HUMPHREY IMPOUNDMENT
SEMI-ANNUAL 1ST HALF 2025 INTERIM MEASURE REPORT

TRADEPOINT ATLANTIC
SPARROWS POINT, MARYLAND

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1.0 INTRODUCTION

ARM Group LLC (ARM), on behalf of Tradepoint Atlantic (TPA), has prepared this Semi-Annual 1st Half 2025 Interim Measures (IM) Report for a portion of TPA property (formerly Sparrows Point Terminal, LLC) that has been designated as the Humphrey Impoundment located in Area B: Parcel B14 (the Site). Parcel B14 is comprised of 60.3 acres of the approximately 3,100-acre former steel making facility (**Figure 1**). The majority of Parcel B14 is occupied by the Humphrey Impoundment, which is approximately 43 acres in size. The Humphrey Impoundment has been identified as a Special Study Area due to the wastes which were historically managed within the area, and potential environmental releases which could have occurred due to its construction (slag base and sides). *The Work Plan for the Humphrey Impoundment* (Revision 2 dated March 29, 2022) was submitted to the Maryland Department of the Environment (MDE) and United States Environmental Protection Agency (USEPA), hereby referred to as the Agencies. The IM Work Plan for the Humphrey Impoundment was proposed as a component of the final remedy for Parcel B14 for the impoundment and the wastes contained within the impoundment. The IM Work Plan proposed groundwater and surface water sampling and gauging to monitor the Site conditions as the Humphrey Impoundment is filled, in preparation for development.

This 1st Half 2025 IM Report summarizes groundwater and surface water sampling and gauging results from January through June 2025. The approved IM proposed gauging and sampling of groundwater and surface water around the perimeter and in the vicinity of the Humphrey Impoundment to assess the interaction of the impoundment with groundwater and surface water and to monitor the effectiveness of the proposed IM at reducing migration of contaminants to groundwater and the potential need for additional contingent groundwater remedies. These gauging and sampling activities include the adjacent areas of Parcel B24 and portions of the Tin Mill Canal (TMC).

1.1. SITE DESCRIPTION AND HISTORY

In preparation for development, filling activities for the Humphrey Impoundment commenced in January 2022 and have continued through 2025 The impoundment is being filled in quadrants. Filling of the impoundment is now approximately 95% complete and paving is approximately 50% complete. Future use for the impoundment will include a Stormwater Management Regional Pond and a parking lot.

From the late 1800s until 2012, the production and manufacturing of steel was conducted at Sparrows Point. Iron and steel production operations and processes at Sparrows Point included raw material handling, coke production, sinter production, iron production, steel production, and semi-finished and finished product preparation. In 1970, Sparrows Point was the largest steel facility in the United States, producing hot and cold rolled sheets, coated materials, pipes, plates, and rod and wire. The steel making operations at Sparrows Point ceased in fall 2012.

The majority of Parcel B14, as shown in **Figure 1**, is occupied by the Humphrey Impoundment, which is approximately 43 acres in size. As stated in the Description of Current Conditions (DCC) Report prepared by Rust Environment and Infrastructure, dated January 1998, the USEPA identified the Humphrey Impoundment as a potential concern due to the wastes which were historically managed within the impoundment, and potential environmental releases which could have occurred due to its construction (slag base and sides).

Between 1950 and 1970, Humphrey Creek existed as open water (the impoundment did not yet exist) and received wastewater from various steel processing areas including the Hot Strip Mill, Cold Sheet Mill, Tin Mill, and Rod & Wire Mill. Following construction of the TMC (ca. 1969), from 1970 to 1985 the Humphrey Impoundment was used as a dewatering area for on-site sludges and slurry materials generated from the Basic Oxygen Furnace and various on-site water treatment plants. Materials that were dewatered within the impoundment included: Blast Oxygen Furnace slurry; Blast Furnace G, H, J, K, and L thickener sludges; Humphrey Creek Wastewater Treatment Plant (HCWWTP) sludge; Sinter Plant slurry; Open Hearth (No.4) slurry; waste oil pit sludge and non-recoverable waste oil residue; and pre-limer clarifier sludge. Since 1985, the impoundment was used for sludge/slurry dewatering in emergency scenarios only (i.e., when upsets had occurred in the on-site water treatment systems). The MDE was notified prior to these emergency uses. According to the DCC Report, all the wastes that were placed inside the impoundment were determined to be non-hazardous.

2.0 INTERIM MEASURE RESULTS

2.1. GROUNDWATER SAMPLING

In December 2021, perimeter monitoring wells were installed at Humphrey Impoundment. Starting in January 2022, multiple rounds of monthly groundwater sampling data were collected in accordance with the *Humphrey Impoundment IM Work Plan* (Revision 2 dated March 29, 2022). On November 7, 2022, the Agencies approved a reduction in sampling frequency from monthly to quarterly. On October 30, 2023, the Agencies approved a reduction in gauging frequency from monthly to quarterly. On September 13, 2024, the Agencies approved an additional reduction in groundwater gauging, groundwater sampling, and surface water sampling frequency from quarterly to semi-annually.

As shown on **Figure 2**, groundwater samples were originally collected from 18 monitoring wells around the perimeter of the impoundment. These wells are HI10-MWS, HI11-MWS, HI12-MWS, HI13-MWS, HI14-MWS, HI15-MWS, HI16-MWS, HI17-MWS, HI18-MWS, HI19-MWS, HI20-MWS (replaced with HI20R2-MWS), HI21-MWS, HI22-MWS, TM04-PZM006, TM08R-PZM007, HI02-PZM006 (replaced with HI02R-PZM006), HI04-PZM006 (now abandoned), and HI07-PZM005 (replaced with HI07R-PZM005).

Groundwater samples were analyzed for volatile organic compounds (VOCs) via the USEPA method 8260 and semi-volatile organic compounds (SVOCs) via USEPA method 8270 during the groundwater monitoring events. Groundwater analytical results for the monitoring well sampling are included in **Table 1** and **Table 2**. Project Action Limit (PAL) exceedances for each of the sampling rounds are shown on **Figure 3.**

The groundwater PALs are based on the USEPA Maximum Contaminant Level or the USEPA Regional Screening Level for tap water. The laboratory reports are included in **Appendix A**.

2.1.1. 1st Half 2025 Groundwater Sampling

During the 1st Half 2025 sampling event (conducted between April 8 and April 15th), 16 monitoring wells were sampled. No sample was collected from HI17-MWS (dry), and HI04-PZM006 is abandoned.

Benzene exceedances of the groundwater PAL (5 micrograms per liter, or µg/L) were observed in two baseline monitoring wells: HI19-MWS (12 µg/L) and TM04-PZM006 (64 µg/L). Measured benzene concentrations are consistent with historical values observed at these locations.

