 08:26	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		10/25/21 14:51	10/27/21 08:26	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		10/25/21 14:51	10/27/21 08:26	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		10/25/21 14:51	10/27/21 08:26	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		10/25/21 14:51	10/27/21 08:26	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		10/25/21 14:51	10/27/21 08:26	5
Caprolactam	ND		25	11	ug/L		10/25/21 14:51	10/27/21 08:26	5
Carbazole	**4.3**	**J**	25	1.5	ug/L		10/25/21 14:51	10/27/21 08:26	5
Chrysene	ND		25	1.7	ug/L		10/25/21 14:51	10/27/21 08:26	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/25/21 14:51	10/27/21 08:26	5
Dibenzofuran	ND		50	2.6	ug/L		10/25/21 14:51	10/27/21 08:26	5
Diethyl phthalate	ND		25	1.1	ug/L		10/25/21 14:51	10/27/21 08:26	5
Dimethyl phthalate	ND		25	1.8	ug/L		10/25/21 14:51	10/27/21 08:26	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		10/25/21 14:51	10/27/21 08:26	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		10/25/21 14:51	10/27/21 08:26	5
Fluoranthene	ND		25	2.0	ug/L		10/25/21 14:51	10/27/21 08:26	5
Fluorene	**2.1**	**J**	25	1.8	ug/L		10/25/21 14:51	10/27/21 08:26	5
Hexachlorobenzene	ND		25	2.6	ug/L		10/25/21 14:51	10/27/21 08:26	5
Hexachlorobutadiene	ND		25	3.4	ug/L		10/25/21 14:51	10/27/21 08:26	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		10/25/21 14:51	10/27/21 08:26	5
Hexachloroethane	ND		25	3.0	ug/L		10/25/21 14:51	10/27/21 08:26	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		10/25/21 14:51	10/27/21 08:26	5
Isophorone	ND		25	2.2	ug/L		10/25/21 14:51	10/27/21 08:26	5
Naphthalene	**12**	**J**	25	3.8	ug/L		10/25/21 14:51	10/27/21 08:26	5
Nitrobenzene	ND		25	1.5	ug/L		10/25/21 14:51	10/27/21 08:26	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		10/25/21 14:51	10/27/21 08:26	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		10/25/21 14:51	10/27/21 08:26	5
Pentachlorophenol	ND		50	11	ug/L		10/25/21 14:51	10/27/21 08:26	5
Phenanthrene	**2.6**	**J**	25	2.2	ug/L		10/25/21 14:51	10/27/21 08:26	5
Phenol	**34**		25	2.0	ug/L		10/25/21 14:51	10/27/21 08:26	5
Pyrene	ND		25	1.7	ug/L		10/25/21 14:51	10/27/21 08:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*146*	*S1+*	*41 - 120*	*10/25/21 14:51*	*10/27/21 08:26*	*5*
2-Fluorobiphenyl	*116*		*48 - 120*	*10/25/21 14:51*	*10/27/21 08:26*	*5*
2-Fluorophenol (Surr)	*76*		*35 - 120*	*10/25/21 14:51*	*10/27/21 08:26*	*5*
Nitrobenzene-d5 (Surr)	*100*		*46 - 120*	*10/25/21 14:51*	*10/27/21 08:26*	*5*
Phenol-d5 (Surr)	*63*		*22 - 120*	*10/25/21 14:51*	*10/27/21 08:26*	*5*
p-Terphenyl-d14 (Surr)	*128*		*60 - 148*	*10/25/21 14:51*	*10/27/21 08:26*	*5*

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D4

Date Collected: 10/22/21 10:40
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/29/21 02:25	1
1,3,5-Trimethylbenzene	**1.3**		1.0	0.77	ug/L			10/29/21 02:25	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/29/21 02:25	1
Benzene	**10**		1.0	0.41	ug/L			10/29/21 02:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/29/21 02:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/29/21 02:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/29/21 02:25	1
m-Xylene & p-Xylene	**3.0**		2.0	0.66	ug/L			10/29/21 02:25	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/29/21 02:25	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/29/21 02:25	1
o-Xylene	**3.0**		1.0	0.76	ug/L			10/29/21 02:25	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/29/21 02:25	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/29/21 02:25	1
Toluene	**3.8**		1.0	0.51	ug/L			10/29/21 02:25	1
Xylenes, Total	**6.0**		2.0	0.66	ug/L			10/29/21 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/29/21 02:25*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/29/21 02:25*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/29/21 02:25*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/29/21 02:25*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 08:53	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 08:53	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 08:53	1
2,4-Dimethylphenol	**1.1**	**J**	5.0	0.50	ug/L		10/25/21 14:51	10/27/21 08:53	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 08:53	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 08:53	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 08:53	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 08:53	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 08:53	1
2-Methylnaphthalene	**2.4**	**J**	5.0	0.60	ug/L		10/25/21 14:51	10/27/21 08:53	1
2-Methylphenol	**1.2**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 08:53	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 08:53	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 08:53	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 08:53	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 08:53	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 08:53	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 08:53	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 08:53	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 08:53	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 08:53	1
4-Methylphenol	**3.4**	**J**	10	0.36	ug/L		10/25/21 14:51	10/27/21 08:53	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 08:53	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 08:53	1
Acenaphthene	**1.3**	**J**	5.0	0.41	ug/L		10/25/21 14:51	10/27/21 08:53	1
Acenaphthylene	**2.0**	**J**	5.0	0.38	ug/L		10/25/21 14:51	10/27/21 08:53	1
Acetophenone	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 08:53	1

Client Sample ID: MW-1D4
Lab Sample ID: 480-191356-3

Date Collected: 10/22/21 10:40
Matrix: Water
Date Received: 10/22/21 15:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**0.70**	**J**	5.0	0.28	ug/L		10/25/21 14:51	10/27/21 08:53	1
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 08:53	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 08:53	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 08:53	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 08:53	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 08:53	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 08:53	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 08:53	1
Biphenyl	ND		5.0	0.65	ug/L		10/25/21 14:51	10/27/21 08:53	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 08:53	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 08:53	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 08:53	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 08:53	1
Butyl benzyl phthalate	**1.1**	**J B**	5.0	1.0	ug/L		10/25/21 14:51	10/27/21 08:53	1
Caprolactam	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 08:53	1
Carbazole	**3.9**	**J**	5.0	0.30	ug/L		10/25/21 14:51	10/27/21 08:53	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 08:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 08:53	1
Dibenzofuran	**1.8**	**J**	10	0.51	ug/L		10/25/21 14:51	10/27/21 08:53	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 08:53	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 08:53	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 08:53	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 08:53	1
Fluoranthene	**0.81**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 08:53	1
Fluorene	**3.0**	**J**	5.0	0.36	ug/L		10/25/21 14:51	10/27/21 08:53	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 08:53	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 08:53	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 08:53	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 08:53	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 08:53	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 08:53	1
Naphthalene	**10**		5.0	0.76	ug/L		10/25/21 14:51	10/27/21 08:53	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 08:53	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 08:53	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 08:53	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 08:53	1
Phenanthrene	**4.3**	**J**	5.0	0.44	ug/L		10/25/21 14:51	10/27/21 08:53	1
Phenol	**0.42**	**J**	5.0	0.39	ug/L		10/25/21 14:51	10/27/21 08:53	1
Pyrene	**0.40**	**J**	5.0	0.34	ug/L		10/25/21 14:51	10/27/21 08:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*117*		*41 - 120*	*10/25/21 14:51*	*10/27/21 08:53*	*1*
2-Fluorobiphenyl	*92*		*48 - 120*	*10/25/21 14:51*	*10/27/21 08:53*	*1*
2-Fluorophenol (Surr)	*60*		*35 - 120*	*10/25/21 14:51*	*10/27/21 08:53*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 120*	*10/25/21 14:51*	*10/27/21 08:53*	*1*
Phenol-d5 (Surr)	*47*		*22 - 120*	*10/25/21 14:51*	*10/27/21 08:53*	*1*
p-Terphenyl-d14 (Surr)	*103*		*60 - 148*	*10/25/21 14:51*	*10/27/21 08:53*	*1*

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-191356-1
Project/Site: Tecumseh - HWMU Groundwater

Client Sample ID: MW-2D2
Date Collected: 10/22/21 11:34
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			10/29/21 02:48	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			10/29/21 02:48	2
4-Isopropyltoluene	ND		2.0	0.62	ug/L			10/29/21 02:48	2
Benzene	ND		2.0	0.82	ug/L			10/29/21 02:48	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/29/21 02:48	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/29/21 02:48	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/29/21 02:48	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			10/29/21 02:48	2
n-Butylbenzene	ND		2.0	1.3	ug/L			10/29/21 02:48	2
N-Propylbenzene	ND		2.0	1.4	ug/L			10/29/21 02:48	2
o-Xylene	ND		2.0	1.5	ug/L			10/29/21 02:48	2
sec-Butylbenzene	ND		2.0	1.5	ug/L			10/29/21 02:48	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			10/29/21 02:48	2
Toluene	ND		2.0	1.0	ug/L			10/29/21 02:48	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/29/21 02:48	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/29/21 02:48*	*2*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/29/21 02:48*	*2*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/29/21 02:48*	*2*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/29/21 02:48*	*2*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 09:21	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 09:21	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 09:21	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/25/21 14:51	10/27/21 09:21	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 09:21	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 09:21	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 09:21	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 09:21	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 09:21	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/25/21 14:51	10/27/21 09:21	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 09:21	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 09:21	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 09:21	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 09:21	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 09:21	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 09:21	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 09:21	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 09:21	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 09:21	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 09:21	1
4-Methylphenol	ND		10	0.36	ug/L		10/25/21 14:51	10/27/21 09:21	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 09:21	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 09:21	1
Acenaphthene	ND		5.0	0.41	ug/L		10/25/21 14:51	10/27/21 09:21	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/25/21 14:51	10/27/21 09:21	1
Acetophenone	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 09:21	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-2D2
Date Collected: 10/22/21 11:34
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.0	0.28	ug/L		10/25/21 14:51	10/27/21 09:21	1
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 09:21	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 09:21	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 09:21	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 09:21	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 09:21	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 09:21	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 09:21	1
Biphenyl	ND		5.0	0.65	ug/L		10/25/21 14:51	10/27/21 09:21	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 09:21	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 09:21	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 09:21	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 09:21	1
Butyl benzyl phthalate	**1.1**	**J B**	5.0	1.0	ug/L		10/25/21 14:51	10/27/21 09:21	1
Caprolactam	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 09:21	1
Carbazole	ND		5.0	0.30	ug/L		10/25/21 14:51	10/27/21 09:21	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 09:21	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 09:21	1
Dibenzofuran	ND		10	0.51	ug/L		10/25/21 14:51	10/27/21 09:21	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 09:21	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 09:21	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 09:21	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 09:21	1
Fluoranthene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 09:21	1
Fluorene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 09:21	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 09:21	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 09:21	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 09:21	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 09:21	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 09:21	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 09:21	1
Naphthalene	ND		5.0	0.76	ug/L		10/25/21 14:51	10/27/21 09:21	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 09:21	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 09:21	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 09:21	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 09:21	1
Phenanthrene	ND		5.0	0.44	ug/L		10/25/21 14:51	10/27/21 09:21	1
Phenol	ND		5.0	0.39	ug/L		10/25/21 14:51	10/27/21 09:21	1
Pyrene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*41 - 120*	*10/25/21 14:51*	*10/27/21 09:21*	*1*
2-Fluorobiphenyl	*96*		*48 - 120*	*10/25/21 14:51*	*10/27/21 09:21*	*1*
2-Fluorophenol (Surr)	*65*		*35 - 120*	*10/25/21 14:51*	*10/27/21 09:21*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*10/25/21 14:51*	*10/27/21 09:21*	*1*
Phenol-d5 (Surr)	*49*		*22 - 120*	*10/25/21 14:51*	*10/27/21 09:21*	*1*
p-Terphenyl-d14 (Surr)	*85*		*60 - 148*	*10/25/21 14:51*	*10/27/21 09:21*	*1*

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-2D3

Date Collected: 10/22/21 12:00
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		5.0	3.8	ug/L			10/29/21 03:11	5
1,3,5-Trimethylbenzene	ND		5.0	3.9	ug/L			10/29/21 03:11	5
4-Isopropyltoluene	ND		5.0	1.6	ug/L			10/29/21 03:11	5
Benzene	**9.8**		5.0	2.1	ug/L			10/29/21 03:11	5
Ethylbenzene	ND	F1	5.0	3.7	ug/L			10/29/21 03:11	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/29/21 03:11	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/29/21 03:11	5
m-Xylene & p-Xylene	**9.1**	**J F1**	10	3.3	ug/L			10/29/21 03:11	5
n-Butylbenzene	ND		5.0	3.2	ug/L			10/29/21 03:11	5
N-Propylbenzene	ND		5.0	3.5	ug/L			10/29/21 03:11	5
o-Xylene	**5.6**	**F1**	5.0	3.8	ug/L			10/29/21 03:11	5
sec-Butylbenzene	ND		5.0	3.8	ug/L			10/29/21 03:11	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			10/29/21 03:11	5
Toluene	**6.0**	**F1**	5.0	2.6	ug/L			10/29/21 03:11	5
Xylenes, Total	**15**	**F1**	10	3.3	ug/L			10/29/21 03:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/29/21 03:11*	*5*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/29/21 03:11*	*5*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/29/21 03:11*	*5*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/29/21 03:11*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 09:48	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 09:48	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 09:48	1
2,4-Dimethylphenol	**1.9**	**J**	5.0	0.50	ug/L		10/25/21 14:51	10/27/21 09:48	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 09:48	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 09:48	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 09:48	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 09:48	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 09:48	1
2-Methylnaphthalene	**12**		5.0	0.60	ug/L		10/25/21 14:51	10/27/21 09:48	1
2-Methylphenol	**1.4**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 09:48	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 09:48	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 09:48	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 09:48	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 09:48	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 09:48	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 09:48	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 09:48	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 09:48	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 09:48	1
4-Methylphenol	**1.9**	**J**	10	0.36	ug/L		10/25/21 14:51	10/27/21 09:48	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 09:48	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 09:48	1
Acenaphthene	**3.7**	**J**	5.0	0.41	ug/L		10/25/21 14:51	10/27/21 09:48	1
Acenaphthylene	**14**		5.0	0.38	ug/L		10/25/21 14:51	10/27/21 09:48	1
Acetophenone	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 09:48	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-2D3
Date Collected: 10/22/21 12:00
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**2.4**	**J**	5.0	0.28	ug/L		10/25/21 14:51	10/27/21 09:48	1
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 09:48	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 09:48	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 09:48	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 09:48	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 09:48	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 09:48	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 09:48	1
Biphenyl	**2.7**	**J**	5.0	0.65	ug/L		10/25/21 14:51	10/27/21 09:48	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 09:48	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 09:48	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 09:48	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 09:48	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/25/21 14:51	10/27/21 09:48	1
Caprolactam	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 09:48	1
Carbazole	**14**		5.0	0.30	ug/L		10/25/21 14:51	10/27/21 09:48	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 09:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 09:48	1
Dibenzofuran	**12**		10	0.51	ug/L		10/25/21 14:51	10/27/21 09:48	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 09:48	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 09:48	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 09:48	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 09:48	1
Fluoranthene	**2.5**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 09:48	1
Fluorene	**19**		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 09:48	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 09:48	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 09:48	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 09:48	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 09:48	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 09:48	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 09:48	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 09:48	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 09:48	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 09:48	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 09:48	1
Phenanthrene	**26**		5.0	0.44	ug/L		10/25/21 14:51	10/27/21 09:48	1
Phenol	**0.53**	**J**	5.0	0.39	ug/L		10/25/21 14:51	10/27/21 09:48	1
Pyrene	**1.3**	**J**	5.0	0.34	ug/L		10/25/21 14:51	10/27/21 09:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*135*	*S1+*	*41 - 120*	*10/25/21 14:51*	*10/27/21 09:48*	*1*
2-Fluorobiphenyl	*100*		*48 - 120*	*10/25/21 14:51*	*10/27/21 09:48*	*1*
2-Fluorophenol (Surr)	*67*		*35 - 120*	*10/25/21 14:51*	*10/27/21 09:48*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*10/25/21 14:51*	*10/27/21 09:48*	*1*
Phenol-d5 (Surr)	*51*		*22 - 120*	*10/25/21 14:51*	*10/27/21 09:48*	*1*
p-Terphenyl-d14 (Surr)	*94*		*60 - 148*	*10/25/21 14:51*	*10/27/21 09:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**64**		25	3.8	ug/L		10/25/21 14:51	10/30/21 00:14	5

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-2D3
Date Collected: 10/22/21 12:00
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		41 - 120	10/25/21 14:51	10/30/21 00:14	5
2-Fluorobiphenyl	83		48 - 120	10/25/21 14:51	10/30/21 00:14	5
2-Fluorophenol (Surr)	50		35 - 120	10/25/21 14:51	10/30/21 00:14	5
Nitrobenzene-d5 (Surr)	67		46 - 120	10/25/21 14:51	10/30/21 00:14	5
Phenol-d5 (Surr)	38		22 - 120	10/25/21 14:51	10/30/21 00:14	5
p-Terphenyl-d14 (Surr)	79		60 - 148	10/25/21 14:51	10/30/21 00:14	5

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-191356-1
Project/Site: Tecumseh - HWMU Groundwater

Client Sample ID: MW-2D4
Date Collected: 10/22/21 12:25
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		5.0	3.8	ug/L			10/29/21 03:34	5
1,3,5-Trimethylbenzene	ND		5.0	3.9	ug/L			10/29/21 03:34	5
4-Isopropyltoluene	ND		5.0	1.6	ug/L			10/29/21 03:34	5
Benzene	ND		5.0	2.1	ug/L			10/29/21 03:34	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/29/21 03:34	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/29/21 03:34	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/29/21 03:34	5
m-Xylene & p-Xylene	ND		10	3.3	ug/L			10/29/21 03:34	5
n-Butylbenzene	ND		5.0	3.2	ug/L			10/29/21 03:34	5
N-Propylbenzene	ND		5.0	3.5	ug/L			10/29/21 03:34	5
o-Xylene	ND		5.0	3.8	ug/L			10/29/21 03:34	5
sec-Butylbenzene	ND		5.0	3.8	ug/L			10/29/21 03:34	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			10/29/21 03:34	5
Toluene	ND		5.0	2.6	ug/L			10/29/21 03:34	5
Xylenes, Total	ND		10	3.3	ug/L			10/29/21 03:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/29/21 03:34*	*5*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/29/21 03:34*	*5*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/29/21 03:34*	*5*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/29/21 03:34*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 10:15	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 10:15	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 10:15	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/25/21 14:51	10/27/21 10:15	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 10:15	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 10:15	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 10:15	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 10:15	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 10:15	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/25/21 14:51	10/27/21 10:15	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 10:15	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 10:15	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 10:15	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 10:15	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 10:15	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 10:15	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 10:15	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 10:15	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 10:15	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 10:15	1
4-Methylphenol	ND		10	0.36	ug/L		10/25/21 14:51	10/27/21 10:15	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 10:15	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 10:15	1
Acenaphthene	ND		5.0	0.41	ug/L		10/25/21 14:51	10/27/21 10:15	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/25/21 14:51	10/27/21 10:15	1
Acetophenone	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 10:15	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-2D4
Date Collected: 10/22/21 12:25
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.0	0.28	ug/L		10/25/21 14:51	10/27/21 10:15	1
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 10:15	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 10:15	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 10:15	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 10:15	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 10:15	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 10:15	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 10:15	1
Biphenyl	ND		5.0	0.65	ug/L		10/25/21 14:51	10/27/21 10:15	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 10:15	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 10:15	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 10:15	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 10:15	1
Butyl benzyl phthalate	**1.3**	**J B**	5.0	1.0	ug/L		10/25/21 14:51	10/27/21 10:15	1
Caprolactam	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 10:15	1
Carbazole	ND		5.0	0.30	ug/L		10/25/21 14:51	10/27/21 10:15	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 10:15	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 10:15	1
Dibenzofuran	ND		10	0.51	ug/L		10/25/21 14:51	10/27/21 10:15	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 10:15	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 10:15	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 10:15	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 10:15	1
Fluoranthene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 10:15	1
Fluorene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 10:15	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 10:15	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 10:15	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 10:15	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 10:15	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 10:15	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 10:15	1
Naphthalene	ND		5.0	0.76	ug/L		10/25/21 14:51	10/27/21 10:15	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 10:15	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 10:15	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 10:15	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 10:15	1
Phenanthrene	ND		5.0	0.44	ug/L		10/25/21 14:51	10/27/21 10:15	1
Phenol	ND		5.0	0.39	ug/L		10/25/21 14:51	10/27/21 10:15	1
Pyrene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*41 - 120*	*10/25/21 14:51*	*10/27/21 10:15*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/25/21 14:51*	*10/27/21 10:15*	*1*
2-Fluorophenol (Surr)	*53*		*35 - 120*	*10/25/21 14:51*	*10/27/21 10:15*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 120*	*10/25/21 14:51*	*10/27/21 10:15*	*1*
Phenol-d5 (Surr)	*43*		*22 - 120*	*10/25/21 14:51*	*10/27/21 10:15*	*1*
p-Terphenyl-d14 (Surr)	*68*		*60 - 148*	*10/25/21 14:51*	*10/27/21 10:15*	*1*

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MWS11A

Date Collected: 10/22/21 12:52
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**3.0**		2.0	1.5	ug/L			10/29/21 03:58	2
1,3,5-Trimethylbenzene	**1.6**	**J**	2.0	1.5	ug/L			10/29/21 03:58	2
4-Isopropyltoluene	ND		2.0	0.62	ug/L			10/29/21 03:58	2
Benzene	**2.2**		2.0	0.82	ug/L			10/29/21 03:58	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/29/21 03:58	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/29/21 03:58	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/29/21 03:58	2
m-Xylene & p-Xylene	**4.0**		4.0	1.3	ug/L			10/29/21 03:58	2
n-Butylbenzene	ND		2.0	1.3	ug/L			10/29/21 03:58	2
N-Propylbenzene	ND		2.0	1.4	ug/L			10/29/21 03:58	2
o-Xylene	**1.9**	**J**	2.0	1.5	ug/L			10/29/21 03:58	2
sec-Butylbenzene	ND		2.0	1.5	ug/L			10/29/21 03:58	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			10/29/21 03:58	2
Toluene	**1.8**	**J**	2.0	1.0	ug/L			10/29/21 03:58	2
Xylenes, Total	**5.9**		4.0	1.3	ug/L			10/29/21 03:58	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/29/21 03:58*	*2*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/29/21 03:58*	*2*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/29/21 03:58*	*2*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/29/21 03:58*	*2*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 10:43	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 10:43	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 10:43	1
2,4-Dimethylphenol	**4.4**	**J**	5.0	0.50	ug/L		10/25/21 14:51	10/27/21 10:43	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 10:43	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 10:43	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 10:43	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 10:43	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 10:43	1
2-Methylnaphthalene	**19**		5.0	0.60	ug/L		10/25/21 14:51	10/27/21 10:43	1
2-Methylphenol	**5.6**		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 10:43	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 10:43	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 10:43	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 10:43	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 10:43	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 10:43	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 10:43	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 10:43	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 10:43	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 10:43	1
4-Methylphenol	**10**		10	0.36	ug/L		10/25/21 14:51	10/27/21 10:43	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 10:43	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 10:43	1
Acenaphthene	**2.7**	**J**	5.0	0.41	ug/L		10/25/21 14:51	10/27/21 10:43	1
Acenaphthylene	**12**		5.0	0.38	ug/L		10/25/21 14:51	10/27/21 10:43	1
Acetophenone	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 10:43	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MWS11A
Date Collected: 10/22/21 12:52
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**1.0**	**J**	5.0	0.28	ug/L		10/25/21 14:51	10/27/21 10:43	1
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 10:43	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 10:43	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 10:43	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 10:43	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 10:43	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 10:43	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 10:43	1
Biphenyl	**3.2**	**J**	5.0	0.65	ug/L		10/25/21 14:51	10/27/21 10:43	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 10:43	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 10:43	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 10:43	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 10:43	1
Butyl benzyl phthalate	**1.2**	**J B**	5.0	1.0	ug/L		10/25/21 14:51	10/27/21 10:43	1
Caprolactam	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 10:43	1
Carbazole	**9.4**		5.0	0.30	ug/L		10/25/21 14:51	10/27/21 10:43	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 10:43	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 10:43	1
Dibenzofuran	**9.8**	**J**	10	0.51	ug/L		10/25/21 14:51	10/27/21 10:43	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 10:43	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 10:43	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 10:43	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 10:43	1
Fluoranthene	**3.4**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 10:43	1
Fluorene	**9.6**		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 10:43	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 10:43	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 10:43	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 10:43	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 10:43	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 10:43	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 10:43	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 10:43	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 10:43	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 10:43	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 10:43	1
Phenanthrene	**11**		5.0	0.44	ug/L		10/25/21 14:51	10/27/21 10:43	1
Phenol	**1.1**	**J**	5.0	0.39	ug/L		10/25/21 14:51	10/27/21 10:43	1
Pyrene	**2.1**	**J**	5.0	0.34	ug/L		10/25/21 14:51	10/27/21 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*41 - 120*	*10/25/21 14:51*	*10/27/21 10:43*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*10/25/21 14:51*	*10/27/21 10:43*	*1*
2-Fluorophenol (Surr)	*52*		*35 - 120*	*10/25/21 14:51*	*10/27/21 10:43*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 120*	*10/25/21 14:51*	*10/27/21 10:43*	*1*
Phenol-d5 (Surr)	*40*		*22 - 120*	*10/25/21 14:51*	*10/27/21 10:43*	*1*
p-Terphenyl-d14 (Surr)	*89*		*60 - 148*	*10/25/21 14:51*	*10/27/21 10:43*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**99**		25	3.8	ug/L		10/25/21 14:51	10/30/21 00:42	5

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-191356-1
Project/Site: Tecumseh - HWMU Groundwater

Client Sample ID: MWS11A
Lab Sample ID: 480-191356-7
Date Collected: 10/22/21 12:52
Matrix: Water
Date Received: 10/22/21 15:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	77		41 - 120	10/25/21 14:51	10/30/21 00:42	5
2-Fluorobiphenyl	68		48 - 120	10/25/21 14:51	10/30/21 00:42	5
2-Fluorophenol (Surr)	42		35 - 120	10/25/21 14:51	10/30/21 00:42	5
Nitrobenzene-d5 (Surr)	55		46 - 120	10/25/21 14:51	10/30/21 00:42	5
Phenol-d5 (Surr)	32		22 - 120	10/25/21 14:51	10/30/21 00:42	5
p-Terphenyl-d14 (Surr)	74		60 - 148	10/25/21 14:51	10/30/21 00:42	5

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D1

Date Collected: 10/21/21 13:05
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-8