Naphthalene exceedances of the groundwater PAL (0.12 µg/L) were observed at 14 of 16 baseline monitoring wells sampled, with the maximum concentration observed in HI19-MWS (52 µg/L). Naphthalene concentrations are consistent with historical values. Historically, the maximum naphthalene concentrations for this study area have been detected at TM04-PZM006. However, naphthalene concentrations have been fluctuating at TM04-PZM006 over the last several quarters:

13 µg/L during the 2nd quarter 2024, 130 µg/L during the 2nd Half 2024, and 0.16 µg/L during the most recent sampling event. Concentrations at TM04-PZM006 will continue to be monitored for trend changes.

Benz[a]anthracene exceedances of the groundwater PAL (0.03 µg/L) were observed in four of the 16 monitoring wells samples, with the maximum concentration observed in HI12-MWS (0.09 µg/L). Benz[a]anthracene concentrations are consistent with historical values observed at these locations. There were also exceedances for bis(2-Ethylhexyl)phthalate (PAL of 6 µg/L) in one well (concentration of 8.2 µg/L in HI15-MWS) and pentachlorophenol (PAL of 1 µg/L) in two wells (concentrations of 8.0 J µg/L and 6.3 J µg/L in HI07R-MWS and HI18-MWS respectively).

2.1.2. Groundwater Sampling Trends

Benzene and naphthalene historic groundwater sampling results are compiled in **Table 2**. Trend plots for benzene and naphthalene (for wells where PAL exceedances have been identified in one or more monitoring events) are included as **Figure 4** and **Figure 5,** respectively. Overall, benzene and naphthalene concentrations in the wells do not appear to be changing as the impoundment is being filled.

As shown on **Figure 4**, monitoring well location TM04-PZM006 continues to be the main area of benzene groundwater impact. Historically, groundwater sampling results for this area are available from December 2001, July 2004, October 2017, and October 2021. A Mann-Kendall analysis of the benzene and naphthalene groundwater concentrations was conducted via the ChemStat 6.5 statistical software from 2001 – April 2025. Monitoring well TM04-PZM006 was evaluated with a 95% confidence factor and identified statistically significant decreasing trends in the benzene and naphthalene concentrations. The analysis output file is included in **Appendix B**.

2.1.3. B24 Groundwater Sampling

On April 8th and 15th, 2025, ARM sampled all three shallow monitoring wells on Parcel B24: B24-001-MWS, B24-002-MWS and TS03-DDP002. These three monitoring wells are located to the west of the impoundment and were included in the monitoring program as sentinel wells to identify potential migration towards Bear Creek.

The three monitoring wells were sampled for VOCs via USEPA Method 8260 and SVOCs by USEPA Method 8270 SIM. All results from the 1st Half 2025 sampling event are included in **Table 3**. The laboratory reports are included in **Appendix A**. All groundwater PAL exceedances are included in **Figure 3**.

Benzene did not exceed the groundwater PAL in the three Parcel B24 sentinel monitoring wells. B24-002-MWS had three VOC exceedances: a concentration of 4.5 µg/L of bromodichloromethane (PAL of 0.13 µg/L), 7.9 µg/L of bromoform (PAL of 3.3 µg/L), and 2.9 µg/L of chloroform (PAL of 0.22 µg/L). For SVOCs, naphthalene exceeded the groundwater PAL (0.12 µg/L) in B24-001-MWS, with an observed concentration of 3.6 µg/L. Groundwater

concentrations at the Parcel B24 sentinel monitoring wells have remained low since sampling began in May 2022 (following well installation in April 2022).

2.2. Surface Water Sampling

Surface water samples were collected in April 2025 from four locations: TMC-Outlet (End of Canal), TMC-TM04 (adjacent to TM04-PZM006), TMC-Bend (from the bend in the TMC in the southeastern corner of B14, adjacent to HI15-MWS), and TMC-Rail Bridge (Mid Canal) (refer to **Figure 2**). All surface water samples were analyzed for VOCs via USEPA Method 8260 and SVOCs by USEPA Method 8270 SIM.

For comparison purposes, the USEPA Region 4 Surface Water Screening Values (for freshwater and chronic) (Region 4 Ecological Risk Assessment Supplemental Guidance, March 2018) were included in **Table 4** for parameters with detections. The laboratory reports are included in **Appendix A**.

For the 1st Half of 2025, benzene and naphthalene did not exceed the freshwater screening levels (160 µg/L and 21 µg/L, respectively). Benzene concentrations ranged from 0.17 J µg/L to 0.42 µg/L for benzene, while all naphthalene results were non-detect. Benzene and naphthalene historic surface water sampling results are compiled in **Table 5**.

Benzo[g,h,i]perylene did exceed its freshwater screening level at TMC-Outlet, with a concentration of 0.03 J µg/L versus the screening level of 0.012 µg/L. There were no other exceedances of surface water screening levels in the 1st Half of 2025.

2.3. Groundwater Elevation

To assess potential impacts from the IM on groundwater flow direction, TPA is conducting groundwater gauging throughout the duration of the development/remedial activities. On October 30, 2023, the Agencies approved a reduction in gauging frequency from monthly to quarterly. Gauging results are summarized in **Table 6**. Gauging results from the 1st Half of 2025 have been used to create groundwater elevation contour maps, included as **Figure 6**. The following wells are not included in the gauging: HI17-MWS (dry) and HI20R2-MWS (not surveyed).

During groundwater monitoring events, each groundwater point was checked for the presence of NAPL using an oil-water interface probe. Apart from monitoring well HI17-MWS and HI20R-MWS, discussed below, NAPL was not identified in any of the monitoring wells.

2.4. NAPL Observations

During groundwater gauging on April 18, 2022, approximately 0.02 ft of NAPL was identified in HI17-MWS. MDE was notified of the NAPL detection on April 19, 2022. HI17-MWS was gauged at least weekly following this detection, with NAPL thickness ranging from the initial detection of 0.02 ft to not measurable. Three enhanced fluid recovery events were conducted at HI17-MWS

between April and May 2022; minimal product was recovered. In July 2022, a 10-foot-long trench was advanced to groundwater within the impoundment, approximately 20 feet west of HI17-MWS. No NAPL was observed within the trench for several weeks prior to backfilling.

Since July 2022, absorbent socks have been utilized in HI17-MWS, with an absorbent sock placed into the well for one month and then removed for one month to evaluate the amount of potential NAPL recharge into the well. A summary of NAPL observations during the 1st Half of 2025 is provided in **Table 7**. NAPL thickness has not increased at this location, with only trace amounts observed. Absorbent socks had either trace product or were ~1/3 saturated with product at removal. Absorbent socks will continue to be used at this location to remove NAPL from the well.

Monitoring well HI20-MWS was abandoned in March 2023 due to anticipated development activities on Sub-Parcel B8-1. Monitoring well HI20R-MWS was installed in January 2024, approximately 53 feet south of the previous well location due to construction of the Parcel B8-1 building pad; the HI20R-MWS location is within Parcel B14/Humphrey Impoundment (refer to **Figure 2**). During well installation, a black tar-like substance was observed at several depths in the boring. Monitoring well HI20R-MWS was developed on January 25, 2024, and no NAPL was identified. On February 20, 2024, the monitoring well was gauged before the Q1 2024 sampling event; 0.73 ft of NAPL was observed in the well. An absorbent sock was deployed in the well. However, subsequent gauging at HI20R-MWS have identified less than 0.02 ft of NAPL; the initial NAPL observation appears to have been an erroneous measurement due to the viscous nature of the NAPL. A summary of NAPL observations during the 1st Half of 2025 is provided in **Table 7**; 0.02 ft of NAPL was observed in January 2025, with all other months having trace amounts of NAPL or being dry. Absorbent socks had either trace product or were ~1/4 saturated with product at removal. This location will continue to be gauged, and absorbent socks deployed as needed.

Monitoring well HI20R2-MWS was installed in March 2024 directly next to the abandoned HI20-MWS well. Due to its proximity to HI20R-MWS, an absorbent sock was deployed in the well. No NAPL has been detected during monthly monitoring since its installation.

3.0 SUMMARY AND CONCLUSIONS

The IM Work Plan for the Humphrey Impoundment (Revision 2 dated March 29, 2022) was proposed as a component of the final remedy for the waste material contained in the Parcel B14 impoundment. The IM Work Plan proposed groundwater and surface water gauging and sampling to monitor the site conditions as the Humphrey Impoundment is filled, in preparation for development.

Filling of the impoundment is approximately 95% complete, with paving approximately 50% complete. Since commencement of the filling of HI, there have been no significant changes in groundwater concentrations, surface water concentrations, or groundwater elevations, and no seasonal trends have been identified. TMC surface-water elevation continues to be largely controlled at the HCWWTP intake. Groundwater gauging, groundwater sampling, and surface water sampling will continue to be conducted on a semi-annual basis.

Monitoring wells HI17-MWS and HI20R-MWS, where NAPL/sheen has been observed, will continue to be gauged monthly, with absorbent socks deployed as needed.

The next IM Report will be submitted following completion of groundwater and surface water activities for the second half of 2025.

FIGURES

Tradepoint Atlantic Property
Parcel B14 Site Location
February 20, 2023

Figure
1

ARM Group LLC
Engineers and Scientists

0 500 1,000 2,000
Feet

Tradepoint Atlantic
Sparrows Point
Baltimore County, MD
ARM Project No. 21010214

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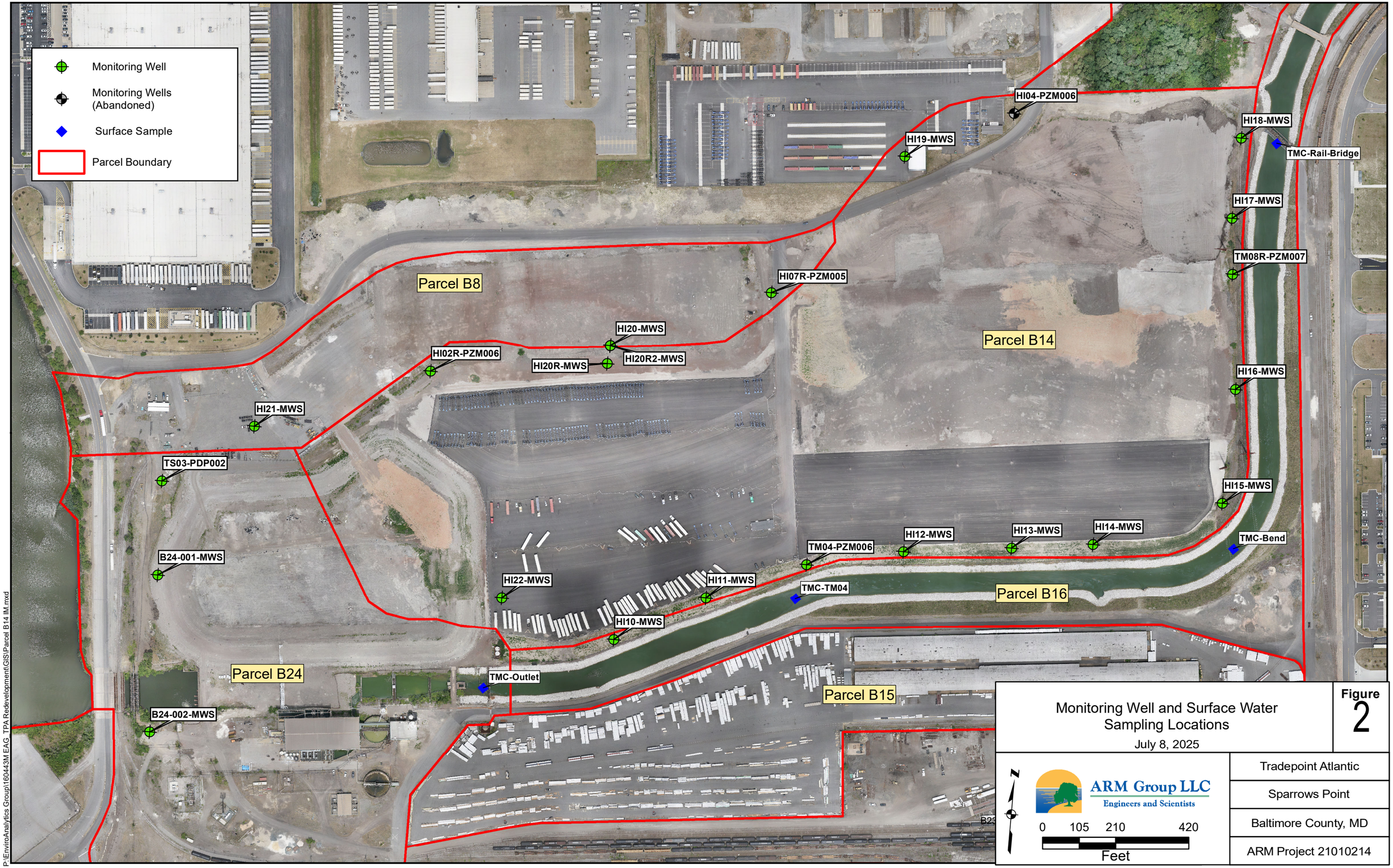

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Monitoring Well and Surface Water Sampling Locations

July 8, 2025

Figure 2

ARM Group LLC
Engineers and Scientists

0 105 210 420
Feet

Tradepoint Atlantic

Sparrows Point

Baltimore County, MD

ARM Project 21010214

Monitoring Well

Monitoring Wells (Abandoned)