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/27/21 18:24	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/27/21 18:24	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			10/27/21 18:24	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/27/21 18:24	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/27/21 18:24	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/27/21 18:24	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/27/21 18:24	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			10/27/21 18:24	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/27/21 18:24	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			10/27/21 18:24	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/27/21 18:24	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/27/21 18:24	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/27/21 18:24	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			10/27/21 18:24	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/27/21 18:24	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/27/21 18:24	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/27/21 18:24	2
2-Hexanone	ND		10	2.5	ug/L			10/27/21 18:24	2
4-Isopropyltoluene	ND		2.0	0.62	ug/L			10/27/21 18:24	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/27/21 18:24	2
Acetone	ND		20	6.0	ug/L			10/27/21 18:24	2
Benzene	ND		2.0	0.82	ug/L			10/27/21 18:24	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/27/21 18:24	2
Bromoform	ND		2.0	0.52	ug/L			10/27/21 18:24	2
Bromomethane	ND		2.0	1.4	ug/L			10/27/21 18:24	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/27/21 18:24	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/27/21 18:24	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/27/21 18:24	2
Chloroethane	ND		2.0	0.64	ug/L			10/27/21 18:24	2
Chloroform	ND		2.0	0.68	ug/L			10/27/21 18:24	2
Chloromethane	ND		2.0	0.70	ug/L			10/27/21 18:24	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			10/27/21 18:24	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/27/21 18:24	2
Cyclohexane	ND		2.0	0.36	ug/L			10/27/21 18:24	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/27/21 18:24	2
Dichlorodifluoromethane	ND	*+	2.0	1.4	ug/L			10/27/21 18:24	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/27/21 18:24	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/27/21 18:24	2
m,p-Xylene	ND		4.0	1.3	ug/L			10/27/21 18:24	2
Methyl acetate	ND		5.0	2.6	ug/L			10/27/21 18:24	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/27/21 18:24	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/27/21 18:24	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/27/21 18:24	2
n-Butylbenzene	ND		2.0	1.3	ug/L			10/27/21 18:24	2
N-Propylbenzene	ND		2.0	1.4	ug/L			10/27/21 18:24	2
o-Xylene	**2.2**		2.0	1.5	ug/L			10/27/21 18:24	2
sec-Butylbenzene	ND		2.0	1.5	ug/L			10/27/21 18:24	2
Styrene	ND		2.0	1.5	ug/L			10/27/21 18:24	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			10/27/21 18:24	2

Client Sample ID: MW-1D1
Lab Sample ID: 480-191356-8

Date Collected: 10/21/21 13:05
Matrix: Water
Date Received: 10/22/21 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		2.0	0.72	ug/L			10/27/21 18:24	2
Toluene	**1.1**	**J**	2.0	1.0	ug/L			10/27/21 18:24	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/27/21 18:24	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/27/21 18:24	2
Trichloroethene	ND		2.0	0.92	ug/L			10/27/21 18:24	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/27/21 18:24	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/27/21 18:24	2
Xylenes, Total	**2.2**	**J**	4.0	1.3	ug/L			10/27/21 18:24	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/27/21 18:24*	*2*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/27/21 18:24*	*2*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*10/27/21 18:24*	*2*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/27/21 18:24*	*2*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 11:10	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 11:10	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 11:10	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/25/21 14:51	10/27/21 11:10	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 11:10	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 11:10	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 11:10	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 11:10	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 11:10	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/25/21 14:51	10/27/21 11:10	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 11:10	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 11:10	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 11:10	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 11:10	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 11:10	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 11:10	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 11:10	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 11:10	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 11:10	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 11:10	1
4-Methylphenol	**0.37**	**J**	10	0.36	ug/L		10/25/21 14:51	10/27/21 11:10	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 11:10	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 11:10	1
Acenaphthene	ND		5.0	0.41	ug/L		10/25/21 14:51	10/27/21 11:10	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/25/21 14:51	10/27/21 11:10	1
Acetophenone	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 11:10	1
Anthracene	ND		5.0	0.28	ug/L		10/25/21 14:51	10/27/21 11:10	1
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 11:10	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 11:10	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 11:10	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 11:10	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 11:10	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 11:10	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D1
Date Collected: 10/21/21 13:05
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 11:10	1
Biphenyl	ND		5.0	0.65	ug/L		10/25/21 14:51	10/27/21 11:10	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 11:10	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 11:10	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 11:10	1
Bis(2-ethylhexyl) phthalate	**23**		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 11:10	1
Butyl benzyl phthalate	**1.1**	**J B**	5.0	1.0	ug/L		10/25/21 14:51	10/27/21 11:10	1
Caprolactam	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 11:10	1
Carbazole	ND		5.0	0.30	ug/L		10/25/21 14:51	10/27/21 11:10	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 11:10	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 11:10	1
Dibenzofuran	ND		10	0.51	ug/L		10/25/21 14:51	10/27/21 11:10	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 11:10	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 11:10	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 11:10	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 11:10	1
Fluoranthene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 11:10	1
Fluorene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 11:10	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 11:10	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 11:10	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 11:10	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 11:10	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 11:10	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 11:10	1
Naphthalene	**2.3**	**J**	5.0	0.76	ug/L		10/25/21 14:51	10/27/21 11:10	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 11:10	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 11:10	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 11:10	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 11:10	1
Phenanthrene	ND		5.0	0.44	ug/L		10/25/21 14:51	10/27/21 11:10	1
Phenol	**0.48**	**J**	5.0	0.39	ug/L		10/25/21 14:51	10/27/21 11:10	1
Pyrene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*41 - 120*	*10/25/21 14:51*	*10/27/21 11:10*	*1*
2-Fluorobiphenyl	*63*		*48 - 120*	*10/25/21 14:51*	*10/27/21 11:10*	*1*
2-Fluorophenol (Surr)	*41*		*35 - 120*	*10/25/21 14:51*	*10/27/21 11:10*	*1*
Nitrobenzene-d5 (Surr)	*56*		*46 - 120*	*10/25/21 14:51*	*10/27/21 11:10*	*1*
Phenol-d5 (Surr)	*32*		*22 - 120*	*10/25/21 14:51*	*10/27/21 11:10*	*1*
p-Terphenyl-d14 (Surr)	*78*		*60 - 148*	*10/25/21 14:51*	*10/27/21 11:10*	*1*

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D6

Date Collected: 10/21/21 09:03
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/27/21 18:47	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/27/21 18:47	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			10/27/21 18:47	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/27/21 18:47	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/27/21 18:47	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/27/21 18:47	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/27/21 18:47	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			10/27/21 18:47	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/27/21 18:47	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			10/27/21 18:47	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/27/21 18:47	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/27/21 18:47	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/27/21 18:47	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			10/27/21 18:47	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/27/21 18:47	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/27/21 18:47	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/27/21 18:47	2
2-Hexanone	ND		10	2.5	ug/L			10/27/21 18:47	2
4-Isopropyltoluene	ND		2.0	0.62	ug/L			10/27/21 18:47	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/27/21 18:47	2
Acetone	ND		20	6.0	ug/L			10/27/21 18:47	2
Benzene	ND		2.0	0.82	ug/L			10/27/21 18:47	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/27/21 18:47	2
Bromoform	ND		2.0	0.52	ug/L			10/27/21 18:47	2
Bromomethane	ND		2.0	1.4	ug/L			10/27/21 18:47	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/27/21 18:47	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/27/21 18:47	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/27/21 18:47	2
Chloroethane	ND		2.0	0.64	ug/L			10/27/21 18:47	2
Chloroform	ND		2.0	0.68	ug/L			10/27/21 18:47	2
Chloromethane	ND		2.0	0.70	ug/L			10/27/21 18:47	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			10/27/21 18:47	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/27/21 18:47	2
Cyclohexane	ND		2.0	0.36	ug/L			10/27/21 18:47	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/27/21 18:47	2
Dichlorodifluoromethane	ND	*+	2.0	1.4	ug/L			10/27/21 18:47	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/27/21 18:47	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/27/21 18:47	2
m,p-Xylene	ND		4.0	1.3	ug/L			10/27/21 18:47	2
Methyl acetate	ND		5.0	2.6	ug/L			10/27/21 18:47	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/27/21 18:47	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/27/21 18:47	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/27/21 18:47	2
n-Butylbenzene	ND		2.0	1.3	ug/L			10/27/21 18:47	2
N-Propylbenzene	ND		2.0	1.4	ug/L			10/27/21 18:47	2
o-Xylene	ND		2.0	1.5	ug/L			10/27/21 18:47	2
sec-Butylbenzene	ND		2.0	1.5	ug/L			10/27/21 18:47	2
Styrene	ND		2.0	1.5	ug/L			10/27/21 18:47	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			10/27/21 18:47	2

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D6
Date Collected: 10/21/21 09:03
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		2.0	0.72	ug/L			10/27/21 18:47	2
Toluene	ND		2.0	1.0	ug/L			10/27/21 18:47	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/27/21 18:47	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/27/21 18:47	2
Trichloroethene	ND		2.0	0.92	ug/L			10/27/21 18:47	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/27/21 18:47	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/27/21 18:47	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/27/21 18:47	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 120*		*10/27/21 18:47*	*2*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/27/21 18:47*	*2*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*10/27/21 18:47*	*2*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/27/21 18:47*	*2*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 11:37	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 11:37	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 11:37	1
2,4-Dimethylphenol	**0.77**	**J**	5.0	0.50	ug/L		10/25/21 14:51	10/27/21 11:37	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 11:37	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 11:37	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 11:37	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 11:37	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 11:37	1
2-Methylnaphthalene	**0.83**	**J**	5.0	0.60	ug/L		10/25/21 14:51	10/27/21 11:37	1
2-Methylphenol	**0.85**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 11:37	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 11:37	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 11:37	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 11:37	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 11:37	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 11:37	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 11:37	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 11:37	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 11:37	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 11:37	1
4-Methylphenol	**1.5**	**J**	10	0.36	ug/L		10/25/21 14:51	10/27/21 11:37	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 11:37	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 11:37	1
Acenaphthene	ND		5.0	0.41	ug/L		10/25/21 14:51	10/27/21 11:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/25/21 14:51	10/27/21 11:37	1
Acetophenone	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 11:37	1
Anthracene	ND		5.0	0.28	ug/L		10/25/21 14:51	10/27/21 11:37	1
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 11:37	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 11:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 11:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 11:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 11:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 11:37	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D6
Date Collected: 10/21/21 09:03
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 11:37	1
Biphenyl	ND		5.0	0.65	ug/L		10/25/21 14:51	10/27/21 11:37	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 11:37	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 11:37	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 11:37	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 11:37	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/25/21 14:51	10/27/21 11:37	1
Caprolactam	**2.2**	**J**	5.0	2.2	ug/L		10/25/21 14:51	10/27/21 11:37	1
Carbazole	**2.5**	**J**	5.0	0.30	ug/L		10/25/21 14:51	10/27/21 11:37	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 11:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 11:37	1
Dibenzofuran	**0.96**	**J**	10	0.51	ug/L		10/25/21 14:51	10/27/21 11:37	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 11:37	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 11:37	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 11:37	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 11:37	1
Fluoranthene	**3.3**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 11:37	1
Fluorene	**0.66**	**J**	5.0	0.36	ug/L		10/25/21 14:51	10/27/21 11:37	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 11:37	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 11:37	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 11:37	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 11:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 11:37	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 11:37	1
Naphthalene	**7.2**		5.0	0.76	ug/L		10/25/21 14:51	10/27/21 11:37	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 11:37	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 11:37	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 11:37	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 11:37	1
Phenanthrene	**8.7**		5.0	0.44	ug/L		10/25/21 14:51	10/27/21 11:37	1
Phenol	ND		5.0	0.39	ug/L		10/25/21 14:51	10/27/21 11:37	1
Pyrene	**1.5**	**J**	5.0	0.34	ug/L		10/25/21 14:51	10/27/21 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*117*		*41 - 120*	*10/25/21 14:51*	*10/27/21 11:37*	*1*
2-Fluorobiphenyl	*92*		*48 - 120*	*10/25/21 14:51*	*10/27/21 11:37*	*1*
2-Fluorophenol (Surr)	*60*		*35 - 120*	*10/25/21 14:51*	*10/27/21 11:37*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*10/25/21 14:51*	*10/27/21 11:37*	*1*
Phenol-d5 (Surr)	*45*		*22 - 120*	*10/25/21 14:51*	*10/27/21 11:37*	*1*
p-Terphenyl-d14 (Surr)	*93*		*60 - 148*	*10/25/21 14:51*	*10/27/21 11:37*	*1*

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D7

Date Collected: 10/21/21 09:41
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-10

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/27/21 19:09	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/27/21 19:09	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/27/21 19:09	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/27/21 19:09	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/27/21 19:09	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/27/21 19:09	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/27/21 19:09	5
1,2,4-Trimethylbenzene	ND		5.0	3.8	ug/L			10/27/21 19:09	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/27/21 19:09	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/27/21 19:09	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/27/21 19:09	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/27/21 19:09	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/27/21 19:09	5
1,3,5-Trimethylbenzene	ND		5.0	3.9	ug/L			10/27/21 19:09	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/27/21 19:09	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/27/21 19:09	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/27/21 19:09	5
2-Hexanone	ND		25	6.2	ug/L			10/27/21 19:09	5
4-Isopropyltoluene	ND		5.0	1.6	ug/L			10/27/21 19:09	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/27/21 19:09	5
Acetone	ND		50	15	ug/L			10/27/21 19:09	5
Benzene	**6.6**		5.0	2.1	ug/L			10/27/21 19:09	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/27/21 19:09	5
Bromoform	ND		5.0	1.3	ug/L			10/27/21 19:09	5
Bromomethane	ND		5.0	3.5	ug/L			10/27/21 19:09	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/27/21 19:09	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/27/21 19:09	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/27/21 19:09	5
Chloroethane	ND		5.0	1.6	ug/L			10/27/21 19:09	5
Chloroform	ND		5.0	1.7	ug/L			10/27/21 19:09	5
Chloromethane	ND		5.0	1.8	ug/L			10/27/21 19:09	5
cis-1,2-Dichloroethene	**18**		5.0	4.1	ug/L			10/27/21 19:09	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/27/21 19:09	5
Cyclohexane	ND		5.0	0.90	ug/L			10/27/21 19:09	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/27/21 19:09	5
Dichlorodifluoromethane	ND	*+	5.0	3.4	ug/L			10/27/21 19:09	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/27/21 19:09	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/27/21 19:09	5
m,p-Xylene	ND		10	3.3	ug/L			10/27/21 19:09	5
Methyl acetate	ND		13	6.5	ug/L			10/27/21 19:09	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/27/21 19:09	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/27/21 19:09	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/27/21 19:09	5
n-Butylbenzene	ND		5.0	3.2	ug/L			10/27/21 19:09	5
N-Propylbenzene	ND		5.0	3.5	ug/L			10/27/21 19:09	5
o-Xylene	ND		5.0	3.8	ug/L			10/27/21 19:09	5
sec-Butylbenzene	ND		5.0	3.8	ug/L			10/27/21 19:09	5
Styrene	ND		5.0	3.7	ug/L			10/27/21 19:09	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			10/27/21 19:09	5

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D7
Date Collected: 10/21/21 09:41
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	1.8	ug/L			10/27/21 19:09	5
Toluene	ND		5.0	2.6	ug/L			10/27/21 19:09	5
trans-1,2-Dichloroethene	**18**		5.0	4.5	ug/L			10/27/21 19:09	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/27/21 19:09	5
Trichloroethene	ND		5.0	2.3	ug/L			10/27/21 19:09	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/27/21 19:09	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/27/21 19:09	5
Xylenes, Total	ND		10	3.3	ug/L			10/27/21 19:09	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*10/27/21 19:09*	*5*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/27/21 19:09*	*5*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*10/27/21 19:09*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/27/21 19:09*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 12:04	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 12:04	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 12:04	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/25/21 14:51	10/27/21 12:04	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 12:04	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 12:04	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:04	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 12:04	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 12:04	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/25/21 14:51	10/27/21 12:04	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:04	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 12:04	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 12:04	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:04	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 12:04	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 12:04	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 12:04	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 12:04	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 12:04	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 12:04	1
4-Methylphenol	ND		10	0.36	ug/L		10/25/21 14:51	10/27/21 12:04	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 12:04	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 12:04	1
Acenaphthene	**0.60**	**J**	5.0	0.41	ug/L		10/25/21 14:51	10/27/21 12:04	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/25/21 14:51	10/27/21 12:04	1
Acetophenone	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 12:04	1
Anthracene	ND		5.0	0.28	ug/L		10/25/21 14:51	10/27/21 12:04	1
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 12:04	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 12:04	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 12:04	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 12:04	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 12:04	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 12:04	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D7
Date Collected: 10/21/21 09:41
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 12:04	1
Biphenyl	ND		5.0	0.65	ug/L		10/25/21 14:51	10/27/21 12:04	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 12:04	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 12:04	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:04	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 12:04	1
Butyl benzyl phthalate	**1.3**	**J B**	5.0	1.0	ug/L		10/25/21 14:51	10/27/21 12:04	1
Caprolactam	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 12:04	1
Carbazole	ND		5.0	0.30	ug/L		10/25/21 14:51	10/27/21 12:04	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 12:04	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 12:04	1
Dibenzofuran	ND		10	0.51	ug/L		10/25/21 14:51	10/27/21 12:04	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 12:04	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 12:04	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 12:04	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 12:04	1
Fluoranthene	**0.52**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:04	1
Fluorene	**4.4**	**J**	5.0	0.36	ug/L		10/25/21 14:51	10/27/21 12:04	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 12:04	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 12:04	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 12:04	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 12:04	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 12:04	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 12:04	1
Naphthalene	ND		5.0	0.76	ug/L		10/25/21 14:51	10/27/21 12:04	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 12:04	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 12:04	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 12:04	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 12:04	1
Phenanthrene	ND		5.0	0.44	ug/L		10/25/21 14:51	10/27/21 12:04	1
Phenol	ND		5.0	0.39	ug/L		10/25/21 14:51	10/27/21 12:04	1
Pyrene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*113*		*41 - 120*	*10/25/21 14:51*	*10/27/21 12:04*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*10/25/21 14:51*	*10/27/21 12:04*	*1*
2-Fluorophenol (Surr)	*53*		*35 - 120*	*10/25/21 14:51*	*10/27/21 12:04*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 120*	*10/25/21 14:51*	*10/27/21 12:04*	*1*
Phenol-d5 (Surr)	*41*		*22 - 120*	*10/25/21 14:51*	*10/27/21 12:04*	*1*
p-Terphenyl-d14 (Surr)	*49*	*S1-*	*60 - 148*	*10/25/21 14:51*	*10/27/21 12:04*	*1*

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D8
Date Collected: 10/21/21 10:49
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/27/21 19:32	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/27/21 19:32	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			10/27/21 19:32	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/27/21 19:32	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/27/21 19:32	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/27/21 19:32	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/27/21 19:32	2
1,2,4-Trimethylbenzene	**4.6**		2.0	1.5	ug/L			10/27/21 19:32	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/27/21 19:32	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			10/27/21 19:32	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/27/21 19:32	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/27/21 19:32	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/27/21 19:32	2
1,3,5-Trimethylbenzene	**4.6**		2.0	1.5	ug/L			10/27/21 19:32	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/27/21 19:32	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/27/21 19:32	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/27/21 19:32	2
2-Hexanone	ND		10	2.5	ug/L			10/27/21 19:32	2
4-Isopropyltoluene	ND		2.0	0.62	ug/L			10/27/21 19:32	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/27/21 19:32	2
Acetone	ND		20	6.0	ug/L			10/27/21 19:32	2
Benzene	**1.8**	**J**	2.0	0.82	ug/L			10/27/21 19:32	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/27/21 19:32	2
Bromoform	ND		2.0	0.52	ug/L			10/27/21 19:32	2
Bromomethane	ND		2.0	1.4	ug/L			10/27/21 19:32	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/27/21 19:32	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/27/21 19:32	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/27/21 19:32	2
Chloroethane	ND		2.0	0.64	ug/L			10/27/21 19:32	2
Chloroform	ND		2.0	0.68	ug/L			10/27/21 19:32	2
Chloromethane	ND		2.0	0.70	ug/L			10/27/21 19:32	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			10/27/21 19:32	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/27/21 19:32	2
Cyclohexane	ND		2.0	0.36	ug/L			10/27/21 19:32	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/27/21 19:32	2
Dichlorodifluoromethane	ND	*+	2.0	1.4	ug/L			10/27/21 19:32	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/27/21 19:32	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/27/21 19:32	2
m,p-Xylene	**6.8**		4.0	1.3	ug/L			10/27/21 19:32	2
Methyl acetate	ND		5.0	2.6	ug/L			10/27/21 19:32	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/27/21 19:32	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/27/21 19:32	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/27/21 19:32	2
n-Butylbenzene	ND		2.0	1.3	ug/L			10/27/21 19:32	2
N-Propylbenzene	ND		2.0	1.4	ug/L			10/27/21 19:32	2
o-Xylene	**5.3**		2.0	1.5	ug/L			10/27/21 19:32	2
sec-Butylbenzene	ND		2.0	1.5	ug/L			10/27/21 19:32	2
Styrene	**2.6**		2.0	1.5	ug/L			10/27/21 19:32	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			10/27/21 19:32	2

Client Sample ID: MW-1D8
Lab Sample ID: 480-191356-11
Date Collected: 10/21/21 10:49
Matrix: Water
Date Received: 10/22/21 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		2.0	0.72	ug/L			10/27/21 19:32	2
Toluene	**4.8**		2.0	1.0	ug/L			10/27/21 19:32	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/27/21 19:32	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/27/21 19:32	2
Trichloroethene	ND		2.0	0.92	ug/L			10/27/21 19:32	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/27/21 19:32	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/27/21 19:32	2
Xylenes, Total	**12**		4.0	1.3	ug/L			10/27/21 19:32	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/27/21 19:32*	*2*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/27/21 19:32*	*2*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/27/21 19:32*	*2*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/27/21 19:32*	*2*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 12:32	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 12:32	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 12:32	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/25/21 14:51	10/27/21 12:32	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 12:32	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 12:32	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:32	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 12:32	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 12:32	1
2-Methylnaphthalene	**5.4**		5.0	0.60	ug/L		10/25/21 14:51	10/27/21 12:32	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:32	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 12:32	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 12:32	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:32	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 12:32	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 12:32	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 12:32	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 12:32	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 12:32	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 12:32	1
4-Methylphenol	**0.47**	**J**	10	0.36	ug/L		10/25/21 14:51	10/27/21 12:32	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 12:32	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 12:32	1
Acenaphthene	**0.49**	**J**	5.0	0.41	ug/L		10/25/21 14:51	10/27/21 12:32	1
Acenaphthylene	**3.8**	**J**	5.0	0.38	ug/L		10/25/21 14:51	10/27/21 12:32	1
Acetophenone	**1.2**	**J**	5.0	0.54	ug/L		10/25/21 14:51	10/27/21 12:32	1
Anthracene	ND		5.0	0.28	ug/L		10/25/21 14:51	10/27/21 12:32	1
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 12:32	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 12:32	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 12:32	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 12:32	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 12:32	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 12:32	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D8
Date Collected: 10/21/21 10:49
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 12:32	1
Biphenyl	**0.77**	**J**	5.0	0.65	ug/L		10/25/21 14:51	10/27/21 12:32	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 12:32	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 12:32	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:32	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 12:32	1
Butyl benzyl phthalate	**1.1**	**J B**	5.0	1.0	ug/L		10/25/21 14:51	10/27/21 12:32	1
Caprolactam	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 12:32	1
Carbazole	**0.80**	**J**	5.0	0.30	ug/L		10/25/21 14:51	10/27/21 12:32	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 12:32	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 12:32	1
Dibenzofuran	**0.97**	**J**	10	0.51	ug/L		10/25/21 14:51	10/27/21 12:32	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 12:32	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 12:32	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 12:32	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 12:32	1
Fluoranthene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:32	1
Fluorene	**1.1**	**J**	5.0	0.36	ug/L		10/25/21 14:51	10/27/21 12:32	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 12:32	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 12:32	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 12:32	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 12:32	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 12:32	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 12:32	1
Naphthalene	**26**		5.0	0.76	ug/L		10/25/21 14:51	10/27/21 12:32	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 12:32	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 12:32	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 12:32	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 12:32	1
Phenanthrene	ND		5.0	0.44	ug/L		10/25/21 14:51	10/27/21 12:32	1
Phenol	ND		5.0	0.39	ug/L		10/25/21 14:51	10/27/21 12:32	1
Pyrene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*41 - 120*	*10/25/21 14:51*	*10/27/21 12:32*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/25/21 14:51*	*10/27/21 12:32*	*1*
2-Fluorophenol (Surr)	*58*		*35 - 120*	*10/25/21 14:51*	*10/27/21 12:32*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 120*	*10/25/21 14:51*	*10/27/21 12:32*	*1*
Phenol-d5 (Surr)	*44*		*22 - 120*	*10/25/21 14:51*	*10/27/21 12:32*	*1*
p-Terphenyl-d14 (Surr)	*93*		*60 - 148*	*10/25/21 14:51*	*10/27/21 12:32*	*1*

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW1U1
Date Collected: 10/22/21 08:55
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/27/21 19:55	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/27/21 19:55	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			10/27/21 19:55	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/27/21 19:55	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/27/21 19:55	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/27/21 19:55	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/27/21 19:55	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			10/27/21 19:55	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/27/21 19:55	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			10/27/21 19:55	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/27/21 19:55	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/27/21 19:55	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/27/21 19:55	2
1,3,5-Trimethylbenzene	**1.5**	**J**	2.0	1.5	ug/L			10/27/21 19:55	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/27/21 19:55	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/27/21 19:55	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/27/21 19:55	2
2-Hexanone	ND		10	2.5	ug/L			10/27/21 19:55	2
4-Isopropyltoluene	ND		2.0	0.62	ug/L			10/27/21 19:55	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/27/21 19:55	2
Acetone	ND		20	6.0	ug/L			10/27/21 19:55	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/27/21 19:55	2
Bromoform	ND		2.0	0.52	ug/L			10/27/21 19:55	2
Bromomethane	ND		2.0	1.4	ug/L			10/27/21 19:55	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/27/21 19:55	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/27/21 19:55	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/27/21 19:55	2
Chloroethane	ND		2.0	0.64	ug/L			10/27/21 19:55	2
Chloroform	ND		2.0	0.68	ug/L			10/27/21 19:55	2
Chloromethane	ND		2.0	0.70	ug/L			10/27/21 19:55	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			10/27/21 19:55	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/27/21 19:55	2
Cyclohexane	ND		2.0	0.36	ug/L			10/27/21 19:55	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/27/21 19:55	2
Dichlorodifluoromethane	ND	*+	2.0	1.4	ug/L			10/27/21 19:55	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/27/21 19:55	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/27/21 19:55	2
m,p-Xylene	**14**		4.0	1.3	ug/L			10/27/21 19:55	2
Methyl acetate	ND		5.0	2.6	ug/L			10/27/21 19:55	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/27/21 19:55	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/27/21 19:55	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/27/21 19:55	2
n-Butylbenzene	ND		2.0	1.3	ug/L			10/27/21 19:55	2
N-Propylbenzene	ND		2.0	1.4	ug/L			10/27/21 19:55	2
o-Xylene	**9.3**		2.0	1.5	ug/L			10/27/21 19:55	2
sec-Butylbenzene	ND		2.0	1.5	ug/L			10/27/21 19:55	2
Styrene	ND		2.0	1.5	ug/L			10/27/21 19:55	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			10/27/21 19:55	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/27/21 19:55	2