Surface Sample

Parcel Boundary

Notes:
1. All results in ug/L.
2. NE = No Exceedances

HI04-PZM006

HI19-MWS
Benzene: 12
Naphthalene: 52

HI18-MWS
Naphthalene: 0.27
Pentachlorophenol: 6.3 J

TMC-Rail-Bridge

HI17-MWS
NS

TM08R-PZM007
NE

HI07R-PZM005
Naphthalene: 5.4
Pentachlorophenol: 8.0 J

HI20R2-MWS
Naphthalene: 0.44

HI20-MWS
NM

HI02R-PZM006
Naphthalene: 8.0

HI16-MWS
Benzo[a]anthracene: 0.06
Naphthalene: 1.6

HI20R-MWS
NM

HI21-MWS
NE

TS03-PDP002
NE

HI15-MWS
bis(2-Ethylhexyl)phthalate: 8.2
Naphthalene: 0.64

HI12-MWS
Benzo[a]anthracene: 0.09
Naphthalene: 0.20

HI13-MWS
Naphthalene: 0.21

HI14-MWS
Naphthalene: 0.81

TM04-PZM006
Benzene: 64
Naphthalene: 0.12

HI11-MWS
Benzo[a]anthracene: 0.04 J
Naphthalene: 0.92

TMC-Bend

B24-001-MWS
Naphthalene: 3.6

HI22-MWS
Naphthalene: 0.16

HI10-MWS
Benzo[a]anthracene: 0.07
Naphthalene: 33

TMC-TM04

B24-002-MWS
Bromodichloromethane: 4.5
Bromoform: 7.9
Chloroform: 2.9
Dibromochloromethane: 6.9

TMC-Outlet

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Groundwater PAL Exceedances
1st Half 2025

July 10, 2025

Figure 3

ARM Group LLC
Engineers and Scientists

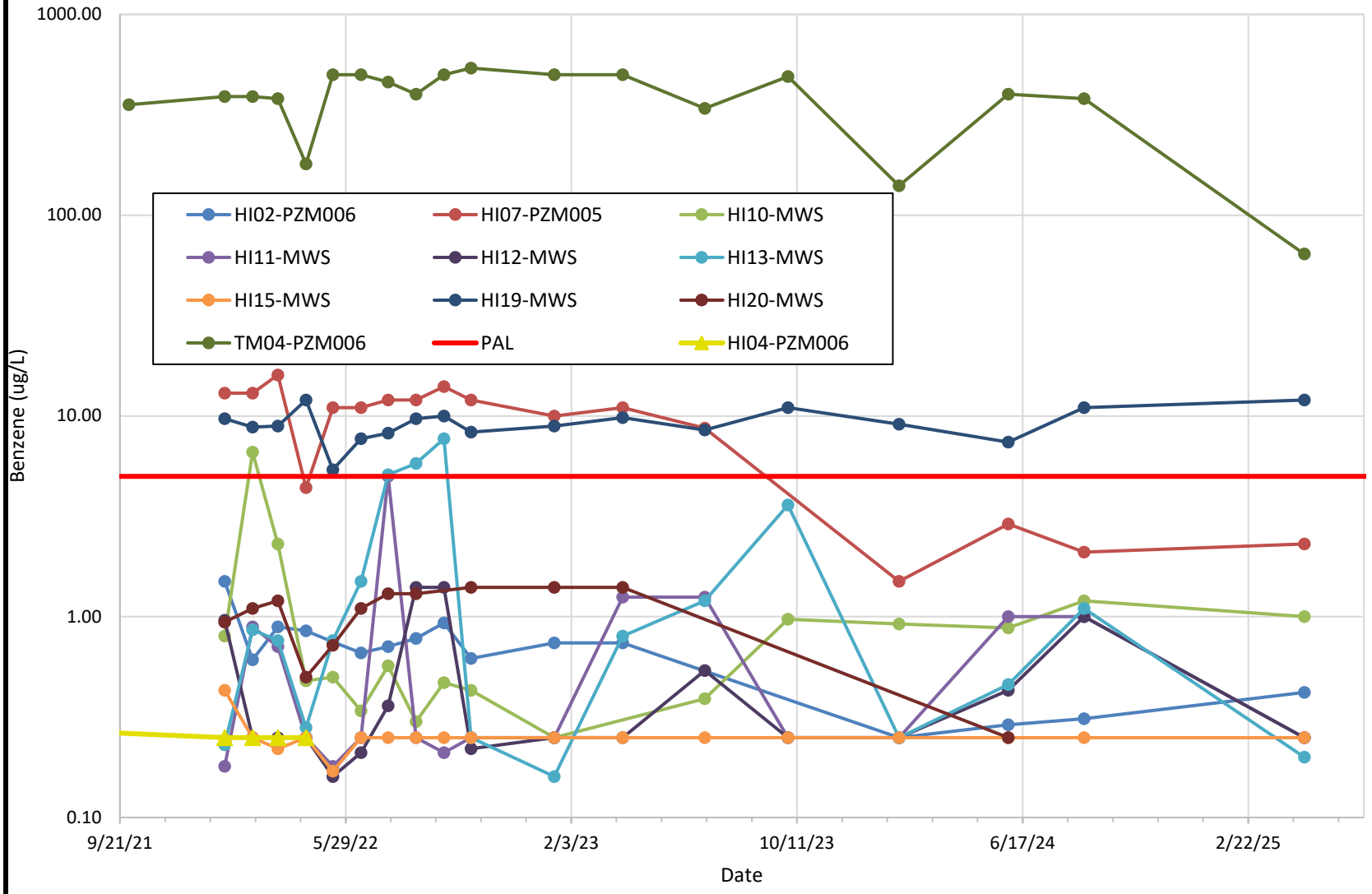
0 105 210 420
Feet

Tradepoint Atlantic

Sparrows Point

Baltimore County, MD

ARM Project 21010214



ARM Group LLC
Engineers and Scientists

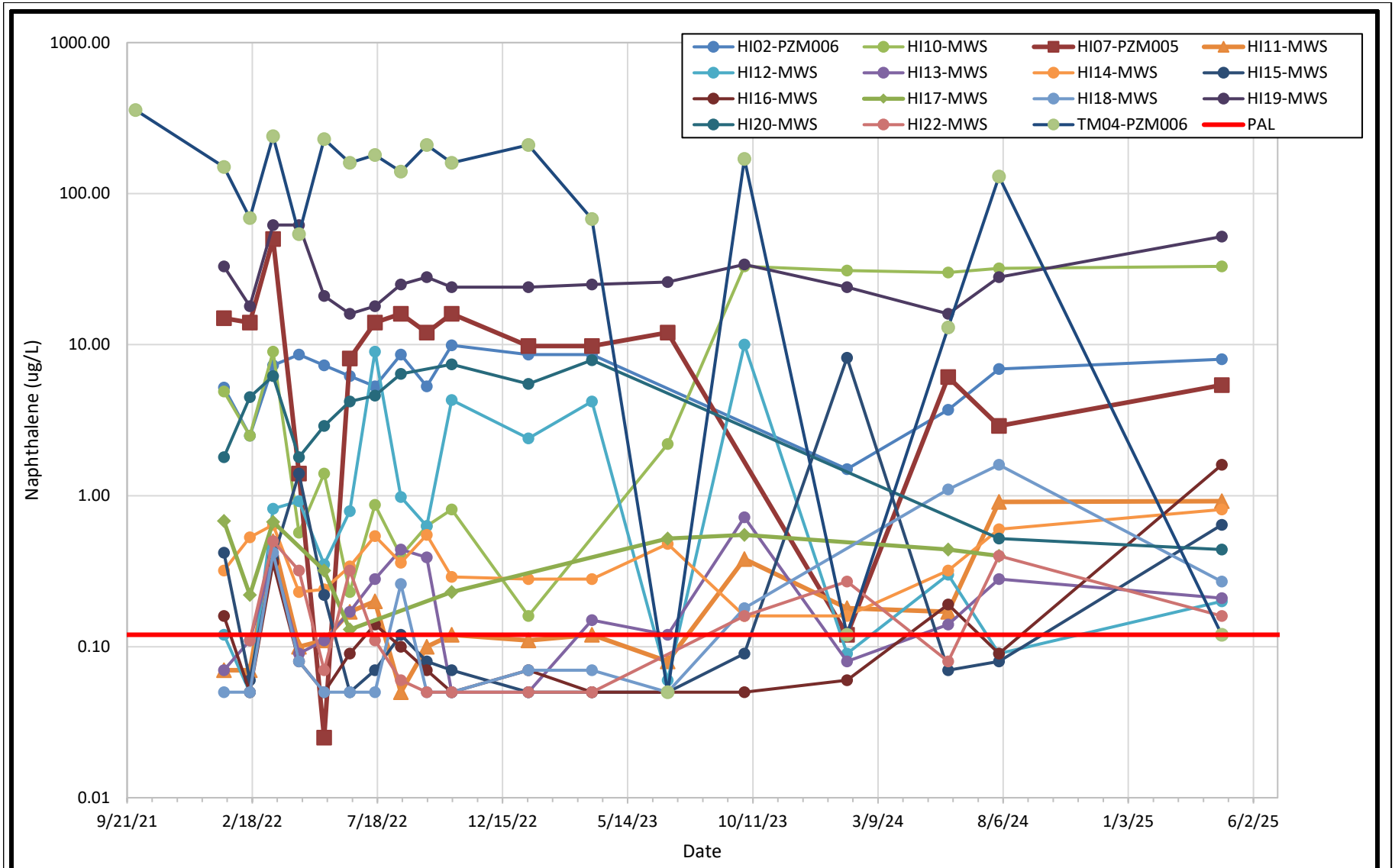
Parcel B14
Tradepoint Atlantic

Sparrows Point,
Maryland

B14 Historic Groundwater Results for Benzene

July 2, 2025

Figure 4



ARM Group LLC
Engineers and Scientists

Parcel B14
Tradepoint Atlantic

Sparrows Point,
Maryland

B14 Historic Groundwater Results for Naphthalene

July 2, 2025

Figure 5

Monitoring Well

Monitoring Wells (Abandoned)

Surface Sample

April 2025 GW Contour

Parcel Boundary

Note:
NM = Not Measured

HI04-PZM006
NM

HI19-MWS
1.36

HI18-MWS
1.23

TMC-Rail-Bridge

HI17-MWS
Dry

TM08R-PZM007
1.28

HI07R-PZM005
1.57

Parcel B8

HI20R2-MWS
Not Surveyed

HI20-MWS
NM

HI20R-MWS
Dry

HI02R-PZM006
1.61

Parcel B14

HI16-MWS
1.29

HI21-MWS
0.60

TS03-PDP002
0.56

HI15-MWS
1.23

B24-001-MWS
0.50

HI22-MWS
-1.46

HI11-MWS
-1.94

TM04-PZM006
-0.21

HI12-MWS
2.43

HI13-MWS
1.03

HI14-MWS
1.04

TMC-Bend

TMC-TM04

Parcel B16

HI10-MWS
1.26

Parcel B24

TMC-Outlet

Parcel B15

B24-002-MWS
1.12

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Groundwater Elevation Contour Map
1st Half 2025
July 8, 2025

Figure
6

ARM Group LLC
Engineers and Scientists

0 105 210 420
Feet

Tradepoint Atlantic

Sparrows Point

Baltimore County, MD

ARM Project 21010214

TABLES

Table 1 - Parcel B14 Groundwater Sampling (1st Half 2025)
Summary of Organics Detected in Groundwater