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW1U1

Date Collected: 10/22/21 08:55
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-12

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**29**		2.0	1.0	ug/L			10/27/21 19:55	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/27/21 19:55	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/27/21 19:55	2
Trichloroethene	ND		2.0	0.92	ug/L			10/27/21 19:55	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/27/21 19:55	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/27/21 19:55	2
Xylenes, Total	**23**		4.0	1.3	ug/L			10/27/21 19:55	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/27/21 19:55*	*2*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/27/21 19:55*	*2*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/27/21 19:55*	*2*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/27/21 19:55*	*2*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**280**		5.0	2.1	ug/L			10/28/21 13:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/28/21 13:41*	*5*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/28/21 13:41*	*5*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*10/28/21 13:41*	*5*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/28/21 13:41*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 12:59	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 12:59	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 12:59	1
2,4-Dimethylphenol	**3.4**	**J**	5.0	0.50	ug/L		10/25/21 14:51	10/27/21 12:59	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 12:59	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 12:59	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:59	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 12:59	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 12:59	1
2-Methylnaphthalene	**2.8**	**J**	5.0	0.60	ug/L		10/25/21 14:51	10/27/21 12:59	1
2-Methylphenol	**5.2**		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:59	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 12:59	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 12:59	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:59	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 12:59	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 12:59	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 12:59	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 12:59	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 12:59	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 12:59	1
4-Methylphenol	**9.9**	**J**	10	0.36	ug/L		10/25/21 14:51	10/27/21 12:59	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 12:59	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 12:59	1
Acenaphthene	**2.2**	**J**	5.0	0.41	ug/L		10/25/21 14:51	10/27/21 12:59	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW1U1
Date Collected: 10/22/21 08:55
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-12
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**2.1**	**J**	5.0	0.38	ug/L		10/25/21 14:51	10/27/21 12:59	1
Acetophenone	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 12:59	1
Anthracene	**0.95**	**J**	5.0	0.28	ug/L		10/25/21 14:51	10/27/21 12:59	1
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 12:59	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 12:59	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 12:59	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 12:59	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 12:59	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 12:59	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 12:59	1
Biphenyl	**0.74**	**J**	5.0	0.65	ug/L		10/25/21 14:51	10/27/21 12:59	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 12:59	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 12:59	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:59	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 12:59	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		10/25/21 14:51	10/27/21 12:59	1
Caprolactam	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 12:59	1
Carbazole	**5.5**		5.0	0.30	ug/L		10/25/21 14:51	10/27/21 12:59	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 12:59	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 12:59	1
Dibenzofuran	**2.5**	**J**	10	0.51	ug/L		10/25/21 14:51	10/27/21 12:59	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 12:59	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 12:59	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 12:59	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 12:59	1
Fluoranthene	**1.6**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 12:59	1
Fluorene	**4.2**	**J**	5.0	0.36	ug/L		10/25/21 14:51	10/27/21 12:59	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 12:59	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 12:59	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 12:59	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 12:59	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 12:59	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 12:59	1
Naphthalene	**53**		5.0	0.76	ug/L		10/25/21 14:51	10/27/21 12:59	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 12:59	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 12:59	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 12:59	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 12:59	1
Phenanthrene	**6.6**		5.0	0.44	ug/L		10/25/21 14:51	10/27/21 12:59	1
Phenol	ND		5.0	0.39	ug/L		10/25/21 14:51	10/27/21 12:59	1
Pyrene	**1.1**	**J**	5.0	0.34	ug/L		10/25/21 14:51	10/27/21 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*117*		*41 - 120*	*10/25/21 14:51*	*10/27/21 12:59*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/25/21 14:51*	*10/27/21 12:59*	*1*
2-Fluorophenol (Surr)	*57*		*35 - 120*	*10/25/21 14:51*	*10/27/21 12:59*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 120*	*10/25/21 14:51*	*10/27/21 12:59*	*1*
Phenol-d5 (Surr)	*44*		*22 - 120*	*10/25/21 14:51*	*10/27/21 12:59*	*1*
p-Terphenyl-d14 (Surr)	*92*		*60 - 148*	*10/25/21 14:51*	*10/27/21 12:59*	*1*

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-191356-1
Project/Site: Tecumseh - HWMU Groundwater

Client Sample ID: MWN-12
Lab Sample ID: 480-191356-13
Date Collected: 10/22/21 12:11
Matrix: Water
Date Received: 10/22/21 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/21 20:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/21 20:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/27/21 20:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/21 20:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/21 20:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/21 20:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/27/21 20:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/27/21 20:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/27/21 20:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/27/21 20:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/27/21 20:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/21 20:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/21 20:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/27/21 20:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/27/21 20:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/27/21 20:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/21 20:18	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/21 20:18	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/27/21 20:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/21 20:18	1
Acetone	ND		10	3.0	ug/L			10/27/21 20:18	1
Benzene	**2.0**		1.0	0.41	ug/L			10/27/21 20:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/21 20:18	1
Bromoform	ND		1.0	0.26	ug/L			10/27/21 20:18	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/21 20:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/21 20:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/21 20:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/21 20:18	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/21 20:18	1
Chloroform	ND		1.0	0.34	ug/L			10/27/21 20:18	1
Chloromethane	ND		1.0	0.35	ug/L			10/27/21 20:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/21 20:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/21 20:18	1
Cyclohexane	ND		1.0	0.18	ug/L			10/27/21 20:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/21 20:18	1
Dichlorodifluoromethane	ND	*+	1.0	0.68	ug/L			10/27/21 20:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/21 20:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/27/21 20:18	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/21 20:18	1
Methyl acetate	ND		2.5	1.3	ug/L			10/27/21 20:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/27/21 20:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/27/21 20:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/21 20:18	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/27/21 20:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/27/21 20:18	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/21 20:18	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/27/21 20:18	1
Styrene	ND		1.0	0.73	ug/L			10/27/21 20:18	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/27/21 20:18	1

Client Sample ID: MWN-12
Lab Sample ID: 480-191356-13
Date Collected: 10/22/21 12:11
Matrix: Water
Date Received: 10/22/21 15:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/21 20:18	1
Toluene	**0.68**	**J**	1.0	0.51	ug/L			10/27/21 20:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/21 20:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/21 20:18	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/21 20:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/27/21 20:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/21 20:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/21 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/27/21 20:18*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/27/21 20:18*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*10/27/21 20:18*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/27/21 20:18*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 13:26	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 13:26	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 13:26	1
2,4-Dimethylphenol	**0.82**	**J**	5.0	0.50	ug/L		10/25/21 14:51	10/27/21 13:26	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 13:26	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 13:26	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 13:26	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 13:26	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 13:26	1
2-Methylnaphthalene	**6.6**		5.0	0.60	ug/L		10/25/21 14:51	10/27/21 13:26	1
2-Methylphenol	**0.75**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 13:26	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 13:26	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 13:26	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 13:26	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 13:26	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 13:26	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 13:26	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 13:26	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 13:26	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 13:26	1
4-Methylphenol	**2.2**	**J**	10	0.36	ug/L		10/25/21 14:51	10/27/21 13:26	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 13:26	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 13:26	1
Acenaphthene	**2.9**	**J**	5.0	0.41	ug/L		10/25/21 14:51	10/27/21 13:26	1
Acenaphthylene	**3.2**	**J**	5.0	0.38	ug/L		10/25/21 14:51	10/27/21 13:26	1
Acetophenone	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 13:26	1
Anthracene	**2.3**	**J**	5.0	0.28	ug/L		10/25/21 14:51	10/27/21 13:26	1
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 13:26	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 13:26	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 13:26	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 13:26	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 13:26	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 13:26	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MWN-12
Date Collected: 10/22/21 12:11
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-13
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 13:26	1
Biphenyl	**1.7**	**J**	5.0	0.65	ug/L		10/25/21 14:51	10/27/21 13:26	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 13:26	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 13:26	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 13:26	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 13:26	1
Butyl benzyl phthalate	**1.1**	**J B**	5.0	1.0	ug/L		10/25/21 14:51	10/27/21 13:26	1
Caprolactam	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 13:26	1
Carbazole	**7.2**		5.0	0.30	ug/L		10/25/21 14:51	10/27/21 13:26	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 13:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 13:26	1
Dibenzofuran	**6.9**	**J**	10	0.51	ug/L		10/25/21 14:51	10/27/21 13:26	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 13:26	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 13:26	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 13:26	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 13:26	1
Fluoranthene	**4.6**	**J**	5.0	0.40	ug/L		10/25/21 14:51	10/27/21 13:26	1
Fluorene	**10**		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 13:26	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 13:26	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 13:26	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 13:26	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 13:26	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 13:26	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 13:26	1
Naphthalene	**34**		5.0	0.76	ug/L		10/25/21 14:51	10/27/21 13:26	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 13:26	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 13:26	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 13:26	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 13:26	1
Phenanthrene	**18**		5.0	0.44	ug/L		10/25/21 14:51	10/27/21 13:26	1
Phenol	ND		5.0	0.39	ug/L		10/25/21 14:51	10/27/21 13:26	1
Pyrene	**3.0**	**J**	5.0	0.34	ug/L		10/25/21 14:51	10/27/21 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*41 - 120*	*10/25/21 14:51*	*10/27/21 13:26*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*10/25/21 14:51*	*10/27/21 13:26*	*1*
2-Fluorophenol (Surr)	*55*		*35 - 120*	*10/25/21 14:51*	*10/27/21 13:26*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 120*	*10/25/21 14:51*	*10/27/21 13:26*	*1*
Phenol-d5 (Surr)	*41*		*22 - 120*	*10/25/21 14:51*	*10/27/21 13:26*	*1*
p-Terphenyl-d14 (Surr)	*90*		*60 - 148*	*10/25/21 14:51*	*10/27/21 13:26*	*1*

Surrogate Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-191356-1	MW-1D2	103	100	105	106
480-191356-2	MW-1D3	97	102	100	103
480-191356-3	MW-1D4	98	105	106	102
480-191356-4	MW-2D2	100	103	102	102
480-191356-5	MW-2D3	98	104	101	102
480-191356-5 MS	MW-2D3	94	102	99	107
480-191356-5 MSD	MW-2D3	95	103	98	107
480-191356-6	MW-2D4	101	101	103	102
480-191356-7	MWS11A	99	103	104	101
480-191356-8	MW-1D1	105	108	113	100
480-191356-9	MW-1D6	117	107	113	102
480-191356-10	MW-1D7	116	105	115	100
480-191356-11	MW-1D8	103	98	109	95
480-191356-12	MW1U1	104	99	105	97
480-191356-12 - DL	MW1U1	106	105	108	93
480-191356-13	MWN-12	111	99	113	97
LCS 480-602184/5	Lab Control Sample	104	106	114	99
LCS 480-602363/5	Lab Control Sample	103	106	114	104
LCS 480-602525/54	Lab Control Sample	91	101	100	108
MB 480-602184/7	Method Blank	118	110	122	98
MB 480-602363/7	Method Blank	105	99	106	89
MB 480-602525/8	Method Blank	97	94	100	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)
480-191356-1	MW-1D2	129 S1+	89	56	75	44	101
480-191356-1 - DL	MW-1D2	94	83	50	72	36	95
480-191356-2	MW-1D3	146 S1+	116	76	100	63	128
480-191356-3	MW-1D4	117	92	60	80	47	103
480-191356-4	MW-2D2	93	96	65	81	49	85
480-191356-5	MW-2D3	135 S1+	100	67	79	51	94
480-191356-5 - DL	MW-2D3	86	83	50	67	38	79
480-191356-6	MW-2D4	107	87	53	71	43	68
480-191356-7	MWS11A	103	83	52	69	40	89
480-191356-7 - DL	MWS11A	77	68	42	55	32	74
480-191356-8	MW-1D1	83	63	41	56	32	78
480-191356-9	MW-1D6	117	92	60	79	45	93
480-191356-10	MW-1D7	113	85	53	70	41	49 S1-
480-191356-11	MW-1D8	112	87	58	76	44	93
480-191356-12	MW1U1	117	87	57	74	44	92

Surrogate Summary

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-191356-1
Project/Site: Tecumseh - HWMU Groundwater

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL	TPHd14		
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)		
480-191356-13	MWN-12	105	86	55	72	41	90		
LCS 480-601930/2-A	Lab Control Sample	125 S1+	99	66	89	53	103		
MB 480-601930/1-A	Method Blank	112	100	68	88	53	111		

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-602184/7
Matrix: Water
Analysis Batch: 602184

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/21 11:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/21 11:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/27/21 11:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/21 11:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/21 11:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/21 11:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/27/21 11:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/27/21 11:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/27/21 11:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/27/21 11:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/27/21 11:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/21 11:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/21 11:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/27/21 11:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/27/21 11:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/27/21 11:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/21 11:43	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/21 11:43	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/27/21 11:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/21 11:43	1
Acetone	ND		10	3.0	ug/L			10/27/21 11:43	1
Benzene	ND		1.0	0.41	ug/L			10/27/21 11:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/21 11:43	1
Bromoform	ND		1.0	0.26	ug/L			10/27/21 11:43	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/21 11:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/21 11:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/21 11:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/21 11:43	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/21 11:43	1
Chloroform	ND		1.0	0.34	ug/L			10/27/21 11:43	1
Chloromethane	ND		1.0	0.35	ug/L			10/27/21 11:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/21 11:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/21 11:43	1
Cyclohexane	ND		1.0	0.18	ug/L			10/27/21 11:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/21 11:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/27/21 11:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/21 11:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/27/21 11:43	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/27/21 11:43	1
Methyl acetate	ND		2.5	1.3	ug/L			10/27/21 11:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/27/21 11:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/27/21 11:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/21 11:43	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/27/21 11:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/27/21 11:43	1
o-Xylene	ND		1.0	0.76	ug/L			10/27/21 11:43	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/27/21 11:43	1
Styrene	ND		1.0	0.73	ug/L			10/27/21 11:43	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-602184/7
Matrix: Water
Analysis Batch: 602184

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/27/21 11:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/21 11:43	1
Toluene	ND		1.0	0.51	ug/L			10/27/21 11:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/21 11:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/21 11:43	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/21 11:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/27/21 11:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/21 11:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/21 11:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*77 - 120*		*10/27/21 11:43*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*10/27/21 11:43*	*1*
Dibromofluoromethane (Surr)	*122*		*75 - 123*		*10/27/21 11:43*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/27/21 11:43*	*1*

Lab Sample ID: LCS 480-602184/5
Matrix: Water
Analysis Batch: 602184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.9		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.9		ug/L		108	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.6		ug/L		98	61 - 148
1,1,2-Trichloroethane	25.0	25.8		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	25.4		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	22.8		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	25.0	26.7		ug/L		107	79 - 122
1,2,4-Trimethylbenzene	25.0	27.7		ug/L		111	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	25.1		ug/L		100	56 - 134
1,2-Dibromoethane	25.0	23.9		ug/L		96	77 - 120
1,2-Dichlorobenzene	25.0	26.3		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	26.9		ug/L		108	75 - 120
1,2-Dichloropropane	25.0	23.9		ug/L		96	76 - 120
1,3,5-Trimethylbenzene	25.0	26.5		ug/L		106	77 - 121
1,3-Dichlorobenzene	25.0	26.6		ug/L		106	77 - 120
1,4-Dichlorobenzene	25.0	26.6		ug/L		106	80 - 120
2-Butanone (MEK)	125	156		ug/L		125	57 - 140
2-Hexanone	125	150		ug/L		120	65 - 127
4-Isopropyltoluene	25.0	27.7		ug/L		111	73 - 120
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		110	71 - 125
Acetone	125	176		ug/L		141	56 - 142
Benzene	25.0	23.2		ug/L		93	71 - 124
Bromodichloromethane	25.0	26.1		ug/L		105	80 - 122
Bromoform	25.0	25.5		ug/L		102	61 - 132
Bromomethane	25.0	26.7		ug/L		107	55 - 144
Carbon disulfide	25.0	22.0		ug/L		88	59 - 134
Carbon tetrachloride	25.0	26.7		ug/L		107	72 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-602184/5
Matrix: Water
Analysis Batch: 602184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	25.0	25.1		ug/L		100	80 - 120
Chloroethane	25.0	24.1		ug/L		96	69 - 136
Chloroform	25.0	28.0		ug/L		112	73 - 127
Chloromethane	25.0	29.2		ug/L		117	68 - 124
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	23.6		ug/L		94	74 - 124
Cyclohexane	25.0	24.2		ug/L		97	59 - 135
Dibromochloromethane	25.0	25.5		ug/L		102	75 - 125
Dichlorodifluoromethane	25.0	35.4	*+	ug/L		142	59 - 135
Ethylbenzene	25.0	25.9		ug/L		104	77 - 123
Isopropylbenzene	25.0	26.4		ug/L		106	77 - 122
m,p-Xylene	25.0	24.8		ug/L		99	76 - 122
Methyl acetate	50.0	62.5		ug/L		125	74 - 133
Methyl tert-butyl ether	25.0	27.1		ug/L		109	77 - 120
Methylcyclohexane	25.0	24.7		ug/L		99	68 - 134
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124
n-Butylbenzene	25.0	28.0		ug/L		112	71 - 128
N-Propylbenzene	25.0	26.9		ug/L		108	75 - 127
o-Xylene	25.0	25.6		ug/L		102	76 - 122
sec-Butylbenzene	25.0	26.3		ug/L		105	74 - 127
Styrene	25.0	26.5		ug/L		106	80 - 120
tert-Butylbenzene	25.0	25.0		ug/L		100	75 - 123
Tetrachloroethene	25.0	23.1		ug/L		92	74 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	24.4		ug/L		97	80 - 120
Trichloroethene	25.0	25.7		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	32.3		ug/L		129	62 - 150
Vinyl chloride	25.0	27.7		ug/L		111	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*114*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 480-602363/7
Matrix: Water
Analysis Batch: 602363

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/28/21 13:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/21 13:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/28/21 13:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/21 13:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/21 13:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/21 13:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/28/21 13:14	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-602363/7
Matrix: Water
Analysis Batch: 602363

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/28/21 13:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/28/21 13:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/28/21 13:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/28/21 13:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/21 13:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/21 13:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/28/21 13:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/28/21 13:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/28/21 13:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/21 13:14	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/21 13:14	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/28/21 13:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/28/21 13:14	1
Acetone	ND		10	3.0	ug/L			10/28/21 13:14	1
Benzene	ND		1.0	0.41	ug/L			10/28/21 13:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/21 13:14	1
Bromoform	ND		1.0	0.26	ug/L			10/28/21 13:14	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/21 13:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/21 13:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/21 13:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/21 13:14	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/21 13:14	1
Chloroform	ND		1.0	0.34	ug/L			10/28/21 13:14	1
Chloromethane	ND		1.0	0.35	ug/L			10/28/21 13:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/21 13:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/21 13:14	1
Cyclohexane	ND		1.0	0.18	ug/L			10/28/21 13:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/21 13:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/28/21 13:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/21 13:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/28/21 13:14	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/28/21 13:14	1
Methyl acetate	ND		2.5	1.3	ug/L			10/28/21 13:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/28/21 13:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/28/21 13:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/21 13:14	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/28/21 13:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/28/21 13:14	1
o-Xylene	ND		1.0	0.76	ug/L			10/28/21 13:14	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/28/21 13:14	1
Styrene	ND		1.0	0.73	ug/L			10/28/21 13:14	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/28/21 13:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/21 13:14	1
Toluene	ND		1.0	0.51	ug/L			10/28/21 13:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/21 13:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/21 13:14	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/21 13:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/28/21 13:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/21 13:14	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-602363/7
Matrix: Water
Analysis Batch: 602363

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			10/28/21 13:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/28/21 13:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/28/21 13:14*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/28/21 13:14*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*10/28/21 13:14*	*1*

Lab Sample ID: LCS 480-602363/5
Matrix: Water
Analysis Batch: 602363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.2		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.7		ug/L		107	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.3		ug/L		101	61 - 148
1,1,2-Trichloroethane	25.0	26.4		ug/L		106	76 - 122
1,1-Dichloroethane	25.0	24.6		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	22.5		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	79 - 122
1,2,4-Trimethylbenzene	25.0	27.4		ug/L		110	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	28.0		ug/L		112	56 - 134
1,2-Dibromoethane	25.0	25.4		ug/L		101	77 - 120
1,2-Dichlorobenzene	25.0	25.6		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	27.7		ug/L		111	75 - 120
1,2-Dichloropropane	25.0	23.6		ug/L		94	76 - 120
1,3,5-Trimethylbenzene	25.0	26.0		ug/L		104	77 - 121
1,3-Dichlorobenzene	25.0	26.9		ug/L		108	77 - 120
1,4-Dichlorobenzene	25.0	26.8		ug/L		107	80 - 120
2-Butanone (MEK)	125	141		ug/L		112	57 - 140
2-Hexanone	125	142		ug/L		114	65 - 127
4-Isopropyltoluene	25.0	26.7		ug/L		107	73 - 120
4-Methyl-2-pentanone (MIBK)	125	140		ug/L		112	71 - 125
Acetone	125	159		ug/L		127	56 - 142
Benzene	25.0	23.0		ug/L		92	71 - 124
Bromodichloromethane	25.0	27.9		ug/L		112	80 - 122
Bromoform	25.0	26.6		ug/L		107	61 - 132
Bromomethane	25.0	26.7		ug/L		107	55 - 144
Carbon disulfide	25.0	21.0		ug/L		84	59 - 134
Carbon tetrachloride	25.0	27.4		ug/L		110	72 - 134
Chlorobenzene	25.0	25.9		ug/L		104	80 - 120
Chloroethane	25.0	25.2		ug/L		101	69 - 136
Chloroform	25.0	27.2		ug/L		109	73 - 127
Chloromethane	25.0	30.2		ug/L		121	68 - 124
cis-1,2-Dichloroethene	25.0	23.6		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	23.3		ug/L		93	74 - 124
Cyclohexane	25.0	23.6		ug/L		94	59 - 135
Dibromochloromethane	25.0	27.0		ug/L		108	75 - 125

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-602363/5
Matrix: Water
Analysis Batch: 602363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	25.0	31.4		ug/L		125	59 - 135
Ethylbenzene	25.0	25.4		ug/L		101	77 - 123
Isopropylbenzene	25.0	26.6		ug/L		106	77 - 122
m,p-Xylene	25.0	24.4		ug/L		98	76 - 122
Methyl acetate	50.0	45.8		ug/L		92	74 - 133
Methyl tert-butyl ether	25.0	24.2		ug/L		97	77 - 120
Methylcyclohexane	25.0	23.7		ug/L		95	68 - 134
Methylene Chloride	25.0	24.6		ug/L		99	75 - 124
n-Butylbenzene	25.0	27.5		ug/L		110	71 - 128
N-Propylbenzene	25.0	26.6		ug/L		106	75 - 127
o-Xylene	25.0	25.6		ug/L		102	76 - 122
sec-Butylbenzene	25.0	26.1		ug/L		104	74 - 127
Styrene	25.0	26.6		ug/L		106	80 - 120
tert-Butylbenzene	25.0	26.3		ug/L		105	75 - 123
Tetrachloroethene	25.0	24.6		ug/L		98	74 - 122
Toluene	25.0	25.6		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127
trans-1,3-Dichloropropene	25.0	25.9		ug/L		103	80 - 120
Trichloroethene	25.0	26.3		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	32.5		ug/L		130	62 - 150
Vinyl chloride	25.0	26.2		ug/L		105	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*114*		*75 - 123*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 480-602525/8
Matrix: Water
Analysis Batch: 602525

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/29/21 00:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/29/21 00:06	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/29/21 00:06	1
Benzene	ND		1.0	0.41	ug/L			10/29/21 00:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/29/21 00:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/29/21 00:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/29/21 00:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/29/21 00:06	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/29/21 00:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/29/21 00:06	1
o-Xylene	ND		1.0	0.76	ug/L			10/29/21 00:06	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/29/21 00:06	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/29/21 00:06	1
Toluene	ND		1.0	0.51	ug/L			10/29/21 00:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/29/21 00:06	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-602525/8
Matrix: Water
Analysis Batch: 602525

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		10/29/21 00:06	1
4-Bromofluorobenzene (Surr)	94		73 - 120		10/29/21 00:06	1
Dibromofluoromethane (Surr)	100		75 - 123		10/29/21 00:06	1
Toluene-d8 (Surr)	102		80 - 120		10/29/21 00:06	1

Lab Sample ID: LCS 480-602525/54
Matrix: Water
Analysis Batch: 602525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	25.0	26.4		ug/L		106	76 - 121
1,3,5-Trimethylbenzene	25.0	26.5		ug/L		106	77 - 121
4-Isopropyltoluene	25.0	28.1		ug/L		112	73 - 120
Benzene	25.0	27.0		ug/L		108	71 - 124
Ethylbenzene	25.0	27.3		ug/L		109	77 - 123
Isopropylbenzene	25.0	26.3		ug/L		105	77 - 122
m-Xylene & p-Xylene	25.0	27.6		ug/L		110	76 - 122
Methyl tert-butyl ether	25.0	23.9		ug/L		96	77 - 120
n-Butylbenzene	25.0	29.3		ug/L		117	71 - 128
N-Propylbenzene	25.0	27.1		ug/L		108	75 - 127
o-Xylene	25.0	27.7		ug/L		111	76 - 122
sec-Butylbenzene	25.0	28.5		ug/L		114	74 - 127
tert-Butylbenzene	25.0	27.7		ug/L		111	75 - 123
Toluene	25.0	28.1		ug/L		112	80 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	100		75 - 123
Toluene-d8 (Surr)	108		80 - 120

Lab Sample ID: 480-191356-5 MS
Matrix: Water
Analysis Batch: 602525

Client Sample ID: MW-2D3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	ND		125	145		ug/L		116	76 - 121
1,3,5-Trimethylbenzene	ND		125	145		ug/L		116	77 - 121
4-Isopropyltoluene	ND		125	147		ug/L		118	73 - 120
Benzene	9.8		125	161		ug/L		121	71 - 124
Ethylbenzene	ND	F1	125	157	F1	ug/L		126	77 - 123
Isopropylbenzene	ND		125	143		ug/L		114	77 - 122
m-Xylene & p-Xylene	9.1	J F1	125	169	F1	ug/L		128	76 - 122
Methyl tert-butyl ether	ND		125	134		ug/L		107	77 - 120
n-Butylbenzene	ND		125	150		ug/L		120	71 - 128
N-Propylbenzene	ND		125	146		ug/L		117	75 - 127
o-Xylene	5.6	F1	125	161	F1	ug/L		125	76 - 122
sec-Butylbenzene	ND		125	149		ug/L		120	74 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-191356-5 MS
Matrix: Water
Analysis Batch: 602525

Client Sample ID: MW-2D3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	ND		125	149		ug/L		119	75 - 123
Toluene	6.0	F1	125	162	F1	ug/L		125	80 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: 480-191356-5 MSD
Matrix: Water
Analysis Batch: 602525

Client Sample ID: MW-2D3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	ND		125	137		ug/L		110	76 - 121	6	20
1,3,5-Trimethylbenzene	ND		125	137		ug/L		110	77 - 121	5	20
4-Isopropyltoluene	ND		125	139		ug/L		111	73 - 120	6	20
Benzene	9.8		125	157		ug/L		118	71 - 124	3	13
Ethylbenzene	ND	F1	125	152		ug/L		122	77 - 123	3	15
Isopropylbenzene	ND		125	136		ug/L		109	77 - 122	5	20
m-Xylene & p-Xylene	9.1	J F1	125	163	F1	ug/L		123	76 - 122	3	16
Methyl tert-butyl ether	ND		125	133		ug/L		106	77 - 120	1	37
n-Butylbenzene	ND		125	142		ug/L		114	71 - 128	5	15
N-Propylbenzene	ND		125	140		ug/L		112	75 - 127	5	15
o-Xylene	5.6	F1	125	156		ug/L		120	76 - 122	3	16
sec-Butylbenzene	ND		125	141		ug/L		113	74 - 127	6	15
tert-Butylbenzene	ND		125	142		ug/L		114	75 - 123	5	15
Toluene	6.0	F1	125	156		ug/L		120	80 - 122	4	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*
Toluene-d8 (Surr)	*107*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-601930/1-A
Matrix: Water
Analysis Batch: 602076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601930

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 00:43	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/25/21 14:51	10/27/21 00:43	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 00:43	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/25/21 14:51	10/27/21 00:43	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 00:43	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 00:43	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-601930/1-A
Matrix: Water
Analysis Batch: 602076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601930

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 00:43	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 00:43	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/25/21 14:51	10/27/21 00:43	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/25/21 14:51	10/27/21 00:43	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 00:43	1
2-Nitroaniline	ND		10	0.42	ug/L		10/25/21 14:51	10/27/21 00:43	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/25/21 14:51	10/27/21 00:43	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 00:43	1
3-Nitroaniline	ND		10	0.48	ug/L		10/25/21 14:51	10/27/21 00:43	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 00:43	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 00:43	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/25/21 14:51	10/27/21 00:43	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 00:43	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 00:43	1
4-Methylphenol	ND		10	0.36	ug/L		10/25/21 14:51	10/27/21 00:43	1
4-Nitroaniline	ND		10	0.25	ug/L		10/25/21 14:51	10/27/21 00:43	1
4-Nitrophenol	ND		10	1.5	ug/L		10/25/21 14:51	10/27/21 00:43	1
Acenaphthene	ND		5.0	0.41	ug/L		10/25/21 14:51	10/27/21 00:43	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/25/21 14:51	10/27/21 00:43	1
Acetophenone	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 00:43	1
Anthracene	ND		5.0	0.28	ug/L		10/25/21 14:51	10/27/21 00:43	1
Atrazine	ND		5.0	0.46	ug/L		10/25/21 14:51	10/27/21 00:43	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/25/21 14:51	10/27/21 00:43	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 00:43	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 00:43	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 00:43	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 00:43	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/25/21 14:51	10/27/21 00:43	1
Biphenyl	ND		5.0	0.65	ug/L		10/25/21 14:51	10/27/21 00:43	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/25/21 14:51	10/27/21 00:43	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/25/21 14:51	10/27/21 00:43	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 00:43	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 00:43	1
Butyl benzyl phthalate	1.12	J	5.0	1.0	ug/L		10/25/21 14:51	10/27/21 00:43	1
Caprolactam	ND		5.0	2.2	ug/L		10/25/21 14:51	10/27/21 00:43	1
Carbazole	ND		5.0	0.30	ug/L		10/25/21 14:51	10/27/21 00:43	1
Chrysene	ND		5.0	0.33	ug/L		10/25/21 14:51	10/27/21 00:43	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/25/21 14:51	10/27/21 00:43	1
Dibenzofuran	ND		10	0.51	ug/L		10/25/21 14:51	10/27/21 00:43	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/25/21 14:51	10/27/21 00:43	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 00:43	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/25/21 14:51	10/27/21 00:43	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 00:43	1
Fluoranthene	ND		5.0	0.40	ug/L		10/25/21 14:51	10/27/21 00:43	1
Fluorene	ND		5.0	0.36	ug/L		10/25/21 14:51	10/27/21 00:43	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 00:43	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/25/21 14:51	10/27/21 00:43	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 00:43	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/25/21 14:51	10/27/21 00:43	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-601930/1-A
Matrix: Water
Analysis Batch: 602076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601930

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/25/21 14:51	10/27/21 00:43	1
Isophorone	ND		5.0	0.43	ug/L		10/25/21 14:51	10/27/21 00:43	1
Naphthalene	ND		5.0	0.76	ug/L		10/25/21 14:51	10/27/21 00:43	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/25/21 14:51	10/27/21 00:43	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/25/21 14:51	10/27/21 00:43	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/25/21 14:51	10/27/21 00:43	1
Pentachlorophenol	ND		10	2.2	ug/L		10/25/21 14:51	10/27/21 00:43	1
Phenanthrene	ND		5.0	0.44	ug/L		10/25/21 14:51	10/27/21 00:43	1
Phenol	ND		5.0	0.39	ug/L		10/25/21 14:51	10/27/21 00:43	1
Pyrene	ND		5.0	0.34	ug/L		10/25/21 14:51	10/27/21 00:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*41 - 120*	*10/25/21 14:51*	*10/27/21 00:43*	*1*
2-Fluorobiphenyl	*100*		*48 - 120*	*10/25/21 14:51*	*10/27/21 00:43*	*1*
2-Fluorophenol (Surr)	*68*		*35 - 120*	*10/25/21 14:51*	*10/27/21 00:43*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 120*	*10/25/21 14:51*	*10/27/21 00:43*	*1*
Phenol-d5 (Surr)	*53*		*22 - 120*	*10/25/21 14:51*	*10/27/21 00:43*	*1*
p-Terphenyl-d14 (Surr)	*111*		*60 - 148*	*10/25/21 14:51*	*10/27/21 00:43*	*1*

Lab Sample ID: LCS 480-601930/2-A
Matrix: Water
Analysis Batch: 602076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	32.0	34.2		ug/L		107	65 - 126
2,4,6-Trichlorophenol	32.0	32.6		ug/L		102	64 - 120
2,4-Dichlorophenol	32.0	31.0		ug/L		97	63 - 120
2,4-Dimethylphenol	32.0	33.2		ug/L		104	47 - 120
2,4-Dinitrophenol	64.0	82.2		ug/L		128	31 - 137
2,4-Dinitrotoluene	32.0	38.0		ug/L		119	69 - 120
2,6-Dinitrotoluene	32.0	35.6		ug/L		111	68 - 120
2-Chloronaphthalene	32.0	30.4		ug/L		95	58 - 120
2-Chlorophenol	32.0	27.5		ug/L		86	48 - 120
2-Methylnaphthalene	32.0	30.8		ug/L		96	59 - 120
2-Methylphenol	32.0	27.2		ug/L		85	39 - 120
2-Nitroaniline	32.0	33.7		ug/L		105	54 - 127
2-Nitrophenol	32.0	33.0		ug/L		103	52 - 125
3,3'-Dichlorobenzidine	64.0	74.6		ug/L		117	49 - 135
3-Nitroaniline	32.0	31.8		ug/L		99	51 - 120
4,6-Dinitro-2-methylphenol	64.0	77.0		ug/L		120	46 - 136
4-Bromophenyl phenyl ether	32.0	35.7		ug/L		112	65 - 120
4-Chloro-3-methylphenol	32.0	36.3		ug/L		113	61 - 123
4-Chloroaniline	32.0	29.6		ug/L		92	30 - 120
4-Chlorophenyl phenyl ether	32.0	33.8		ug/L		106	62 - 120
4-Methylphenol	32.0	26.7		ug/L		83	29 - 131
4-Nitroaniline	32.0	35.9		ug/L		112	65 - 120
4-Nitrophenol	64.0	55.5		ug/L		87	45 - 120
Acenaphthene	32.0	31.2		ug/L		98	60 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-601930/2-A
Matrix: Water
Analysis Batch: 602076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	32.0	34.2		ug/L		107	63 - 120
Acetophenone	32.0	29.5		ug/L		92	45 - 120
Anthracene	32.0	33.6		ug/L		105	67 - 120
Atrazine	64.0	79.6		ug/L		124	71 - 130
Benzaldehyde	64.0	52.4		ug/L		82	10 - 140
Benzo[a]anthracene	32.0	32.6		ug/L		102	70 - 121
Benzo[a]pyrene	32.0	30.6		ug/L		95	60 - 123
Benzo[b]fluoranthene	32.0	31.5		ug/L		98	66 - 126
Benzo[g,h,i]perylene	32.0	33.1		ug/L		104	66 - 150
Benzo[k]fluoranthene	32.0	30.7		ug/L		96	65 - 124
Biphenyl	32.0	30.9		ug/L		97	59 - 120
bis (2-chloroisopropyl) ether	32.0	18.3		ug/L		57	21 - 136
Bis(2-chloroethoxy)methane	32.0	28.8		ug/L		90	50 - 128
Bis(2-chloroethyl)ether	32.0	25.8		ug/L		81	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	32.9		ug/L		103	63 - 139
Butyl benzyl phthalate	32.0	34.6		ug/L		108	70 - 129
Caprolactam	64.0	25.7		ug/L		40	22 - 120
Carbazole	32.0	37.5		ug/L		117	66 - 123
Chrysene	32.0	32.7		ug/L		102	69 - 120
Dibenz(a,h)anthracene	32.0	32.4		ug/L		101	65 - 135
Dibenzofuran	32.0	32.7		ug/L		102	66 - 120
Diethyl phthalate	32.0	37.8		ug/L		118	59 - 127
Dimethyl phthalate	32.0	36.8		ug/L		115	68 - 120
Di-n-butyl phthalate	32.0	38.5		ug/L		120	69 - 131
Di-n-octyl phthalate	32.0	36.0		ug/L		113	63 - 140
Fluoranthene	32.0	36.9		ug/L		115	69 - 126
Fluorene	32.0	33.3		ug/L		104	66 - 120
Hexachlorobenzene	32.0	37.3		ug/L		117	61 - 120
Hexachlorobutadiene	32.0	30.9		ug/L		96	35 - 120
Hexachlorocyclopentadiene	32.0	19.9		ug/L		62	31 - 120
Hexachloroethane	32.0	23.6		ug/L		74	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	32.7		ug/L		102	69 - 146
Isophorone	32.0	30.4		ug/L		95	55 - 120
Naphthalene	32.0	28.5		ug/L		89	57 - 120
Nitrobenzene	32.0	28.7		ug/L		90	53 - 123
N-Nitrosodi-n-propylamine	32.0	29.6		ug/L		93	32 - 140
N-Nitrosodiphenylamine	32.0	32.5		ug/L		102	61 - 120
Pentachlorophenol	64.0	60.2		ug/L		94	29 - 136
Phenanthrene	32.0	34.8		ug/L		109	68 - 120
Phenol	32.0	16.9		ug/L		53	17 - 120
Pyrene	32.0	32.6		ug/L		102	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*125*	*S1+*	*41 - 120*
2-Fluorobiphenyl	*99*		*48 - 120*
2-Fluorophenol (Surr)	*66*		*35 - 120*
Nitrobenzene-d5 (Surr)	*89*		*46 - 120*
Phenol-d5 (Surr)	*53*		*22 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-601930/2-A
Matrix: Water
Analysis Batch: 602076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601930

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl-d14 (Surr)	103		60 - 148

GC/MS VOA

Analysis Batch: 602184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191356-8	MW-1D1	Total/NA	Water	8260C	
480-191356-9	MW-1D6	Total/NA	Water	8260C	
480-191356-10	MW-1D7	Total/NA	Water	8260C	
480-191356-11	MW-1D8	Total/NA	Water	8260C	
480-191356-12	MW1U1	Total/NA	Water	8260C	
480-191356-13	MWN-12	Total/NA	Water	8260C	
MB 480-602184/7	Method Blank	Total/NA	Water	8260C	
LCS 480-602184/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 602363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191356-12 - DL	MW1U1	Total/NA	Water	8260C	
MB 480-602363/7	Method Blank	Total/NA	Water	8260C	
LCS 480-602363/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 602525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191356-1	MW-1D2	Total/NA	Water	8260C	
480-191356-2	MW-1D3	Total/NA	Water	8260C	
480-191356-3	MW-1D4	Total/NA	Water	8260C	
480-191356-4	MW-2D2	Total/NA	Water	8260C	
480-191356-5	MW-2D3	Total/NA	Water	8260C	
480-191356-6	MW-2D4	Total/NA	Water	8260C	
480-191356-7	MWS11A	Total/NA	Water	8260C	
MB 480-602525/8	Method Blank	Total/NA	Water	8260C	
LCS 480-602525/54	Lab Control Sample	Total/NA	Water	8260C	
480-191356-5 MS	MW-2D3	Total/NA	Water	8260C	
480-191356-5 MSD	MW-2D3	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 601930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191356-1 - DL	MW-1D2	Total/NA	Water	3510C	
480-191356-1	MW-1D2	Total/NA	Water	3510C	
480-191356-2	MW-1D3	Total/NA	Water	3510C	
480-191356-3	MW-1D4	Total/NA	Water	3510C	
480-191356-4	MW-2D2	Total/NA	Water	3510C	
480-191356-5	MW-2D3	Total/NA	Water	3510C	
480-191356-5 - DL	MW-2D3	Total/NA	Water	3510C	
480-191356-6	MW-2D4	Total/NA	Water	3510C	
480-191356-7 - DL	MWS11A	Total/NA	Water	3510C	
480-191356-7	MWS11A	Total/NA	Water	3510C	
480-191356-8	MW-1D1	Total/NA	Water	3510C	
480-191356-9	MW-1D6	Total/NA	Water	3510C	
480-191356-10	MW-1D7	Total/NA	Water	3510C	
480-191356-11	MW-1D8	Total/NA	Water	3510C	
480-191356-12	MW1U1	Total/NA	Water	3510C	
480-191356-13	MWN-12	Total/NA	Water	3510C	
MB 480-601930/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-601930/2-A	Lab Control Sample	Total/NA	Water	3510C	

GC/MS Semi VOA

Analysis Batch: 602076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-601930/1-A	Method Blank	Total/NA	Water	8270D	601930
LCS 480-601930/2-A	Lab Control Sample	Total/NA	Water	8270D	601930

Analysis Batch: 602108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191356-1	MW-1D2	Total/NA	Water	8270D	601930
480-191356-2	MW-1D3	Total/NA	Water	8270D	601930
480-191356-3	MW-1D4	Total/NA	Water	8270D	601930
480-191356-4	MW-2D2	Total/NA	Water	8270D	601930
480-191356-5	MW-2D3	Total/NA	Water	8270D	601930
480-191356-6	MW-2D4	Total/NA	Water	8270D	601930
480-191356-7	MWS11A	Total/NA	Water	8270D	601930
480-191356-8	MW-1D1	Total/NA	Water	8270D	601930
480-191356-9	MW-1D6	Total/NA	Water	8270D	601930
480-191356-10	MW-1D7	Total/NA	Water	8270D	601930
480-191356-11	MW-1D8	Total/NA	Water	8270D	601930
480-191356-12	MW1U1	Total/NA	Water	8270D	601930
480-191356-13	MWN-12	Total/NA	Water	8270D	601930

Analysis Batch: 602446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191356-1 - DL	MW-1D2	Total/NA	Water	8270D	601930
480-191356-5 - DL	MW-2D3	Total/NA	Water	8270D	601930
480-191356-7 - DL	MWS11A	Total/NA	Water	8270D	601930

Lab Chronicle

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D2
Date Collected: 10/22/21 09:40
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	602525	10/29/21 01:39	LCH	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		1	602108	10/27/21 07:59	PJQ	TAL BUF
Total/NA	Prep	3510C	DL		601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D	DL	10	602446	10/29/21 23:46	RJS	TAL BUF

Client Sample ID: MW-1D3
Date Collected: 10/22/21 10:12
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	602525	10/29/21 02:01	LCH	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		5	602108	10/27/21 08:26	PJQ	TAL BUF

Client Sample ID: MW-1D4
Date Collected: 10/22/21 10:40
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	602525	10/29/21 02:25	LCH	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		1	602108	10/27/21 08:53	PJQ	TAL BUF

Client Sample ID: MW-2D2
Date Collected: 10/22/21 11:34
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	602525	10/29/21 02:48	LCH	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		1	602108	10/27/21 09:21	PJQ	TAL BUF

Client Sample ID: MW-2D3
Date Collected: 10/22/21 12:00
Date Received: 10/22/21 15:30

Lab Sample ID: 480-191356-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	602525	10/29/21 03:11	LCH	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		1	602108	10/27/21 09:48	PJQ	TAL BUF
Total/NA	Prep	3510C	DL		601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D	DL	5	602446	10/30/21 00:14	RJS	TAL BUF

Lab Chronicle

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-2D4

Lab Sample ID: 480-191356-6

Date Collected: 10/22/21 12:25
Date Received: 10/22/21 15:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	602525	10/29/21 03:34	LCH	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		1	602108	10/27/21 10:15	PJQ	TAL BUF

Client Sample ID: MWS11A

Lab Sample ID: 480-191356-7

Date Collected: 10/22/21 12:52
Date Received: 10/22/21 15:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	602525	10/29/21 03:58	LCH	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		1	602108	10/27/21 10:43	PJQ	TAL BUF
Total/NA	Prep	3510C	DL		601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D	DL	5	602446	10/30/21 00:42	RJS	TAL BUF

Client Sample ID: MW-1D1

Lab Sample ID: 480-191356-8

Date Collected: 10/21/21 13:05
Date Received: 10/22/21 15:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	602184	10/27/21 18:24	AXK	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		1	602108	10/27/21 11:10	PJQ	TAL BUF

Client Sample ID: MW-1D6

Lab Sample ID: 480-191356-9

Date Collected: 10/21/21 09:03
Date Received: 10/22/21 15:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	602184	10/27/21 18:47	AXK	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		1	602108	10/27/21 11:37	PJQ	TAL BUF

Client Sample ID: MW-1D7

Lab Sample ID: 480-191356-10

Date Collected: 10/21/21 09:41
Date Received: 10/22/21 15:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	602184	10/27/21 19:09	AXK	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		1	602108	10/27/21 12:04	PJQ	TAL BUF

Lab Chronicle

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Client Sample ID: MW-1D8

Lab Sample ID: 480-191356-11

Date Collected: 10/21/21 10:49

Matrix: Water

Date Received: 10/22/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	602184	10/27/21 19:32	AXK	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		1	602108	10/27/21 12:32	PJQ	TAL BUF

Client Sample ID: MW1U1

Lab Sample ID: 480-191356-12

Date Collected: 10/22/21 08:55

Matrix: Water

Date Received: 10/22/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	602184	10/27/21 19:55	AXK	TAL BUF
Total/NA	Analysis	8260C	DL	5	602363	10/28/21 13:41	LCH	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		1	602108	10/27/21 12:59	PJQ	TAL BUF

Client Sample ID: MWN-12

Lab Sample ID: 480-191356-13

Date Collected: 10/22/21 12:11

Matrix: Water

Date Received: 10/22/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	602184	10/27/21 20:18	AXK	TAL BUF
Total/NA	Prep	3510C			601930	10/25/21 14:51	CMC	TAL BUF
Total/NA	Analysis	8270D		1	602108	10/27/21 13:26	PJQ	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-191356-1
Project/Site: Tecumseh - HWMU Groundwater

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

Method Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Tecumseh - HWMU Groundwater

Job ID: 480-191356-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-191356-1	MW-1D2	Water	10/22/21 09:40	10/22/21 15:30
480-191356-2	MW-1D3	Water	10/22/21 10:12	10/22/21 15:30
480-191356-3	MW-1D4	Water	10/22/21 10:40	10/22/21 15:30
480-191356-4	MW-2D2	Water	10/22/21 11:34	10/22/21 15:30
480-191356-5	MW-2D3	Water	10/22/21 12:00	10/22/21 15:30
480-191356-6	MW-2D4	Water	10/22/21 12:25	10/22/21 15:30
480-191356-7	MWS11A	Water	10/22/21 12:52	10/22/21 15:30
480-191356-8	MW-1D1	Water	10/21/21 13:05	10/22/21 15:30
480-191356-9	MW-1D6	Water	10/21/21 09:03	10/22/21 15:30
480-191356-10	MW-1D7	Water	10/21/21 09:41	10/22/21 15:30
480-191356-11	MW-1D8	Water	10/21/21 10:49	10/22/21 15:30
480-191356-12	MW1U1	Water	10/22/21 08:55	10/22/21 15:30
480-191356-13	MWN-12	Water	10/22/21 12:11	10/22/21 15:30

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: RLO	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-165682-36294.1
Client Contact: Mr. Brock Greene	Phone:	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: Page 1 of 2
Company: Turnkey Environmental Restoration, LLC	PWSID:			Job #:
Address: 2558 Hamburg Turnpike Suite 300	Due Date Requested:			
City: Lackawanna	TAT Requested (days):			
State, Zip: NY, 14218	Compliance Project: Δ Yes Δ No			
Phone: 716-225-3314(Tel)	PO #: Purchase Order Requested			
Email: bgreene@bm-tk.com	WO #:			
Project Name: Tecumseh - HWMU Groundwater	Project #: 48022794			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: M - Hexane; L - EDA; Z - other (specify); Other:

480-191356 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - TCL SVOA - OLM04.2	8260C - (MOD) CP-51 (STARS) - naphthalene	8260C - (MOD) TCL list OLM04.2 + Stars - Naphthalene	Total Number of containe	Special Instructions/Note:
			Preservation Code:				N	A	A		
MW-1D2	10-22-21	0940		Water			X	X			
MW-1D3	10-22-21	1012	G	Water			X	X			
MW-1D4	10-22-21	1040	G	Water			X	X			
MW2D2	10-22-21	1134	G	Water			X	X			
MW2D3	10-22-21	1200	G	Water			X	X			
MW2D4	10-22-21	1225	G	Water			X	X			
MWS11A	10-22-21	1252	G	Water			X	X			
MW-1D1	10-21-21	1305	G	Water			X		X		
MW-1D6	10-21-21	0903	G	Water			X		X		
MW-1D7	10-21-21	0941	G	Water			X		X		
MW-1D8	10-21-21	1049	G	Water			X		X		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				Christine Cikolb	10/22/21 1530	TA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: #1 2.8

Ver: 06/08/2021

11/3/2021

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: RLD	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-165682-36294.2
Client Contact: Mr. Brock Greene	Phone:	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin:	Page: Page 2 of 2
Company: Turnkey Environmental Restoration, LLC	PWSID:			Job #:
Address: 2558 Hamburg Turnpike Suite 300	Due Date Requested:			
City: Lackawanna	TAT Requested (days):			
State, Zip: NY, 14218	Compliance Project: Δ Yes Δ No			
Phone: 716-225-3314(Tel)	PO #: Purchase Order Requested			
Email: bgreene@bm-tk.com	WO #:			
Project Name: Tecumseh - HWMU Groundwater	Project #: 48022794			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - TCL SVOA - OLM04.2	8260C - (MOD) CP-51 (STARS) - naphthalene	8260C - (MOD) TCL list OLM04.2 + Stars - Naphthalene	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	A	A		
MW1U1	10-22-21	0935	G	Water			X		X		
MWN-12	10-22-21	1211	G	Water			X		X		
TRIP BLANK				Water					X		Hold
TRIP BLANK				Water							

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by: PSI	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

11/3/2021

Login Sample Receipt Checklist

Client: Turnkey Environmental Restoration, LLC

Job Number: 480-191356-1

Login Number: 191356
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ATTACHMENT 3

TIME-CONCENTRATION PLOTS

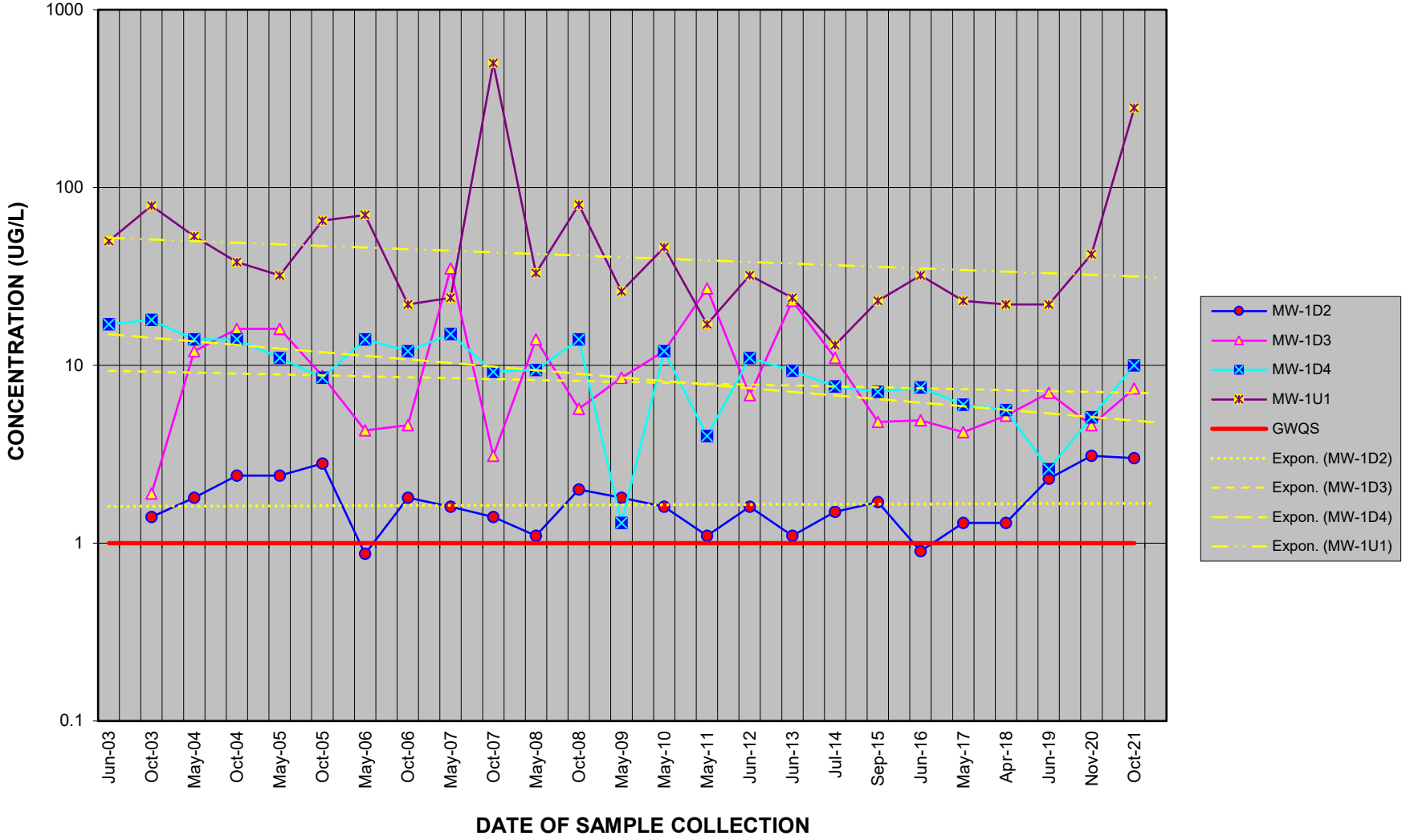
ATTACHMENT 3A

TIME-CONCENTRATION PLOTS

HWMU-1A

BENZENE

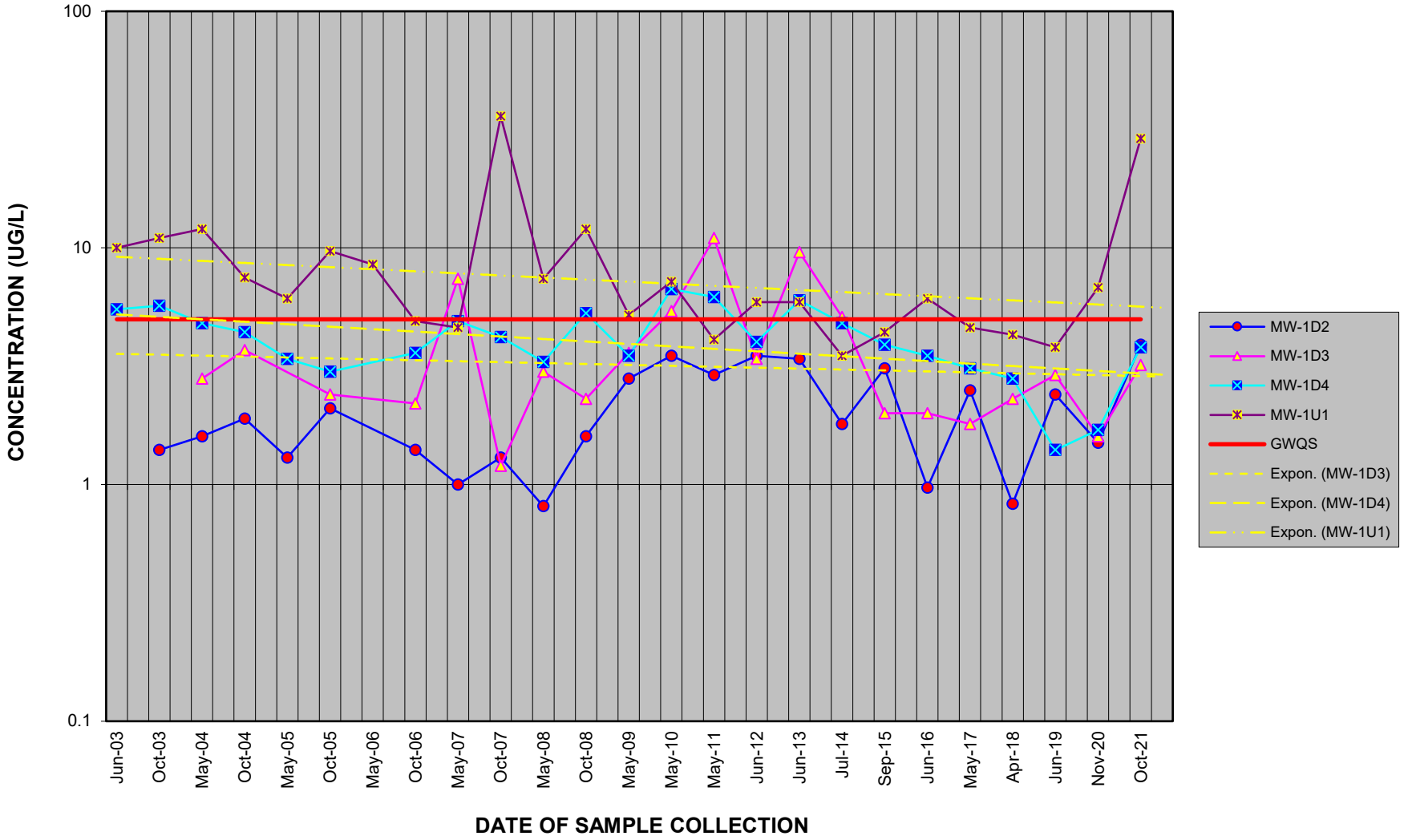
HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY



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.