Parameter		Units	PAL	HI02R-PZM006 4/8/2025	HI07R-PZM005 4/9/2025	HI10-MWS 4/14/2025	HI11-MWS 4/14/2025	HI12-MWS 4/14/2025	HI13-MWS 4/15/2025	HI14-MWS 4/10/2025	HI15-MWS 4/10/2025
SVOCs											
1,1-Biphenyl	SVOC	µg/L	0.83	**0.24 J**	**0.26 J**	**0.32 J**	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*
2,4-Dimethylphenol	SVOC	µg/L	360	**5.5**	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
2-Methylnaphthalene	SVOC	µg/L	36	**0.90**	**0.85**	**1.9**	**0.04 J**	*0.1 U*	*0.1 U*	**0.05 J**	**0.04 J**
2-Methylphenol	SVOC	µg/L	930	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
3&4-Methylphenol(m&p Cresol)	SVOC	µg/L	930	*5 U*	**3.6 J**	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Acenaphthene	SVOC	µg/L	530	**1.4**	**0.55**	**2.2**	**0.07 J**	*0.1 U*	*0.1 U*	**1.6**	*0.1 U*
Acenaphthylene	SVOC	µg/L	530	0.05 J	**0.36**	**0.57**	**0.05 J**	**0.04 J**	*0.1 U*	**0.05 J**	*0.1 U*
Anthracene	SVOC	µg/L	1800	**0.97**	**0.28**	**0.40**	**0.12**	**0.09 J**	**0.04 J**	**0.19**	**0.06 J**
Benzo[a]anthracene	SVOC	µg/L	0.03	*0.05 U*	*0.05 U*	**0.07**	**0.04 J**	**0.09**	*0.05 U*	*0.05 U*	*0.05 U*
Benzo[a]pyrene	SVOC	µg/L	0.20	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*	**0.03 J**	*0.1 U*	*0.1 U*	*0.1 U*
Benzo[b]fluoranthene	SVOC	µg/L	0.25	*0.05 U*	*0.05 U*	**0.03 J**	*0.05 U*	**0.07**	*0.05 U*	*0.05 U*	*0.05 U*
Benzo[g,h,i]perylene	SVOC	µg/L	-	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*	**0.04 J**	*0.1 U*	*0.1 U*	*0.1 U*
bis(2-Ethylhexyl)phthalate	SVOC	µg/L	6.0	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	**8.2**
Carbazole	SVOC	µg/L	-	**0.42 J**	**0.92 J**	**4.2**	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*
Chrysene	SVOC	µg/L	25	*0.1 U*	**0.05 J**	**0.04 J**	*0.1 U*	**0.04 J**	*0.1 U*	*0.1 U*	*0.1 U*
Fluoranthene	SVOC	µg/L	800	**0.15**	**0.89**	**0.72**	**0.07 J**	**0.10 J**	*0.1 U*	**0.18**	*0.1 U*
Fluorene	SVOC	µg/L	290	**1.0**	**0.76**	**1.8**	**0.04 J**	*0.1 U*	*0.1 U*	**0.82**	**0.03 J**
Indeno[1,2,3-c,d]pyrene	SVOC	µg/L	0.25	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*	**0.04 J**	*0.1 U*	*0.1 U*	**1.1 J**
Naphthalene	SVOC	µg/L	0.12	**8.0**	**5.4**	**33**	**0.92**	**0.20**	**0.21**	**0.81**	**0.64**
Pentachlorophenol	SVOC	µg/L	1.0	*10 U*	**8.0 J**	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Phenanthrene	SVOC	µg/L	-	**0.96**	**1.5**	**2.8**	**0.06**	**0.07**	*0.05 U*	**0.85**	*0.05 U*
Phenol	SVOC	µg/L	5800	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Pyrene	SVOC	µg/L	120	**0.10**	**0.56**	**0.53**	**0.06 J**	**0.08 J**	*0.1 U*	**0.11**	*0.1 U*
VOCs											
1,1-Dichloroethane	VOC	µg/L	2.7	*0.75 U*	**0.26 J**	*0.75 U*	*0.75 U*	*0.75 U*	*0.75 U*	*0.75 U*	*0.75 U*
Acetone	VOC	µg/L	14000	**3.1 J**	**4.6 J**	**2.9 J**	**5.2**	**4.5 J**	**3.7 J**	**2.2 J**	**3.2 J**
Benzene	VOC	µg/L	5.0	**0.42 J**	**2.3**	**1.0**	*0.5 U*	*0.5 U*	**0.20 J**	*0.5 U*	*0.5 U*
Ethylbenzene	VOC	µg/L	700	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
m&p-Xylene	VOC	µg/L	-	*1 U*	**0.88 J**	**0.36 J**	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
o-Xylene	VOC	µg/L	-	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	VOC	µg/L	1000	*0.75 U*	**1.5**	**0.46 J**	*0.75 U*	*0.75 U*	*0.75 U*	*0.75 U*	*0.75 U*
Vinyl chloride	VOC	µg/L	2.0	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Xylenes	VOC	µg/L	10000	*1 U*	**0.88 J**	**0.36 J**	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*

Detections in bold
Exceedances of EPA Region 4 Surface Water Screening Levels (freshwater, chronic) in red

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
J: The positive result reported for this analyte is a quantitative estimate.
JB: The positive result reported for this analyte is a quantitative estimate and was detected above the reporting limits in the associated method blank.
B: The analyte was detected above the reporting limits in the associated method blank.
µg/L: micrograms per liter
PAL: Project Action Limit

Table 1 - Parcel B14 Groundwater Sampling (1st Half 2025)
Summary of Organics Detected in Groundwater

Parameter		Units	PAL	HI16-MWS 4/10/2025	HI18-MWS 4/9/2025	HI19-MWS 4/10/2025	HI20R2-MWS 4/9/2025	HI21-MWS 4/10/2025	HI22-MWS 4/14/2025	TM04-PZM006 4/15/2025	TM08R-PZM007 4/9/2025
SVOCs											
1,1-Biphenyl	SVOC	µg/L	0.83	*2 U*	*2 U*	**0.76 J**	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*
2,4-Dimethylphenol	SVOC	µg/L	360	*5 U*	*5 U*	**150**	8.1	*5 U*	*5 U*	*5 U*	*5 U*
2-Methylnaphthalene	SVOC	µg/L	36	**0.08 J**	0.05 J	**3.7**	0.12	*0.1 U*	**0.03 J**	*0.1 U*	*0.1 U*
2-Methylphenol	SVOC	µg/L	930	*5 U*	*5 U*	**3.2 J**	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
3&4-Methylphenol(m&p Cresol)	SVOC	µg/L	930	*5 U*	3.3 J	**57**	4.8 J	*5 U*	*5 U*	*5 U*	*5 U*
Acenaphthene	SVOC	µg/L	530	**0.06 J**	0.07 J	**0.90**	0.17	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*
Acenaphthylene	SVOC	µg/L	530	**0.08 J**	0.06 J	**0.56**	0.04 J	*0.1 U*	**0.04 J**	**0.07 J**	*0.1 U*
Anthracene	SVOC	µg/L	1800	**0.35**	0.26	**0.30**	0.05 J	*0.1 U*	**0.08 J**	**0.08 J**	0.07 J
Benzo[a]anthracene	SVOC	µg/L	0.03	**0.06**	*0.05 U*	*0.1 U*	*0.05 U*	*0.05 U*	*0.05 U*	*0.05 U*	*0.05 U*
Benzo[a]pyrene	SVOC	µg/L	0.20	**0.04 J**	*0.1 U*	*0.2 U*	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*
Benzo[b]fluoranthene	SVOC	µg/L	0.25	**0.07**	*0.05 U*	*0.1 U*	*0.05 U*	*0.05 U*	**0.07**	*0.05 U*	*0.05 U*
Benzo[g,h,i]perylene	SVOC	µg/L	-	**0.03 J**	*0.1 U*	*0.2 U*	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*
bis(2-Ethylhexyl)phthalate	SVOC	µg/L	6.0	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*
Carbazole	SVOC	µg/L	-	*2 U*	0.81 J	**1.7 J**	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*
Chrysene	SVOC	µg/L	25	**0.04 J**	*0.1 U*	*0.2 U*	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*
Fluoranthene	SVOC	µg/L	800	**0.24**	0.05 J	**0.37**	0.13	*0.1 U*	**0.13**	**0.05 J**	0.03 J
Fluorene	SVOC	µg/L	290	*0.1 U*	0.04 J	1.0	0.19	*0.1 U*	*0.1 U*	*0.1 U*	0.03 J
Indeno[1,2,3-c,d]pyrene	SVOC	µg/L	0.25	**0.04 J**	*0.1 U*	*0.2 U*	*0.1 U*	*0.1 U*	**0.05 J**	*0.1 U*	*0.1 U*
Naphthalene	SVOC	µg/L	0.12	**1.6**	**0.27**	**52**	**0.44**	**0.05 J**	**0.16**	**0.12**	0.08 J
Pentachlorophenol	SVOC	µg/L	1.0	*10 U*	**6.3 J**	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*	*10 U*
Phenanthrene	SVOC	µg/L	-	**0.05**	*0.05 U*	**1.6**	0.29	*0.05 U*	**0.07**	*0.05 U*	*0.05 U*
Phenol	SVOC	µg/L	5800	*5 U*	*5 U*	**4.2 J**	*5 U*	*5 U*	*5 U*	*5 U*	*5 U*
Pyrene	SVOC	µg/L	120	**0.23**	*0.1 U*	**0.24**	0.13	*0.1 U*	*0.1 U*	**0.06 J**	*0.1 U*
VOCs											
1,1-Dichloroethane	VOC	µg/L	2.7	*0.75 U*	*0.75 U*	*0.75 U*	*0.75 U*	*0.75 U*	*0.75 U*	**0.22 J**	*0.75 U*
Acetone	VOC	µg/L	14000	**7.4**	**5.3**	**2.7 J**	**2.8 J**	*5 U*	**5.1**	**5.8**	**3.3 J**
Benzene	VOC	µg/L	5.0	*0.5 U*	*0.5 U*	**12**	**0.32 J**	*0.5 U*	**0.23 J**	**64**	*0.5 U*
Ethylbenzene	VOC	µg/L	700	*0.5 U*	*0.5 U*	**0.19 J**	*0.5 U*	*0.5 U*	*0.5 U*	**0.71**	*0.5 U*
m&p-Xylene	VOC	µg/L	-	*1 U*	*1 U*	**2.0**	*1 U*	*1 U*	*1 U*	**0.65 J**	*1 U*
o-Xylene	VOC	µg/L	-	*1 U*	*1 U*	**1.0**	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*
Toluene	VOC	µg/L	1000	*0.75 U*	*0.75 U*	**4.1**	*0.75 U*	*0.75 U*	*0.75 U*	**0.36 J**	*0.75 U*
Vinyl chloride	VOC	µg/L	2.0	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	**0.15 J**	*1 U*
Xylenes	VOC	µg/L	10000	*1 U*	*1 U*	**3.0**	*1 U*	*1 U*	*1 U*	**0.65 J**	*1 U*