TOLUENE

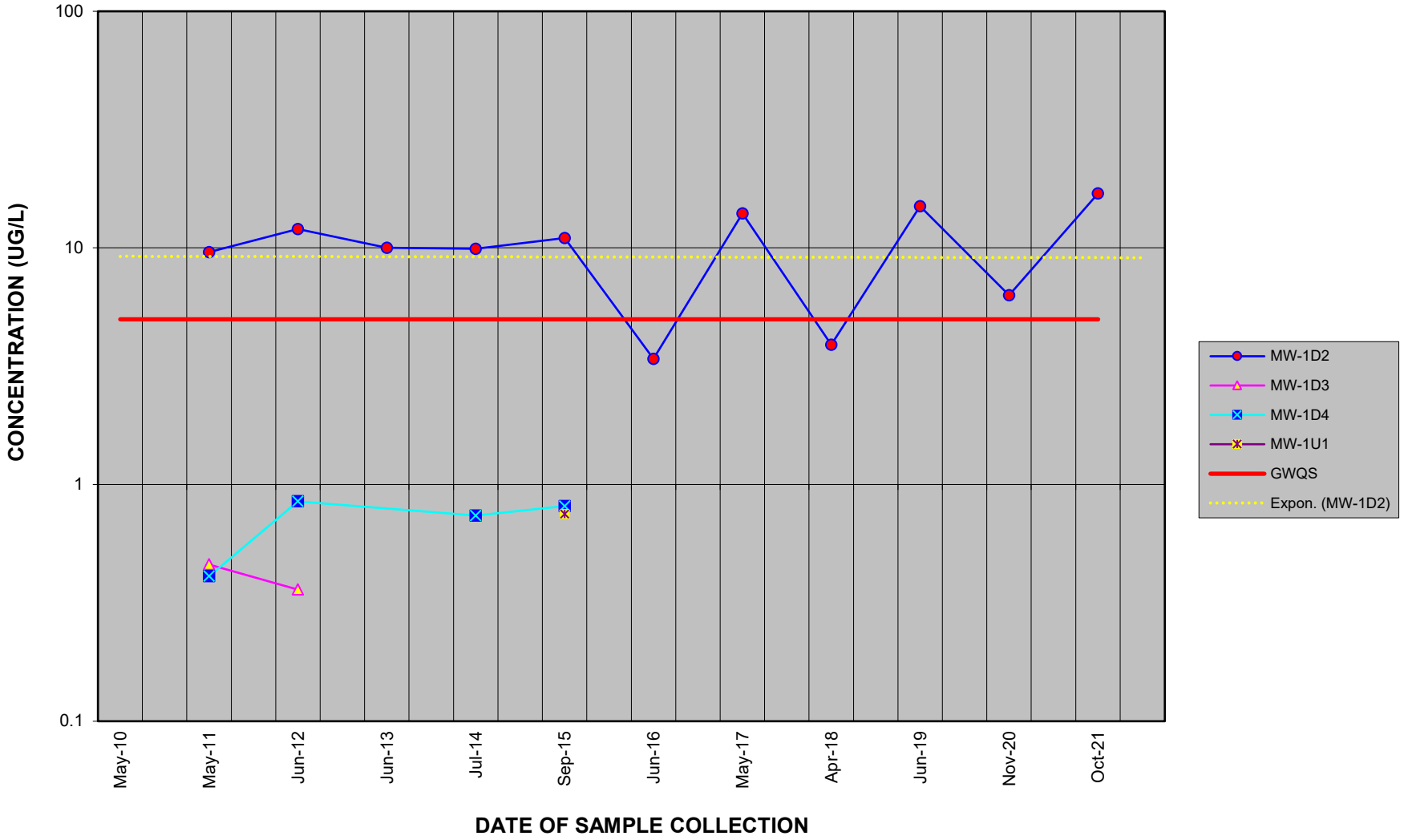
HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY



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.

1,2,4-TRIMETHYLBENZENE

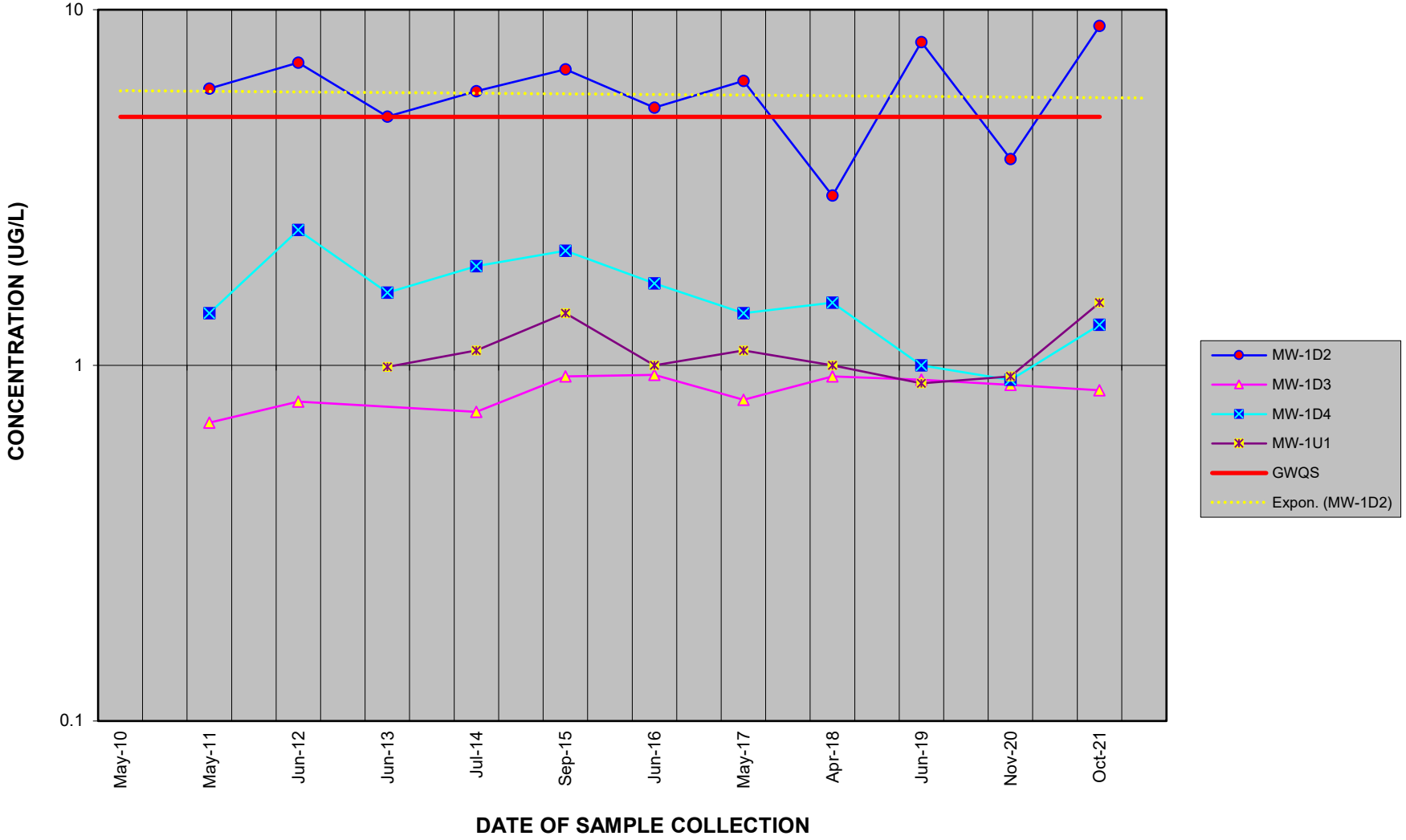
HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY



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.

1,3,5-TRIMETHYLBENZENE

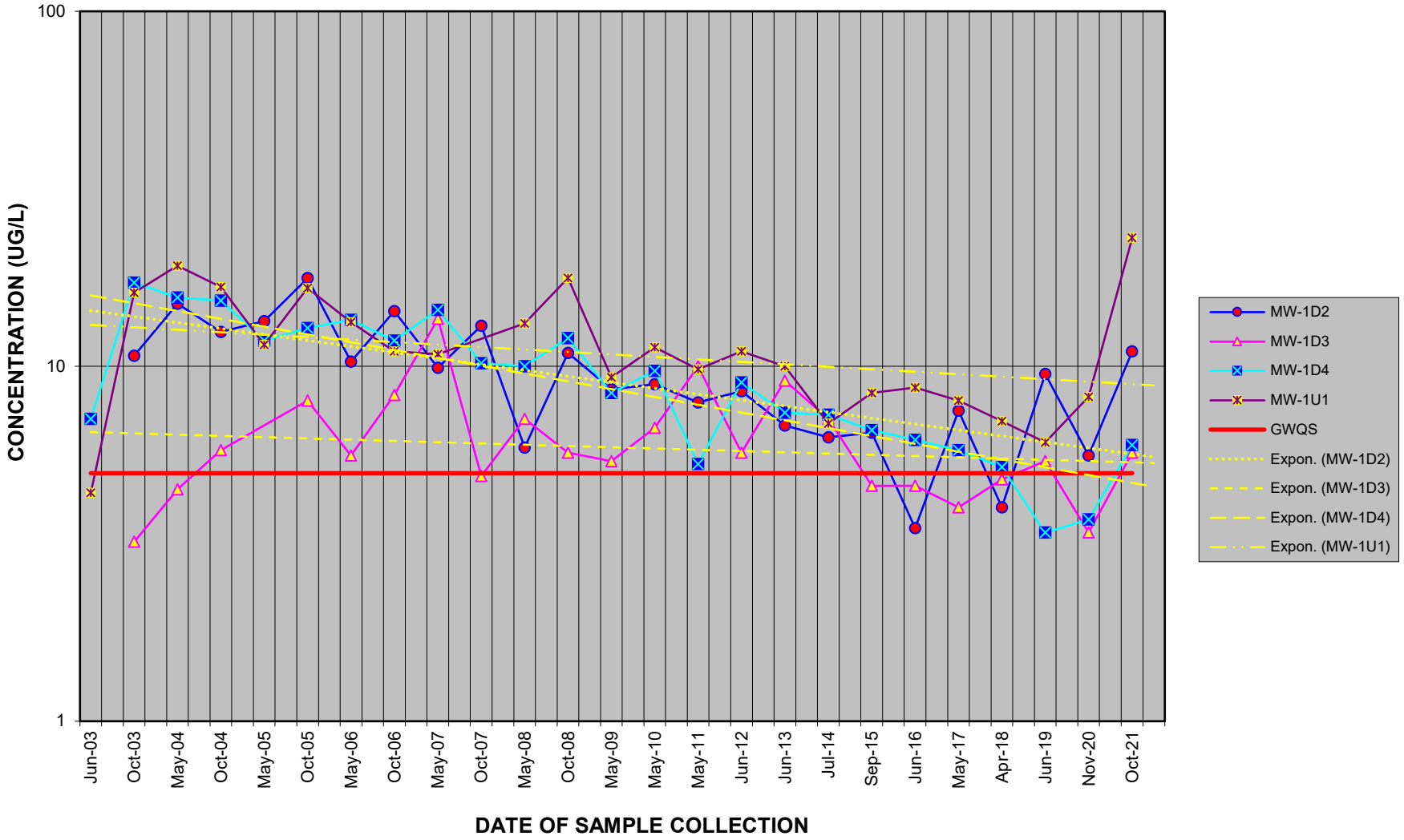
HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY



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.

TOTAL XYLENES

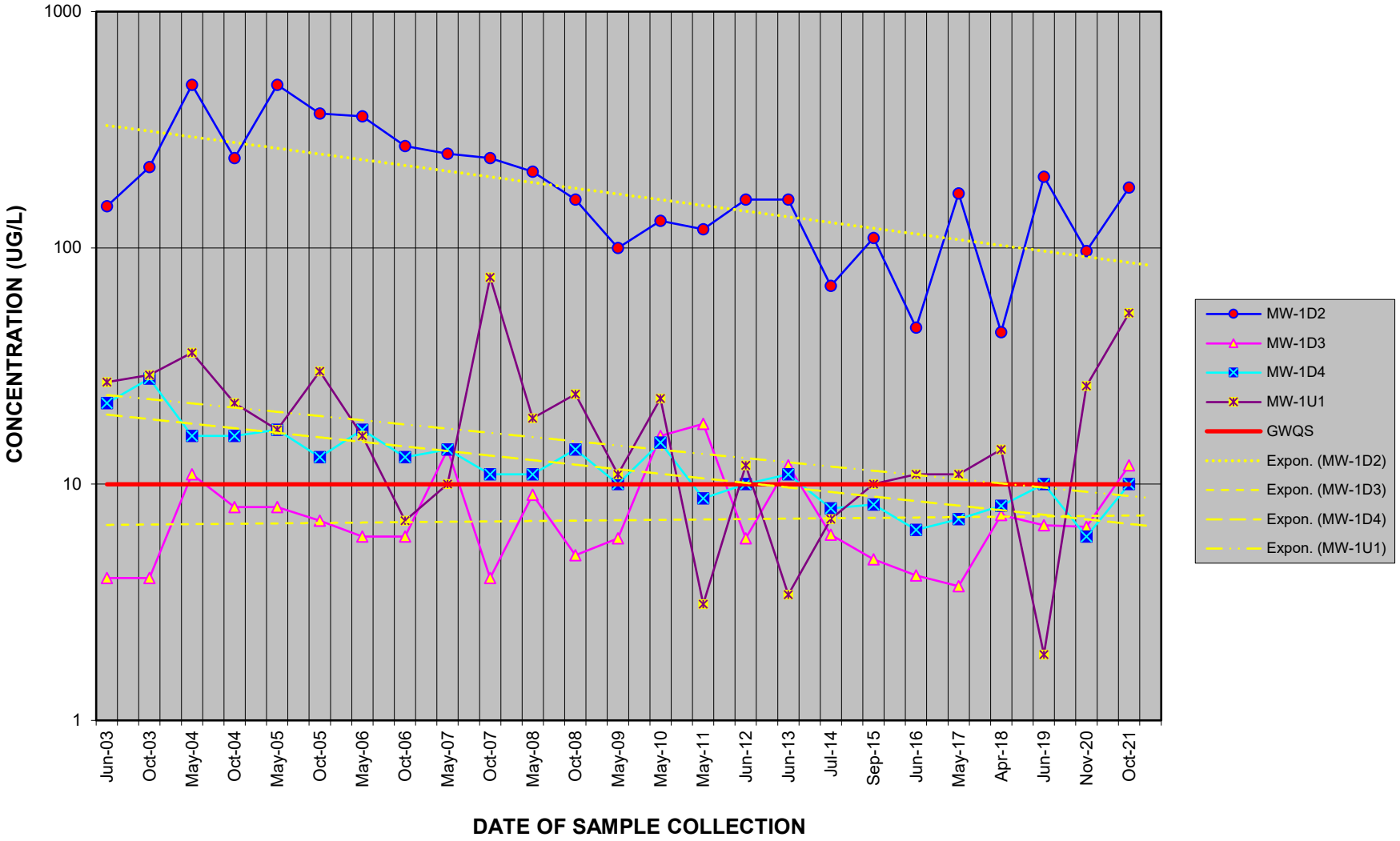
HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY



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.

NAPHTHALENE

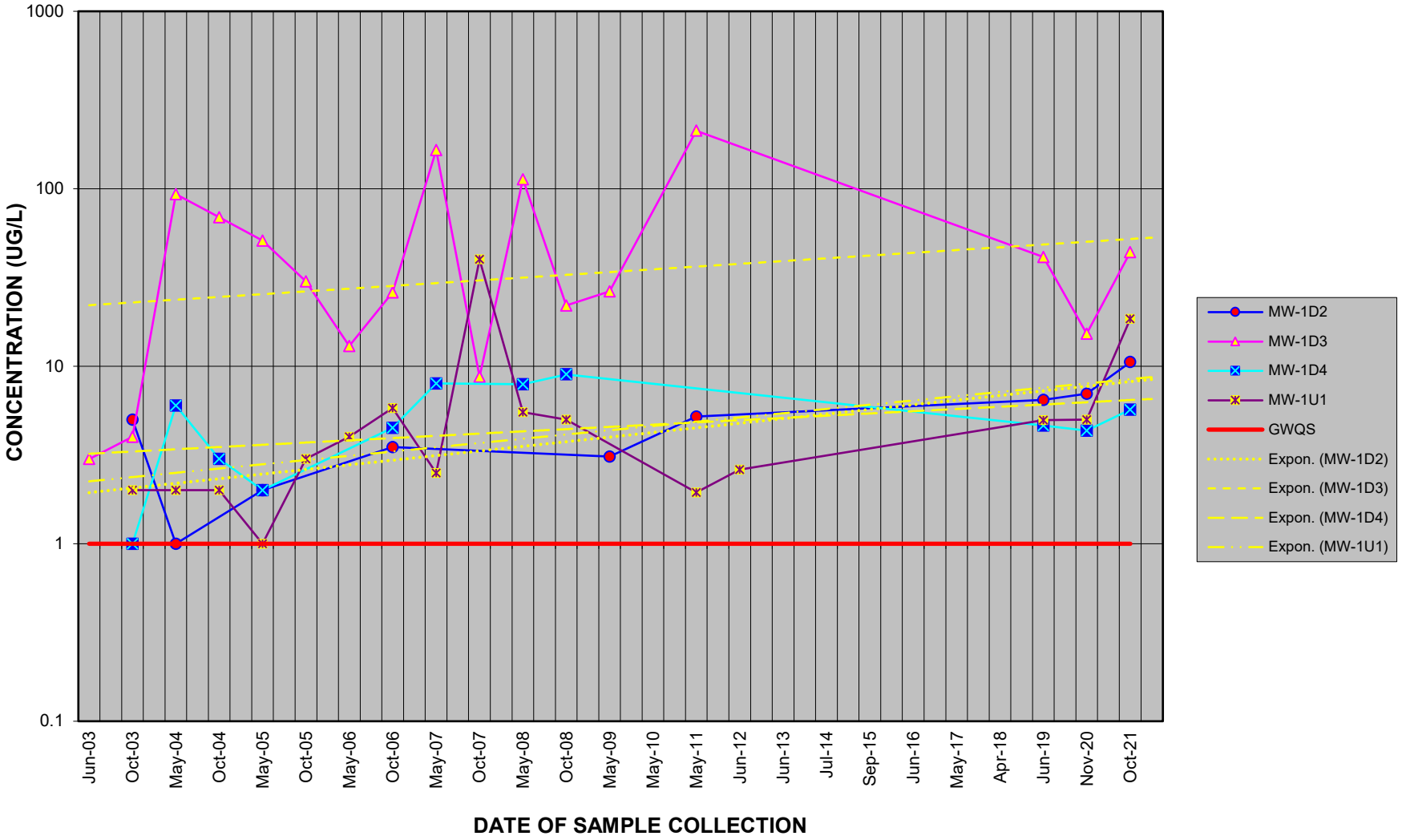
HAZARDOUS WASTE MANAGEMENT UNIT 1A
HISTORICAL ANALYTICAL SUMMARY



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.

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.

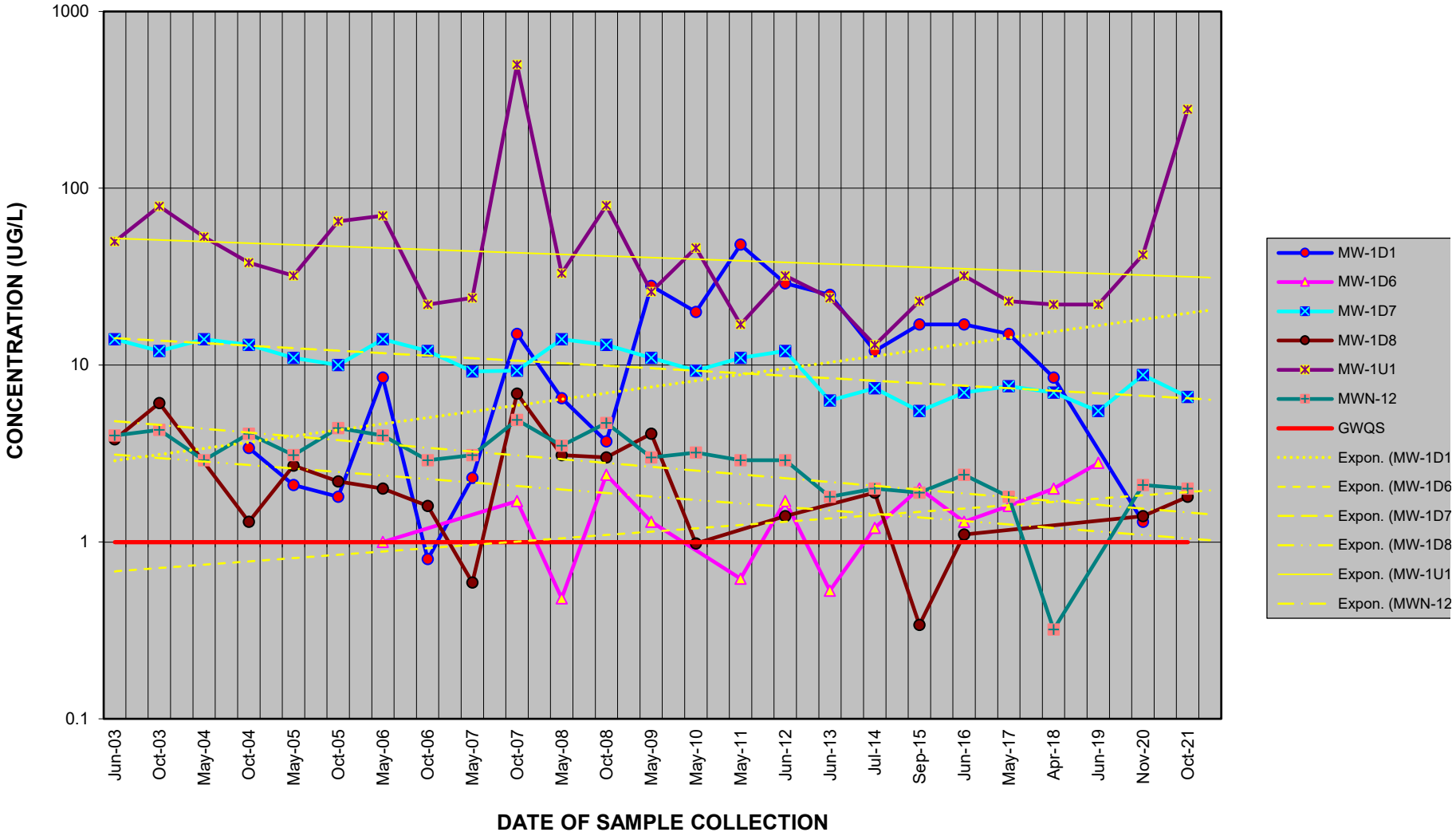
ATTACHMENT 3B

TIME-CONCENTRATION PLOTS

HWMU-1B

BENZENE

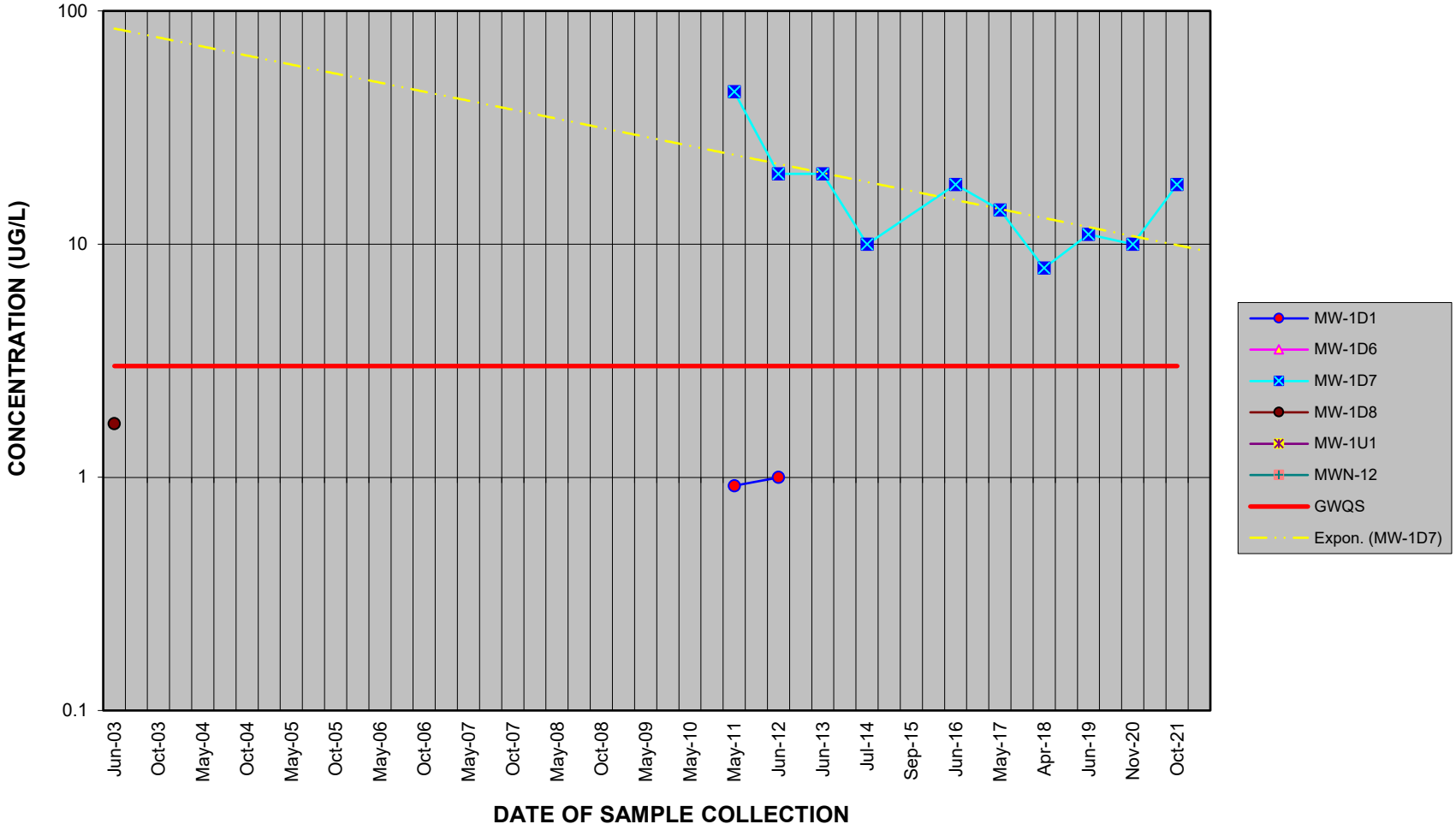
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

cis-1,2-DICHLOROETHENE

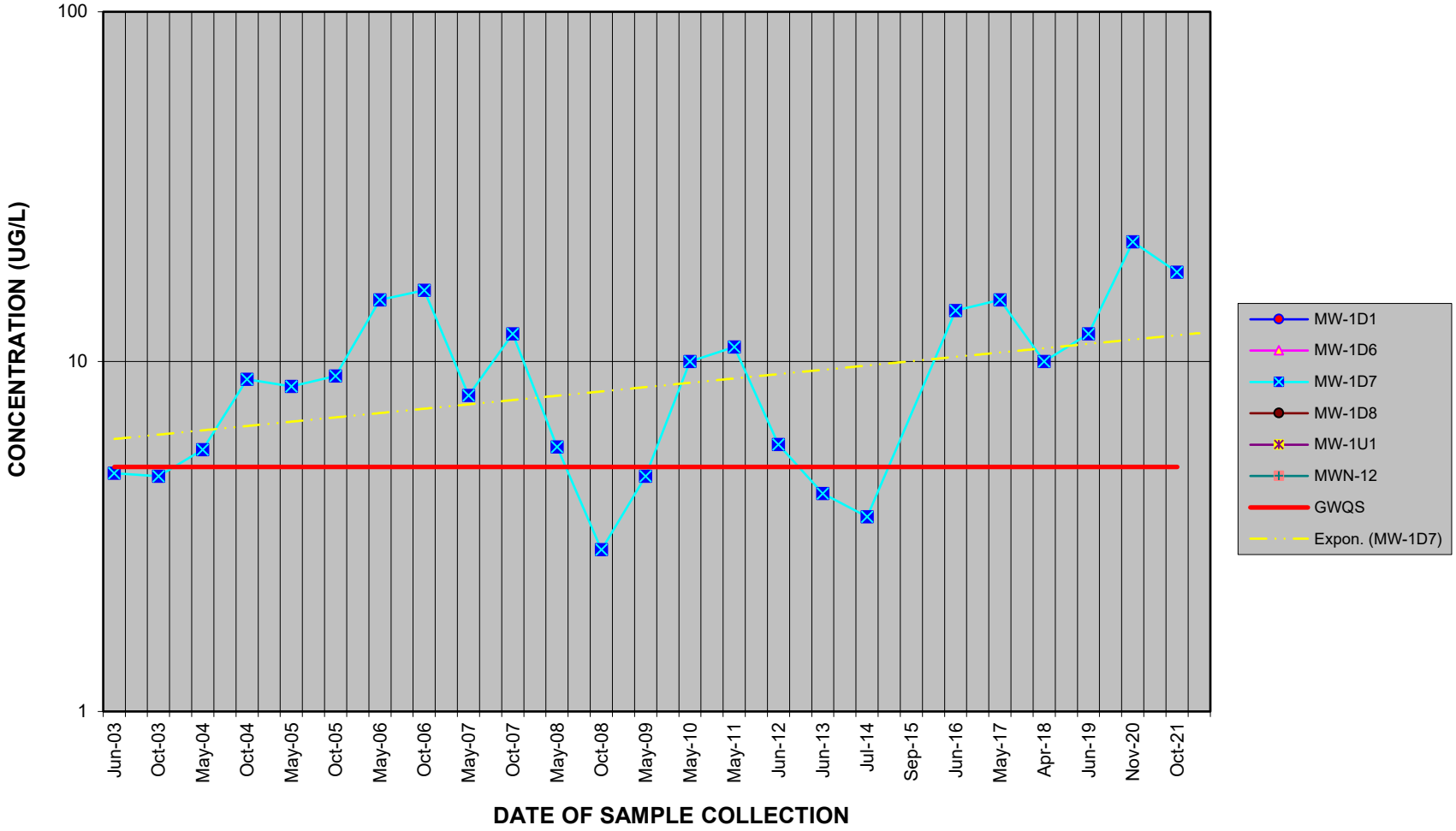
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

trans-1,2-DICHLOROETHENE

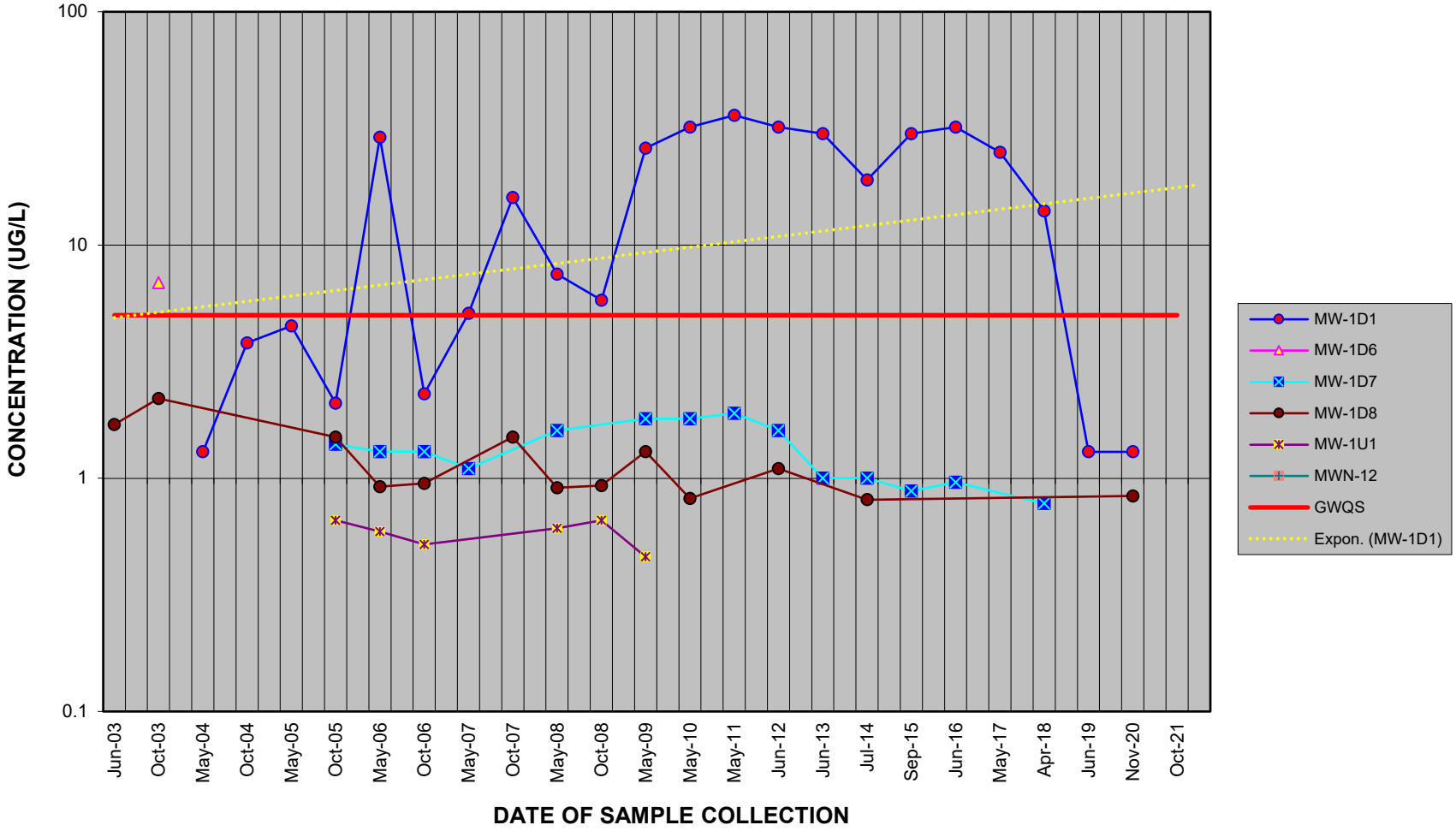
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

ETHYLBENZENE

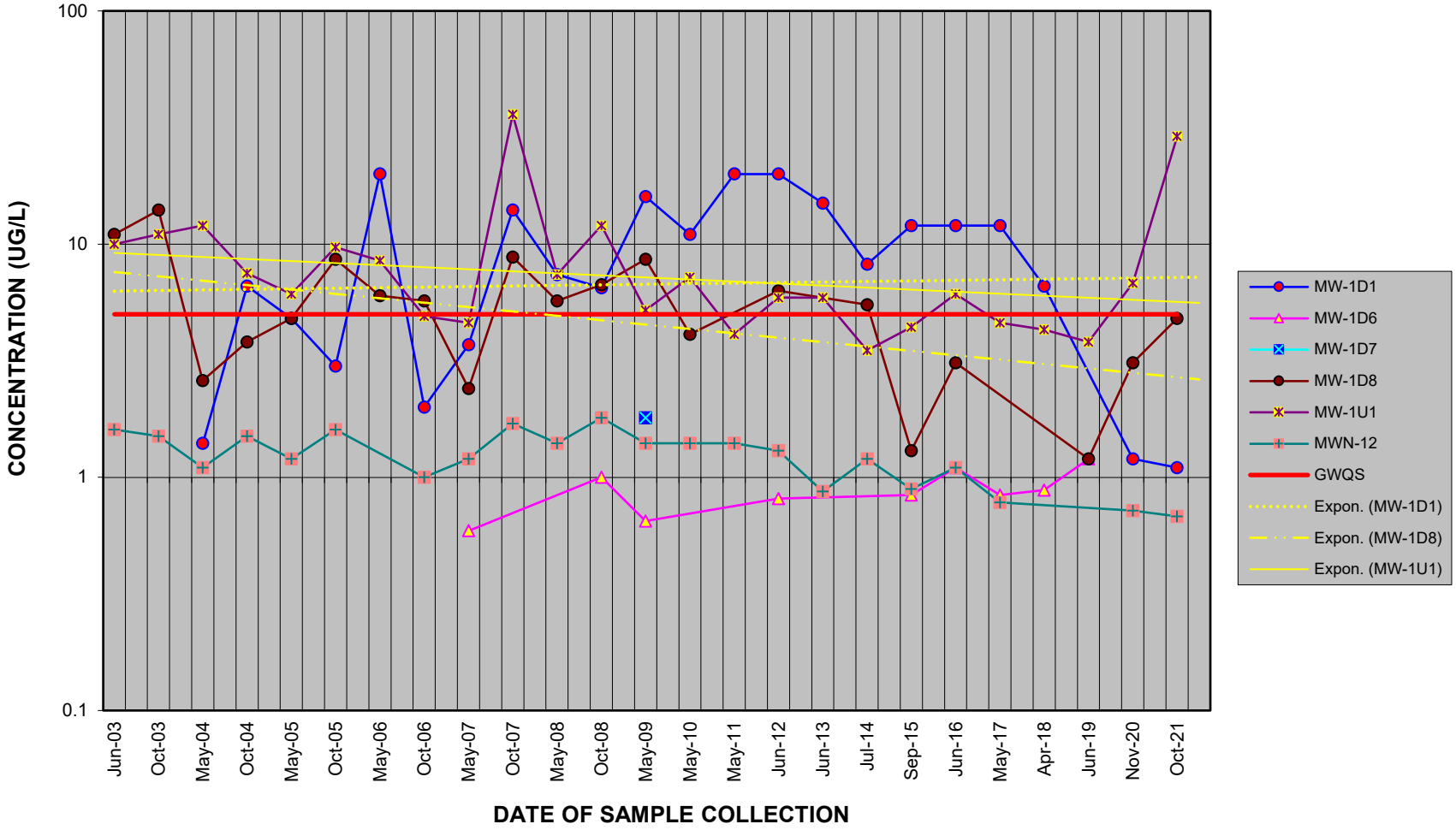
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

TOLUENE

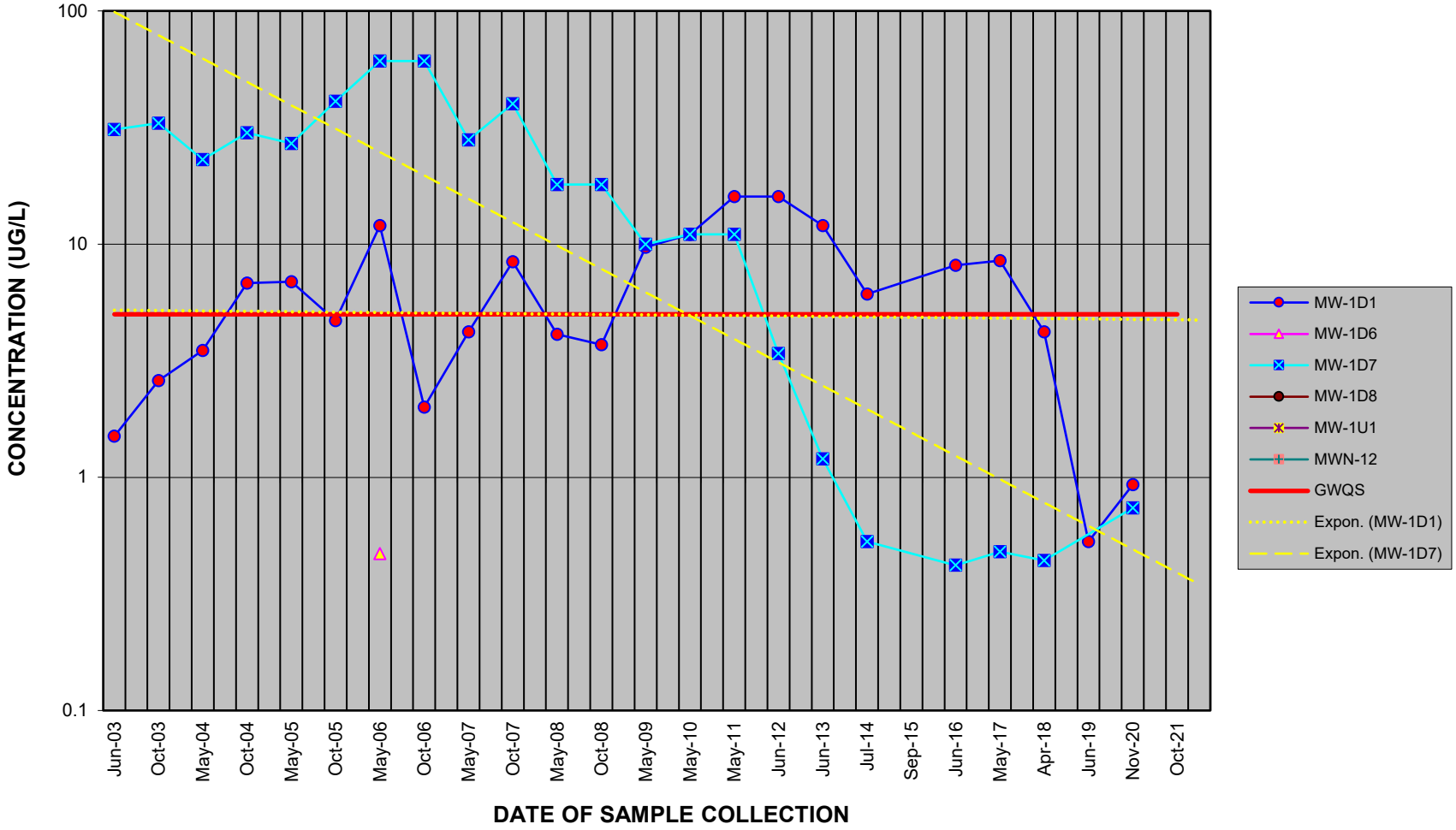
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

TRICHLOROETHENE

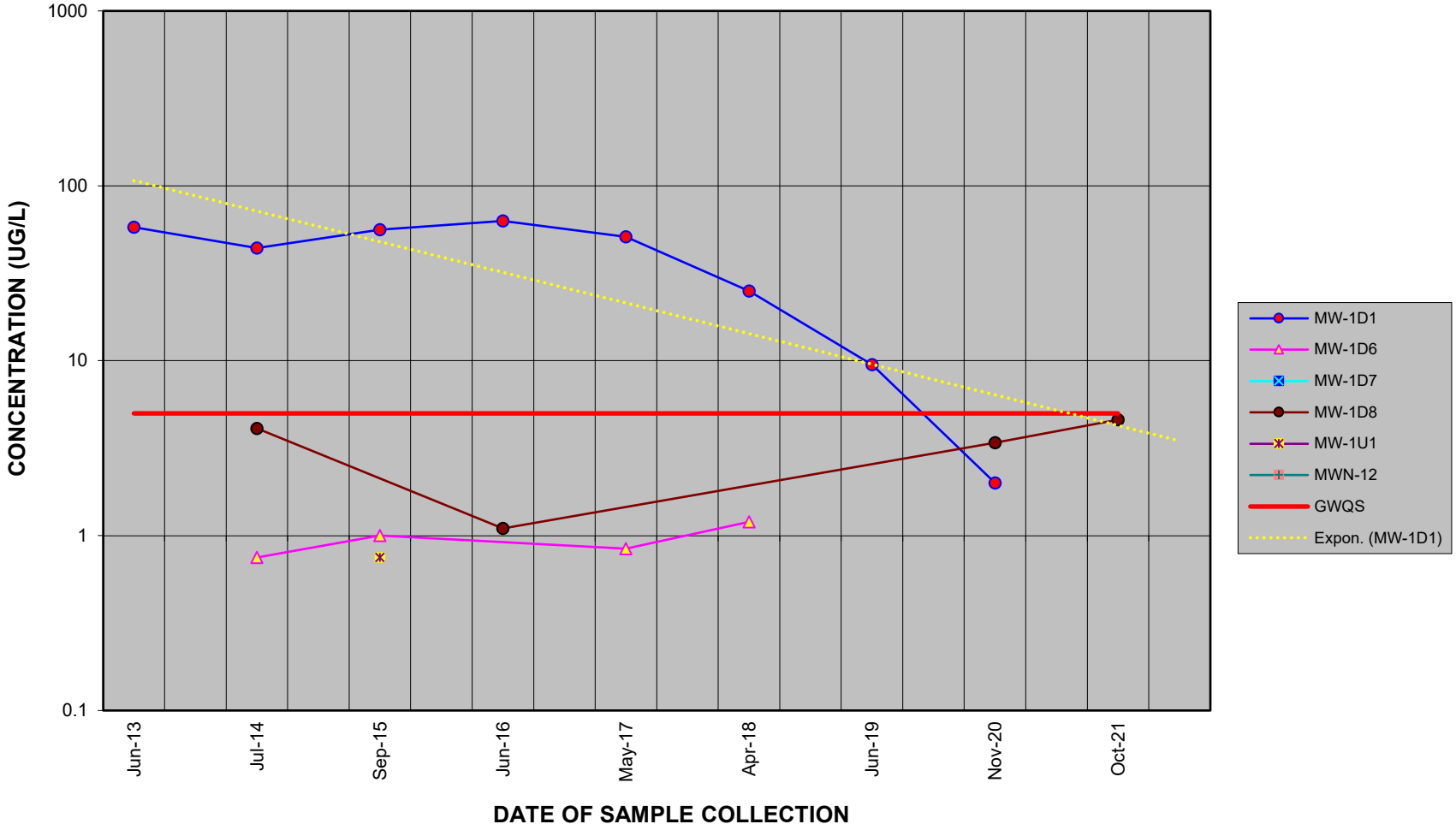
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

1,2,4-TRIMETHYLBENZENE

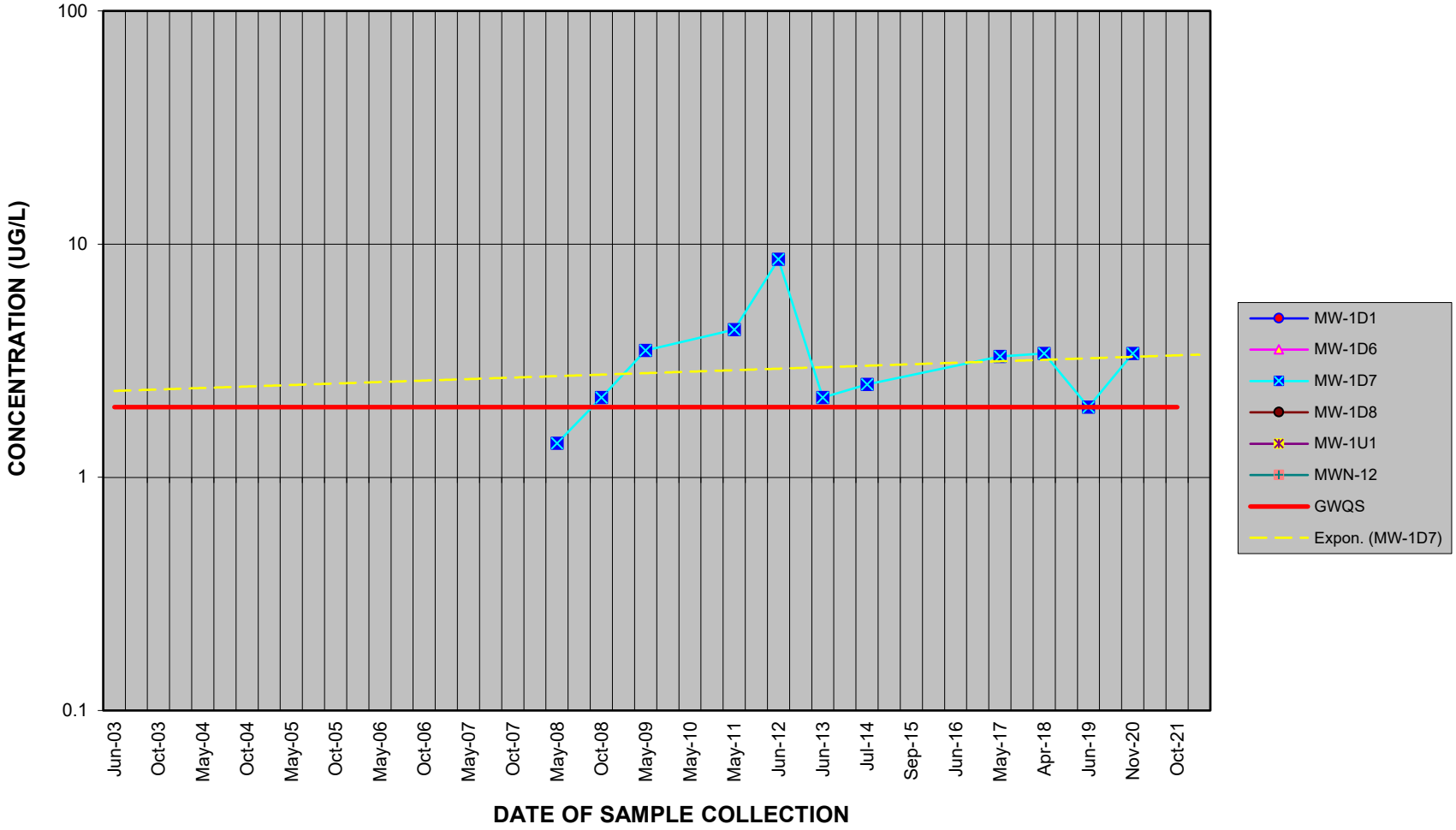
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