Detections in bold
Exceedances of EPA Region 4 Surface Water Screening Levels (freshwater, chronic) in red

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.
J: The positive result reported for this analyte is a quantitative estimate.
JB: The positive result reported for this analyte is a quantitative estimate and was detected above the reporting limits in the associated method blank.
B: The analyte was detected above the reporting limits in the associated method blank.
µg/L: micrograms per liter
PAL: Project Action Limit

Table 2 - Parcel B14 Groundwater Sampling
Historic Groundwater Sampling Results

Benzene (µg/L)																						
Well ID	PAL	Dec-01	Jul-04	Oct-17	Oct-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Jan-23	Apr-23	Jul-23	Oct-23	Feb-24	Jun-24	Aug-24	Apr-25
HI02-PZM006 / HI02R-PZM006	5	**1.2**		**0.88 J**	NS	**1.5**	**0.61**	**0.89**	**0.85**	**0.75**	**0.66**	**0.71**	**0.78**	**0.93**	**0.62**	**0.74**	**0.74**			*0.5 U*	*0.29 J*	**0.31 J**	**0.42 J**
HI04-PZM006	5	*1 U*		*1 U*	NS	*0.5 U*	*0.5 U*	*0.50 U*	*0.5 U*														
HI07-PZM005 / HI07R-PZM005	5	**25**	**16**	**16.2**	NS	**13.0**	**13.0**	**16.0**	**4.4**	**11**	**11**	**12.0**	**12.0**	**14**	**12**	**10**	**11**	**8.7**		**1.5**	**2.9**	**1.2**	**2.3**
HI10-MWS	5					**0.8**	**6.6**	**2.3**	**0.48 J**	*1.0 U*	**0.34 J**	**0.57**	**0.30 J**	**0.47 J**	**0.43 J**	*0.50 U*	**0.69**	**0.39 J**	**0.97**	**0.92**	**0.88**	**1.2**	**1.0**
HI11-MWS	5					**0.18 J**	**0.89**	**0.71**	*0.5 U*	**0.18 J**	*0.50 U*	*10 U*	*0.50 U*	**0.21 J**	*0.50 U*	*0.50 U*	*2.5 U*	*2.5 U*	*0.5 U*	*0.5 U*	*2 U*	**1.0**	*0.5 U*
HI12-MWS	5					**0.96**	*0.5 U*	*0.50 U*	*0.5 U*	**0.16 J**	**0.21 J**	**0.36 J**	**1.4**	**1.4**	**0.22 J**	*0.50 U*	*0.5 U*	**0.54**	*0.5 U*	*0.5 U*	**0.43 J**	**1.0**	*0.5 U*
HI13-MWS	5					**0.23 J**	**0.86**	**0.76**	**0.28 J**	**0.76**	**1.5**	**5.1**	**5.8**	**7.7**	*0.50 U*	**0.16 J**	0.8	**1.2**	**3.6**	*0.5 U*	**0.46 J**	**1.1**	**0.2 J**
HI14-MWS	5					*0.5 U*	*0.5 U*	*0.50 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.5 U*	*0.5 U*	**0.5 U**	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
HI15-MWS	5					**0.43 J**	*0.5 U*	**0.22 J**	*0.5 U*	**0.17 J**	*0.5 U*	*0.5 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
HI16-MWS	5					*0.5 U*	*0.5 U*	*0.50 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
HI17-MWS	5					*0.5 U*	*0.5 U*	*0.50 U*	NS (b)	*0.5 U*	*0.5 U*	NS (b)	NS (b)	NS (b)	*0.50 U*	NS (b)	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	NS*
HI18-MWS	5					*0.5 U*	*0.5 U*	*0.50 U*	*0.5 U*	*0.5 U*	*2.5 U*	*0.5 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.5 U*	*0.5 U*	*0.5 U*	**0.23 J**	**0.16 J**	**0.16 J**	*0.5 U*
HI19-MWS	5					**9.7**	**8.8**	**8.9**	**12**	**5.4**	**7.7**	**8.2**	**9.7**	**10**	**8.3**	**8.9**	**9.8**	**8.5**	**11**	**9.1**	**7.4**	**11**	**12**
HI20-MWS / HI20R2-MWS	5					**0.94**	1.1	**1.2**	**0.50**	**0.72**	**1.10**	**1.3**	**1.3**	NS (c)	**1.4**	**1.4**	**1.4**					**0.35 J**	**0.32 J**
HI20R-MWS	5																				*0.5 U*	NS	NS
HI21-MWS	5									*0.50 U*	*0.5 U*	*0.5 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*
HI22-MWS	5						*2.5 U*	*0.50 U*	*5 U*	*0.50 U*	*2.5 U*	*5 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.50 U*	*2.5 U*	NS	**0.3 J**	**0.44 J**	**0.46 J**	**0.2 J**	**0.23 J**
TM04-PZM006	5	**1400**	**610**	**653**	**355**	**390**	**390**	**380**	**180**	**500**	**500**	**460**	**400**	**500**	**540**	**500**	**500**	**340**	**490**	**140**	**400**	**380**	**64**
TM08R-PZM007	5	*1 U*		*1 U*	NS	*0.5 U*	*0.5 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.5 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.50 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation / detection limit.
J: The positive result reported for this analyte is a quantitative estimate.
B: The analyte was detected above the reporting limits in the associated method blank.
NS: Not Sampled
µg/L: micrograms per liter
PAL: Project Action Limit
(a) Analysis was re-run due to B qualifier.
(b) HI17-MWS was not sampled in January 2023 due to trace NAPL.
(c) HI20-MWS was within an active demoltion area and could not be safely accessed.
* Well was dry.