VINYL CHLORIDE

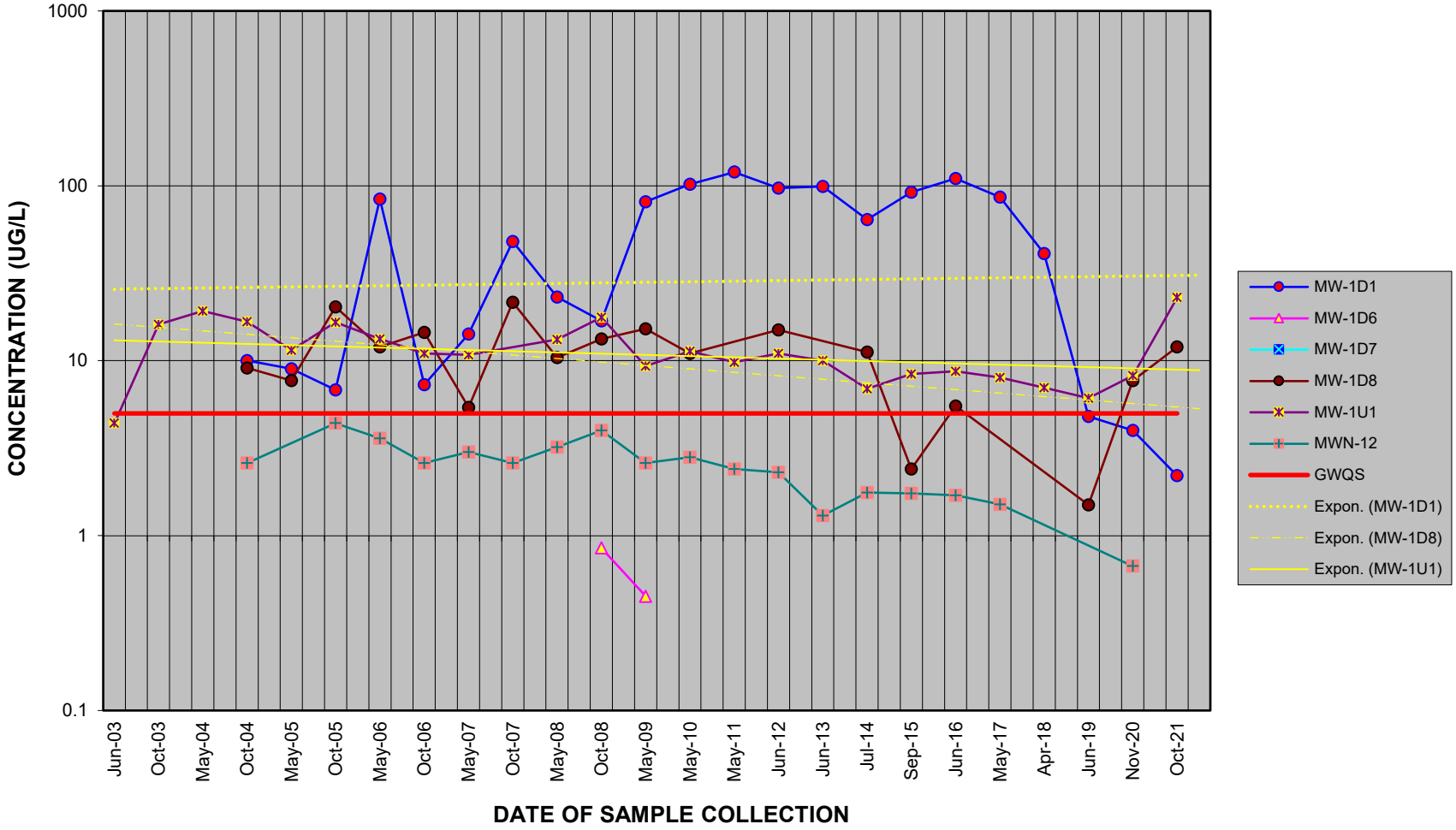
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

TOTAL XYLENES

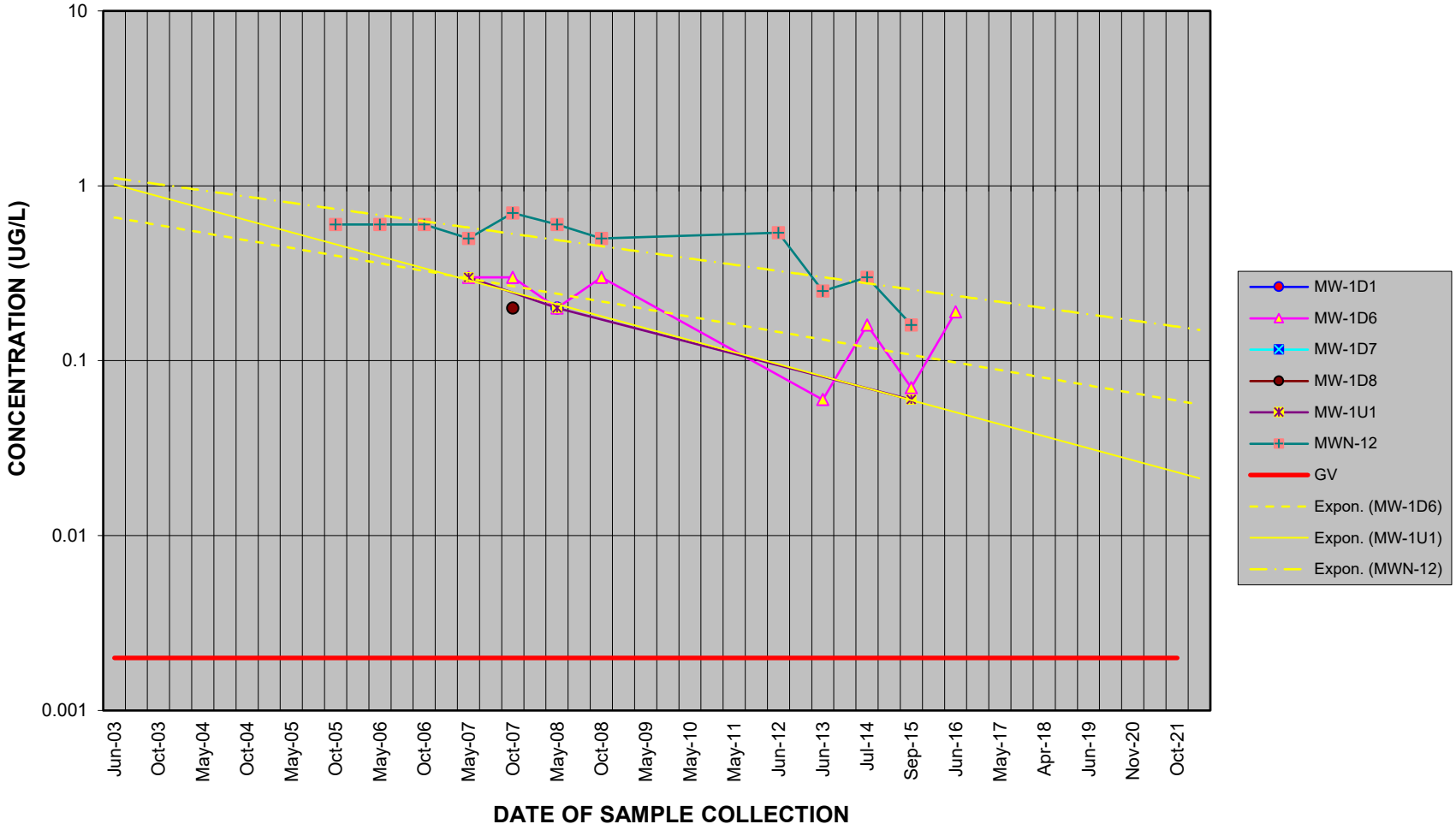
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

BENZO(A)ANTHRACENE

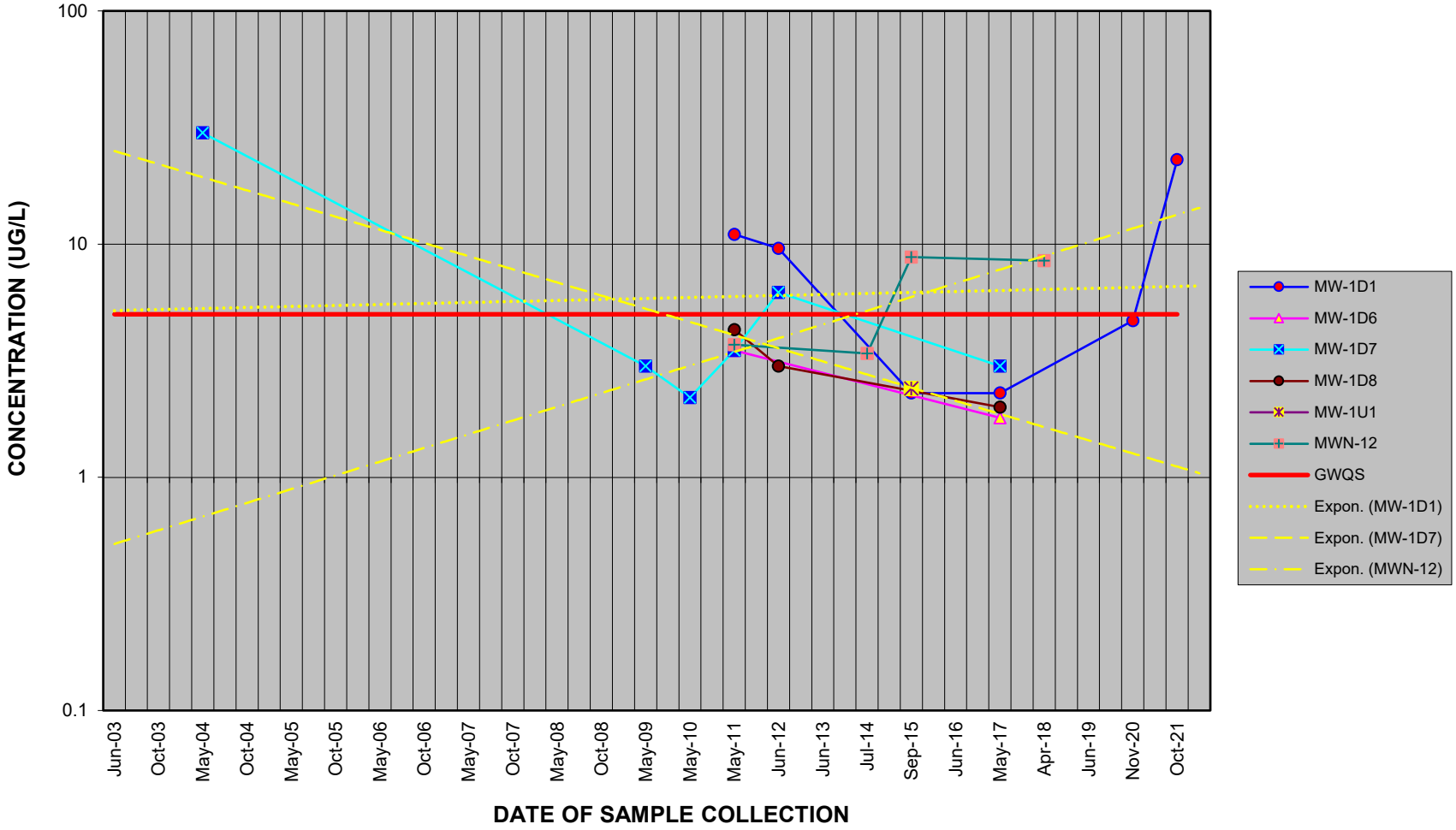
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

BIS(2-ETHYLHEXYL)PHTHALATE

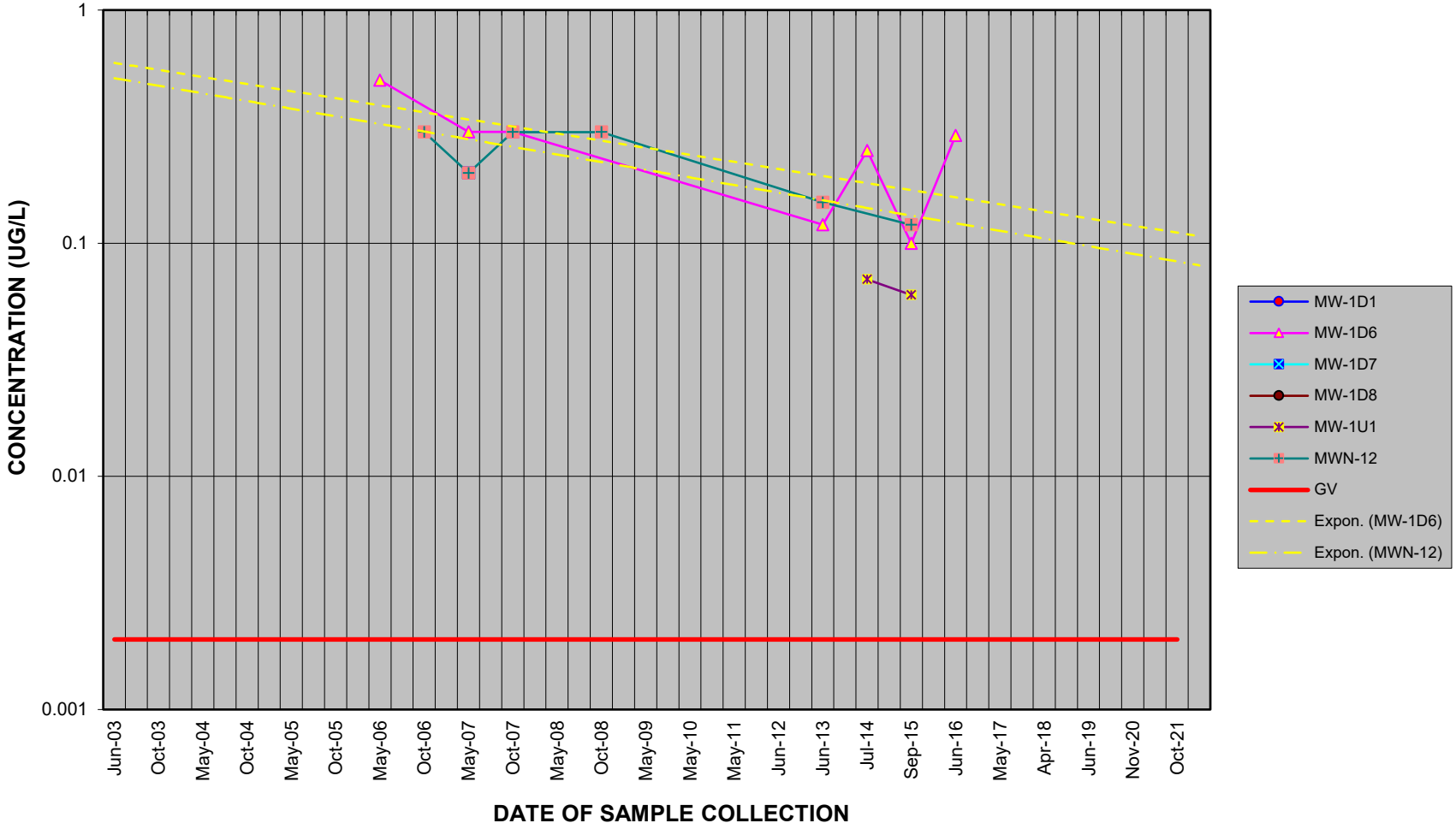
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

CHRYSENE

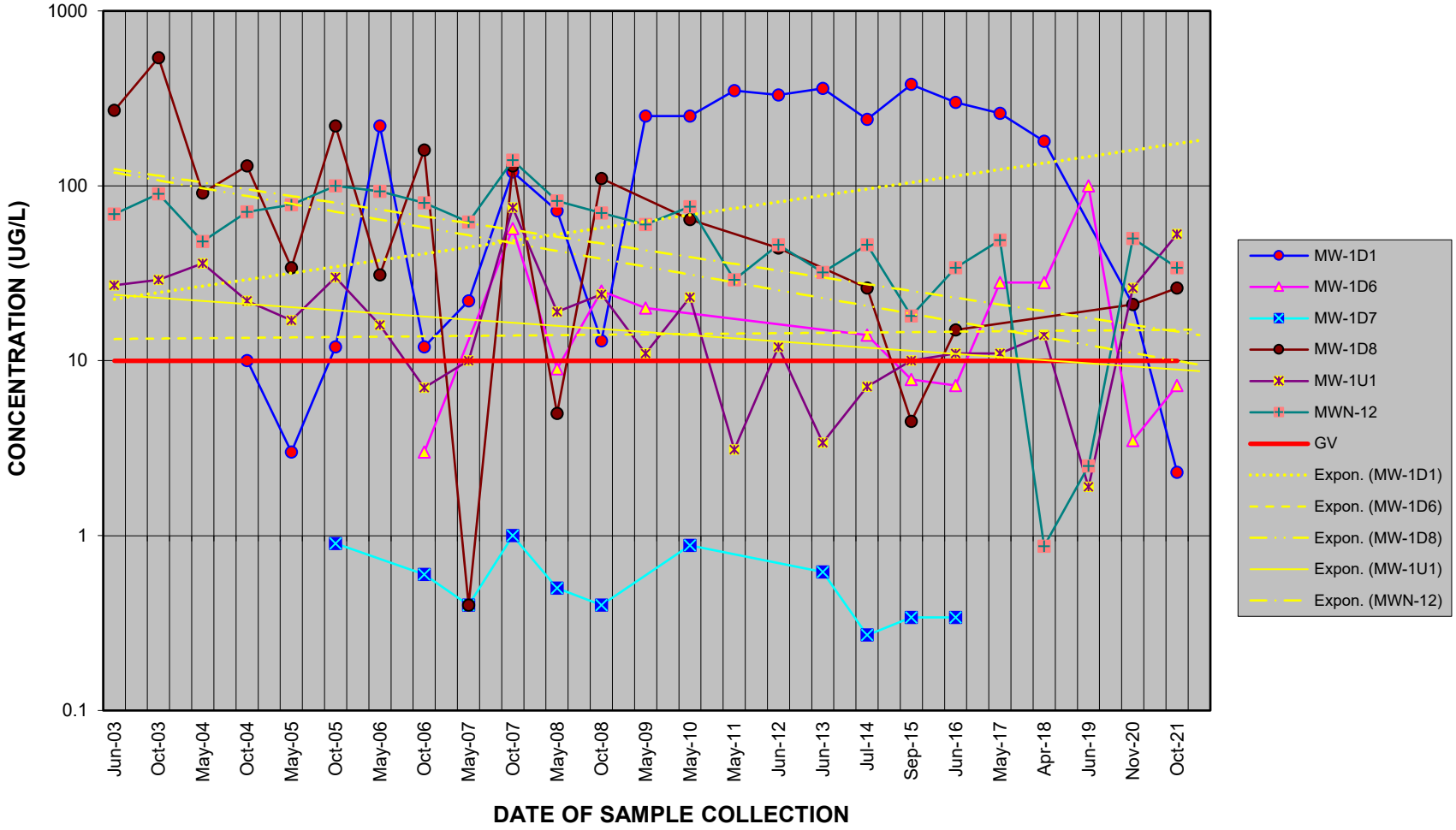
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

NAPHTHALENE

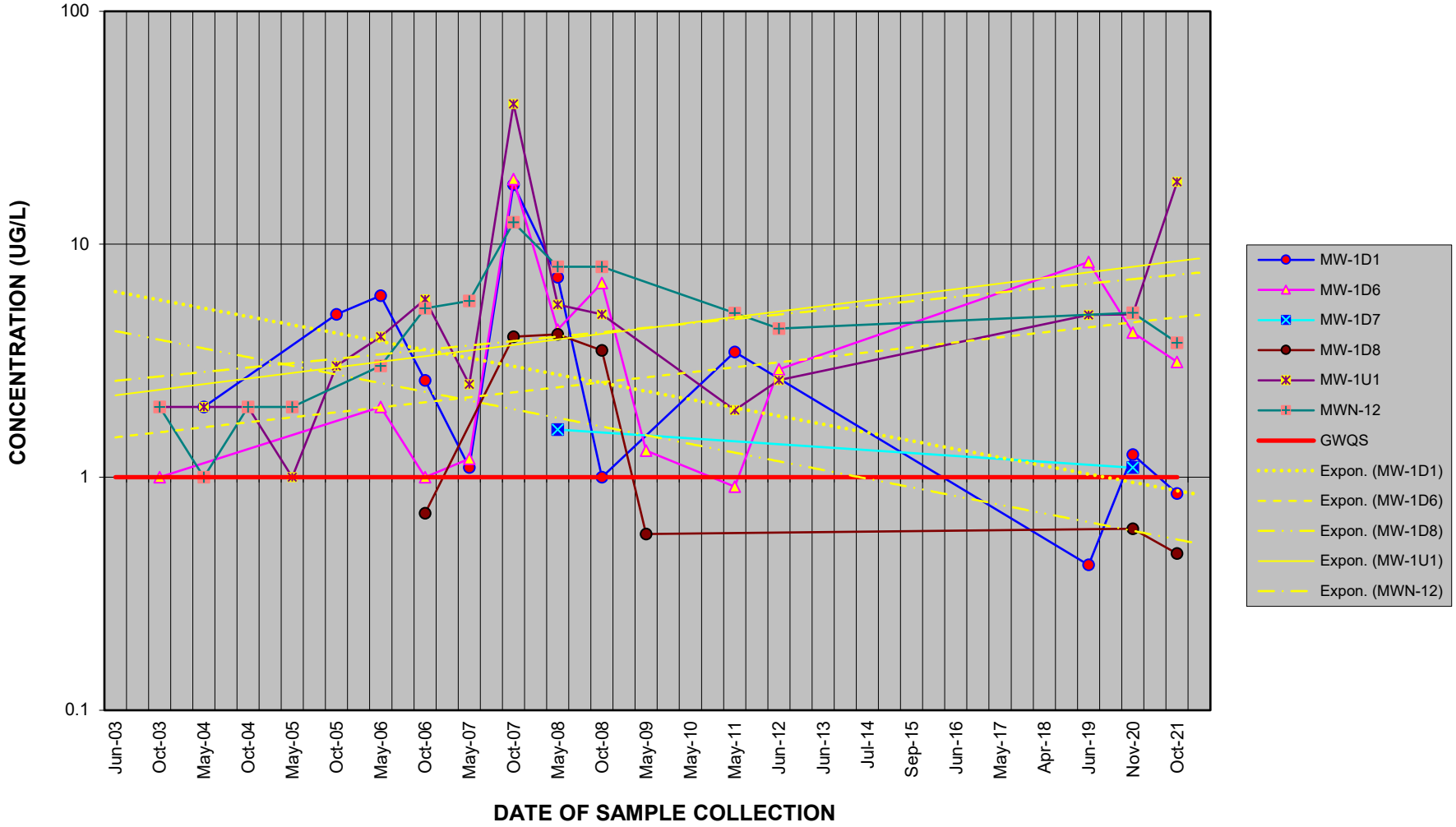
HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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.

SUM OF PHENOLICS COMPOUNDS

HAZARDOUS WASTE MANAGEMENT UNIT 1B
HISTORICAL ANALYTICAL SUMMARY



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ATTACHMENT 3C

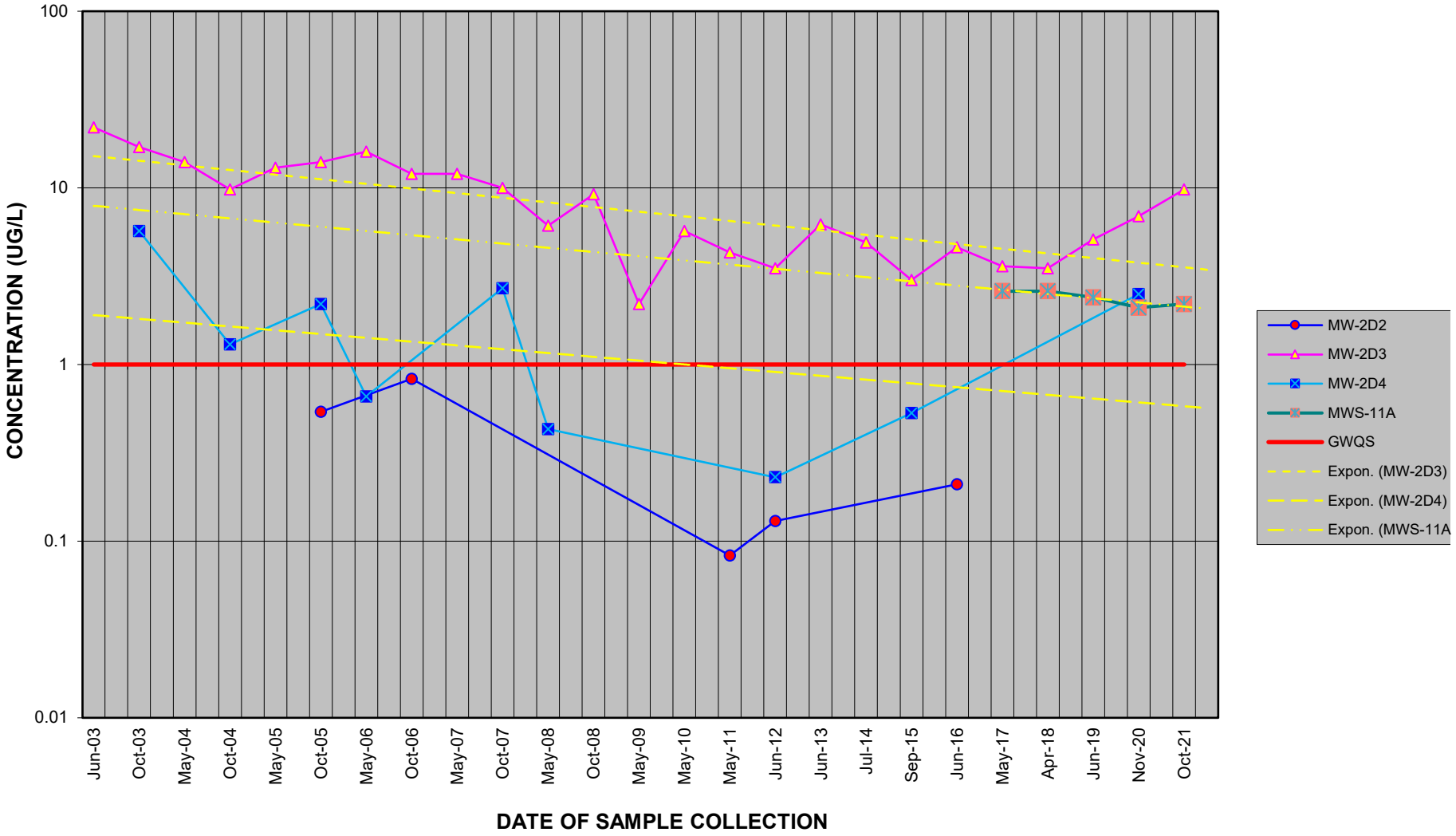
TIME-CONCENTRATION PLOTS

HWMU-2

TURNKEY

BENZENE

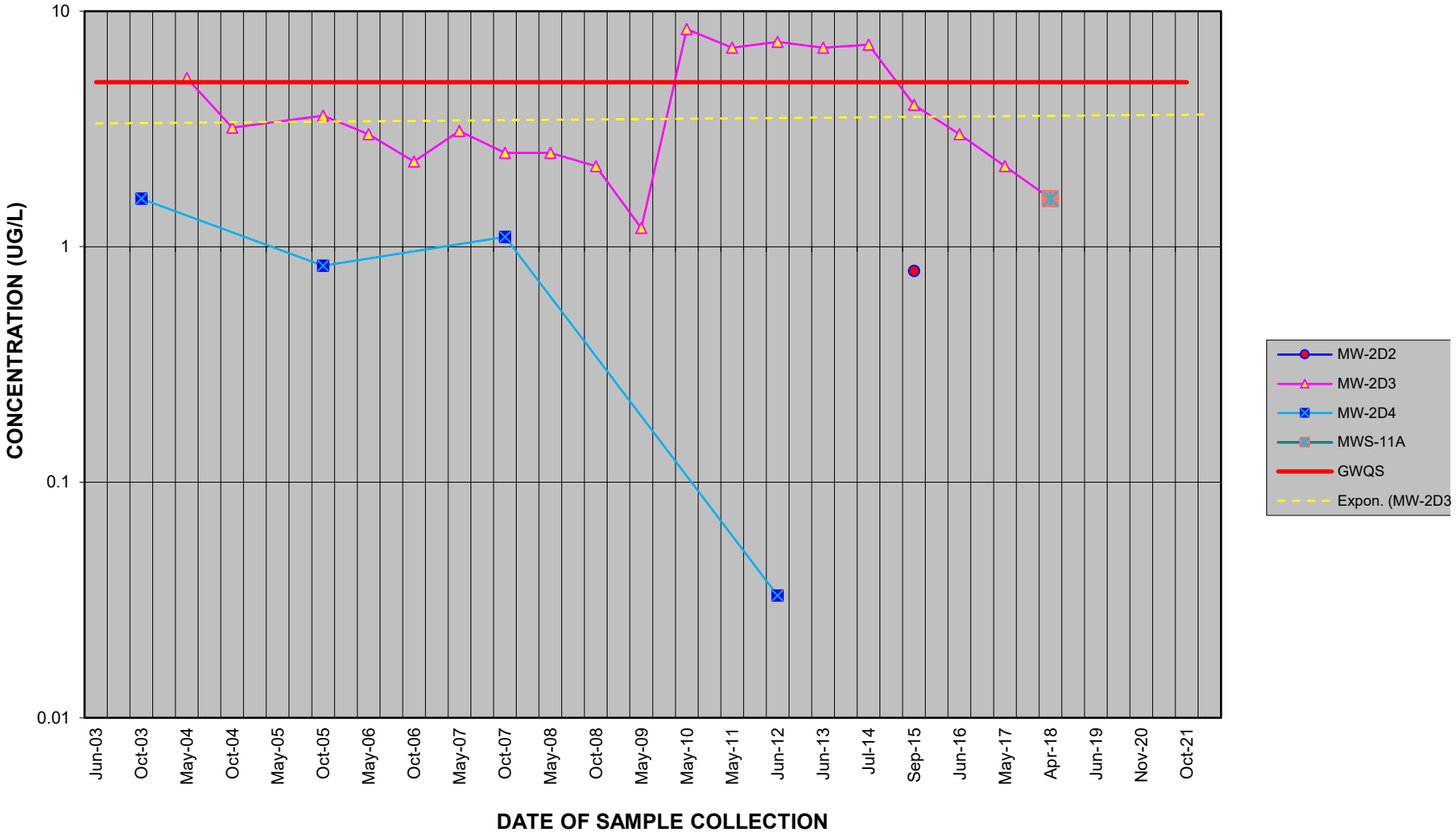
HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY



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.

ETHYLBENZENE

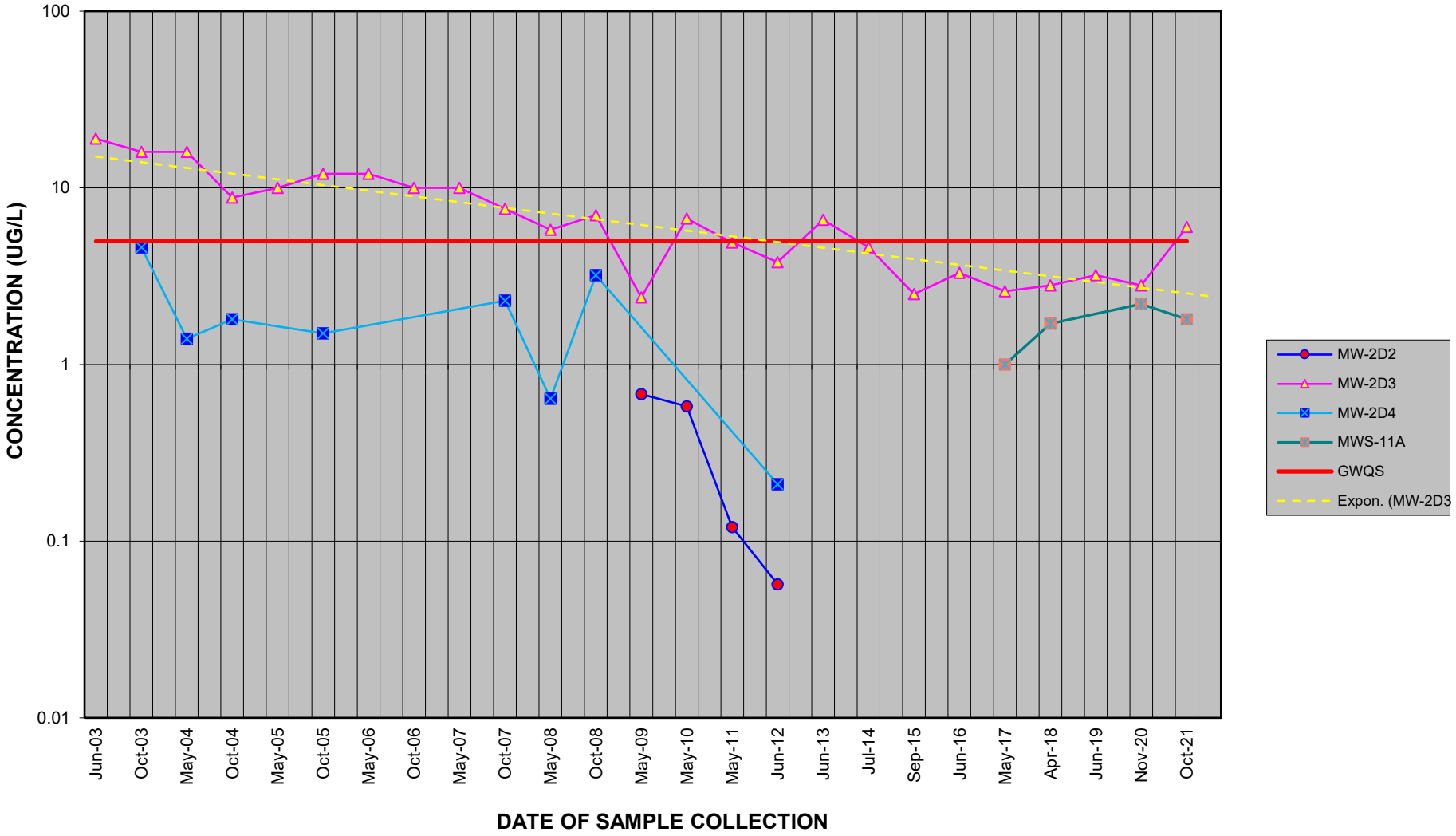
HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY



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.

TOLUENE

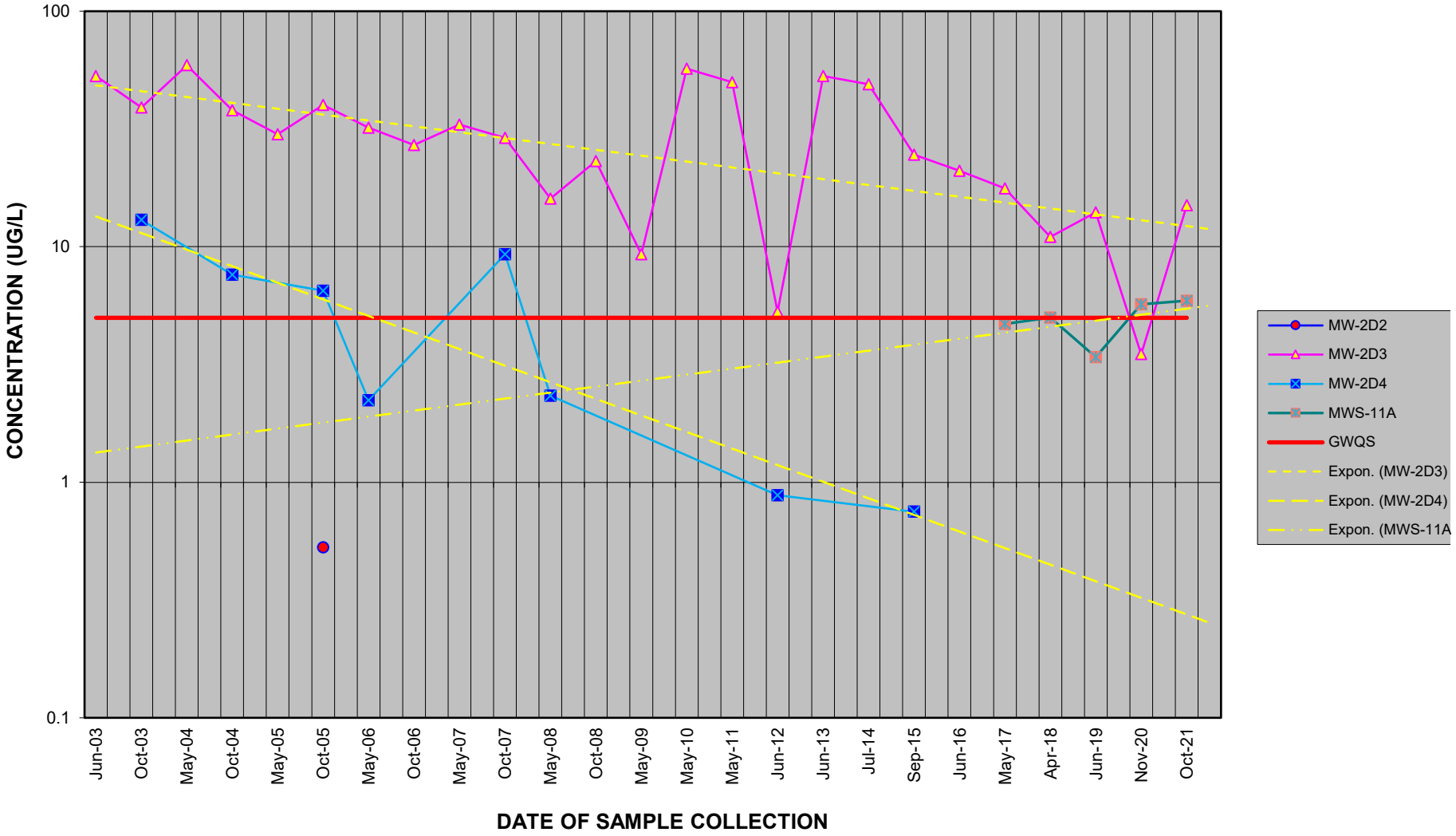
HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY



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.

TOTAL XYLENES

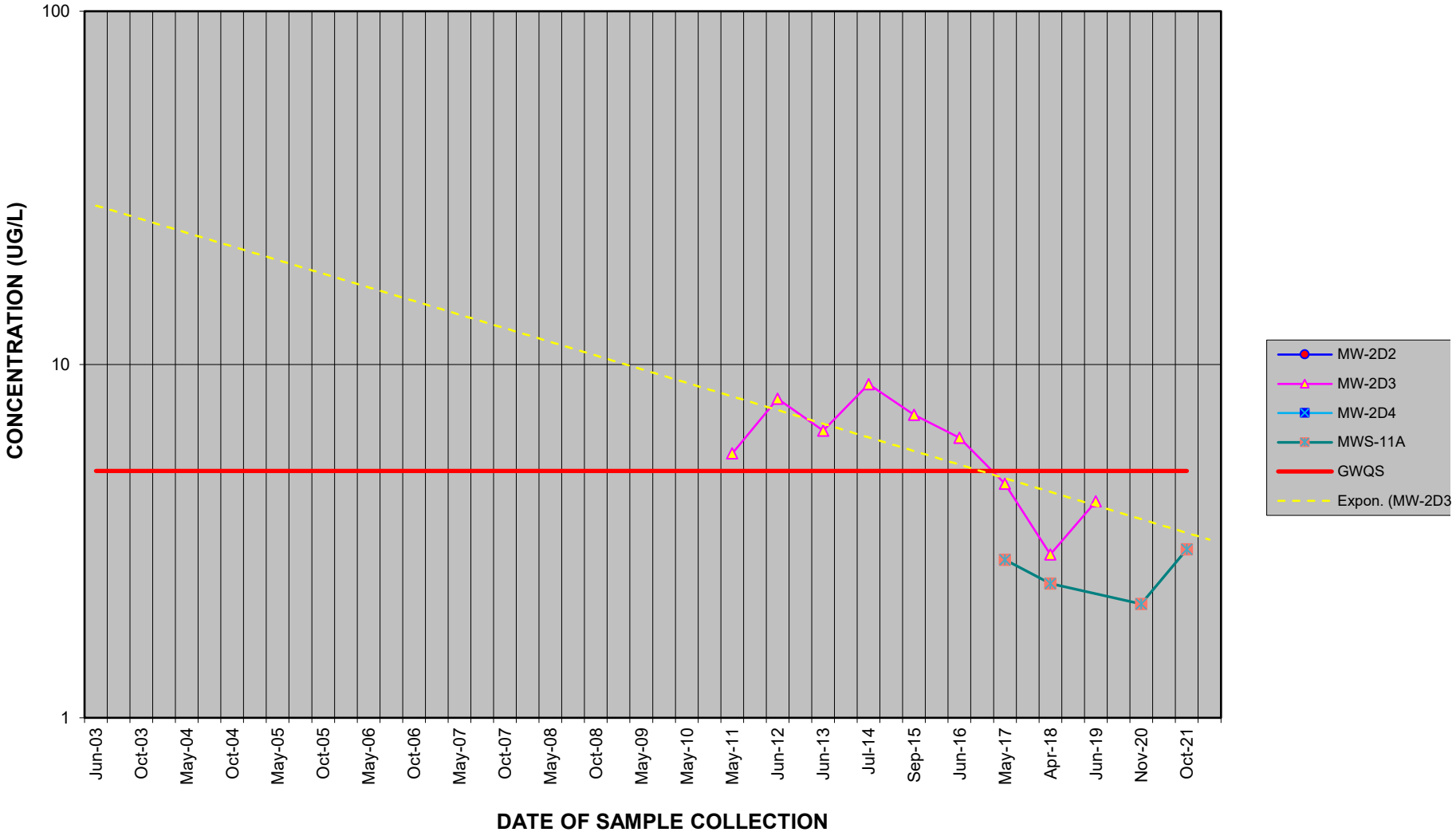
HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY



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.

1,2,4-TRIMETHYLBENZENE

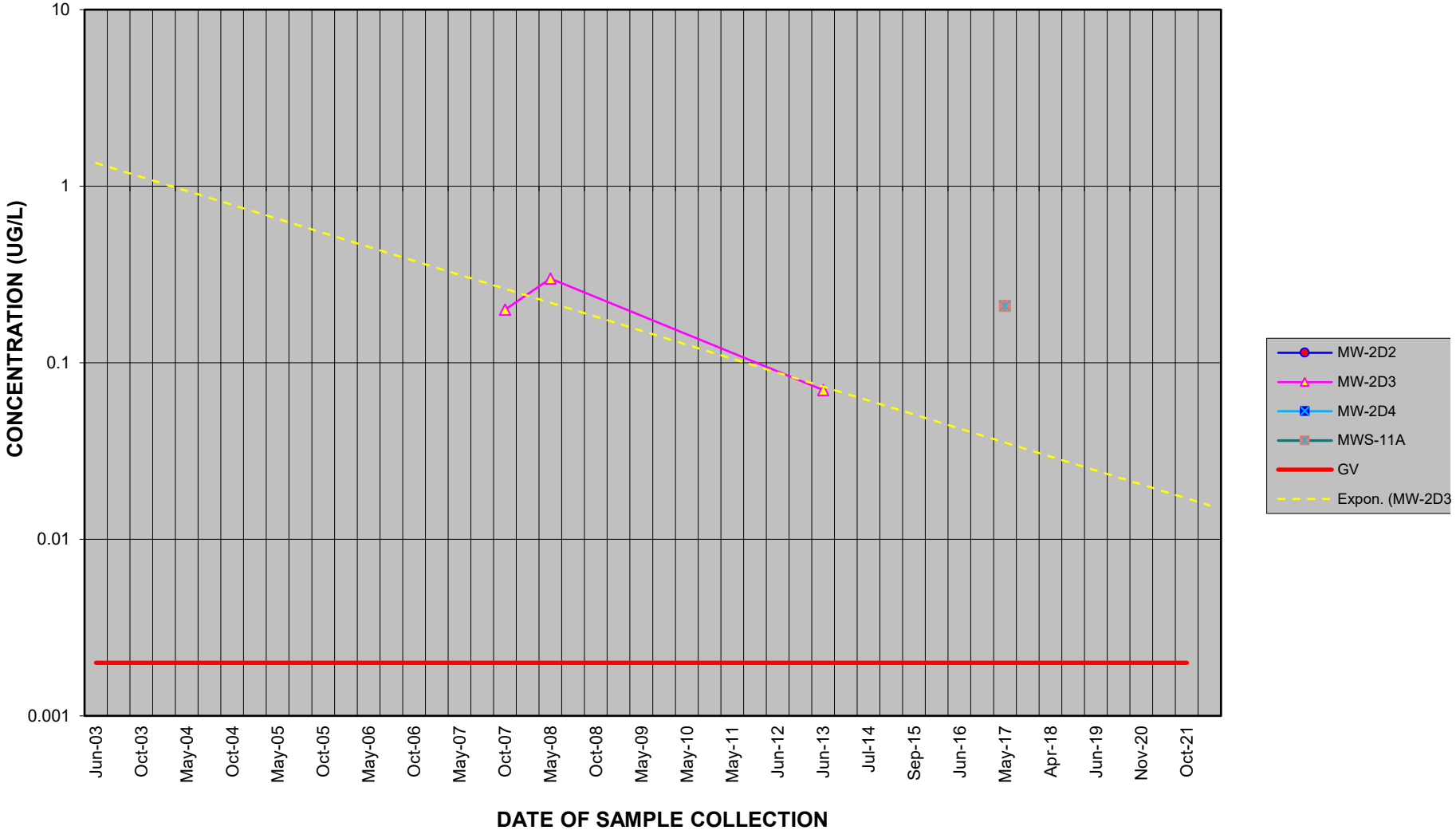
HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY



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.

CHRYSENE

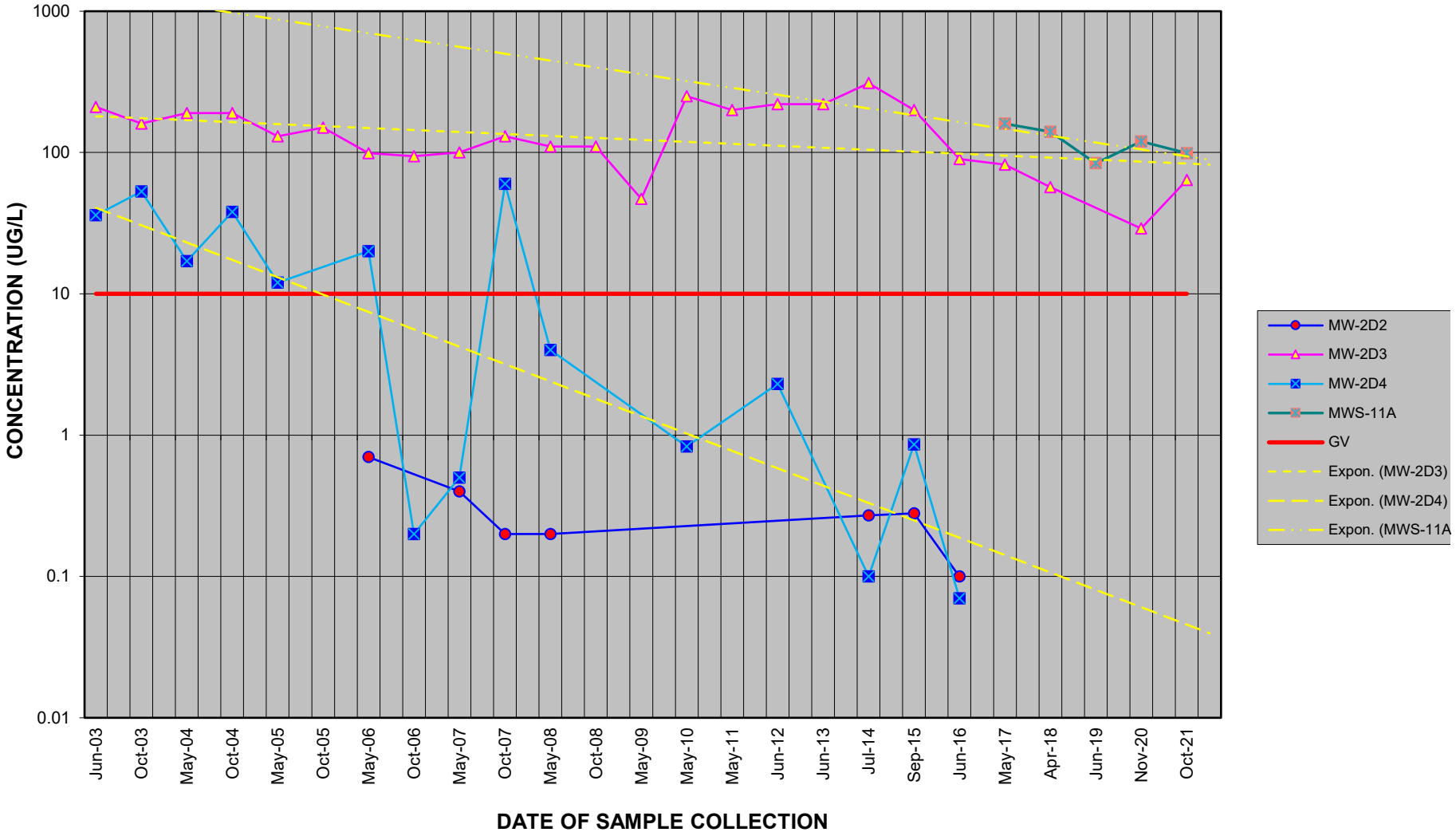
HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY



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.

NAPHTHALENE

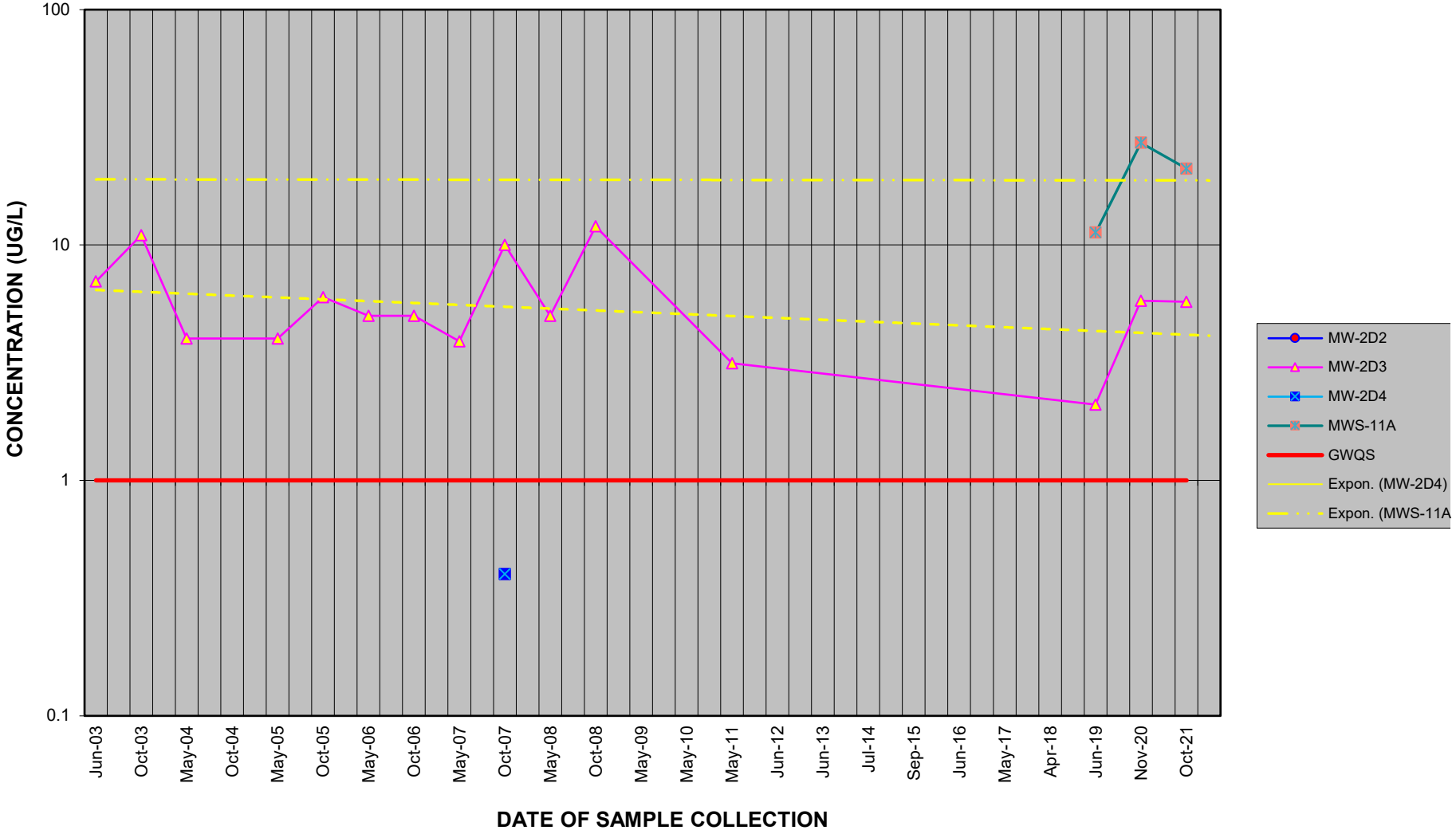
HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY



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.

SUM OF PHENOLICS COMPOUNDS

HAZARDOUS WASTE MANAGEMENT UNIT 2
HISTORICAL ANALYTICAL SUMMARY



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ATTACHMENT 4

HWMU 1A COVER SYSTEM INSPECTION REPORT

Field Inspection Report
HWMU 1A

Property Name: Tecumseh Redevelopment Site	Project No.: T0071-020-240
Client: Tecumseh Redevelopment	
Property Address: HWMU 1A	Lackawanna, NY
Preparer: Brock Greene	Date/Time: December 22, 2021

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: Brock Greene **Date:** December 22, 2021

Signature: 

Next Scheduled Inspection Date: August 2022

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: October 2021

When is the next projected sampling event? Date: August 2022

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 left photo: HWMU 1A area looking southwest.

Bottom right photo: HWMU 1A area looking northeast.

Photos taken during the inspection.

Top left photo: HWMU 1A sign looking northeast. Top right photo: HWMU 1A top of cap looking northeast.

Bottom left photo: HWMU 1A top of cap looking southwest.