Well not installed
Well damaged/abandoned

Table 2 - Parcel B14 Groundwater Sampling
Historic Groundwater Sampling Results

Naphthalene (µg/L)																						
Well ID	PAL	Dec-01	Jul-04	Oct-17	Oct-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Jan-23	Apr-23	Jul-23	Oct-23	Feb-24	Jun-24	Aug-24	Apr-25
HI02-PZM006 / HI02R-PZM006	0.12	**7.3 J**		**5.1**	NS	**5.2**	**2.5**	**7.3**	**8.6**	**7.3**	**6.2**	**5.3**	**8.6**	**5.3**	**9.9**	**8.6**	**8.6**			**1.5**	**3.7**	**6.9**	**8.0**
HI04-PZM006	0.12			**0.15**	NS	*0.1 U*	*0.1 U*	*1.0 U*	**0.06 J**														
HI07-PZM005 / HI07R-PZM005	0.12	**40**	**16**	**26.1**	NS	**15**	**14.0**	**50**	**1.4**	**0.05 J**	**8.1**	**14.0**	**16**	**12**	**16**	**10**	**9.8**	**12**		**0.12**	**6.1**	**2.9**	**5.4**
HI10-MWS	0.12					**4.9**	**2.5**	**9.0**	**0.57**	**1.4**	**0.23**	**0.87**	**0.4**	**0.63**	**0.81**	**0.16**	**2.8**	**2.2 B**	**33**	**31**	**30**	**32**	**33**
HI11-MWS	0.12					**0.07 J**	**0.07 J**	*1.0 U*	**0.10**	**0.11**	**0.17**	**0.20**	*0.10 U*	0.10	**0.12**	**0.11**	**0.12**	**0.08 JB**	**0.38**	**0.18**	**0.17**	**0.91**	**0.92**
HI12-MWS	0.12					**0.12**	*0.1 U*	**0.82 J**	**0.92**	**0.35**	**0.79**	**9.0**	**0.98**	**0.63**	**4.3**	**2.4**	**4.2**	**0.06 J**	**10**	**0.09 J**	**0.30**	**0.09 J**	**0.20**
HI13-MWS	0.12					**0.07 J**	**0.11**	**0.40 J**	**0.09 J**	0.11	**0.17**	**0.28**	**0.44**	**0.39**	*0.1 U*	*0.10 U*	**0.15**	**0.12 B**	**0.72 B**	**0.08 J**	**0.12**	**0.28**	**0.21**
HI14-MWS	0.12					**0.32**	**0.53**	**0.64 J**	**0.23**	**0.24**	**0.34**	**0.54**	**0.36**	**0.55**	**0.29**	**0.28**	**0.28**	**0.48**	**0.16**	**0.16**	**0.32**	**0.6**	**0.81**
HI15-MWS	0.12					**0.42**	**0.06 J**	**0.38 J**	**1.4**	**0.22**	*0.10 U*	**0.07 J**	**0.12**	**0.08 J**	**0.07 J**	*0.10 U*	*0.1 U*	*0.1 U*	**0.09 J**	**8.2**	**0.05 J**	**0.08 J**	**0.64**
HI16-MWS	0.12					**0.16**	*0.1 U*	**0.36 J**	**0.08 J**	*0.10 U*	**0.09 J**	**0.14**	**0.10 J**	**0.07 J**	*0.1 U*	**0.07 J**	*0.1 U*	*0.1 U*	*0.1 U*	**0.06 JB**	**0.19**	**0.09 J**	**1.6**
HI17-MWS	0.12					**0.68**	**0.22**	**0.67 J**	NS (b)	**0.32**	**0.13**	NS (b)	NS (b)	NS (b)	**0.23**	NS (b)	**0.27**	**0.52**	**0.55**	**0.44 B**	**0.39**	**0.40**	NS
HI18-MWS	0.12					*0.1 U*	*0.1 U*	**0.42 J**	**0.08 J**	*0.10 U*	**0.05 JB**	*0.1 U*	**0.26**	*0.10 U*	**0.05 J**	**0.07 J**	**0.07 J**	*0.1 U*	**0.18**	**0.44 B**	**1.1**	**1.6**	**0.27**
HI19-MWS	0.12					**33**	**18.0**	**62**	**62**	**21**	**16**	**18.0**	**25**	**28**	**24**	**24**	**25**	**26**	**34**	**24**	**3.3**	**28**	**52**
HI20-MWS / HI20R2-MWS	0.12					**1.8**	**4.5**	**6.2**	**1.8**	**2.9**	**4.2**	**4.6**	**6.4**	NS (c)	**7.4**	**5.5**	**7.9**					**0.52**	**0.44**
HI20R-MWS	0.12																				**0.16**	NS	NS
HI21-MWS	0.12									**0.07 J**	**0.06 J**	**0.06 J**	**0.26 B / 0.07 J (a)**	**0.08 J**	**0.12**	*0.10 U*	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*	**0.38**	**0.05 J**
HI22-MWS	0.12						**0.11**	*1.0 U*	**0.32**	**0.07 J**	**0.32**	**0.11**	**0.06 J**	*0.10 U*	*0.10 U*	*0.10 U*	*0.1 U*	NS	**0.16 J**	**0.27**	**0.08 J**	**0.40**	**0.16**
TM04-PZM006	0.12	**200**	**51**	**405**	**358**	**150 E**	**69**	**240**	**54**	**230**	**160**	**180**	**140**	**210**	**160**	**210**	**68**	*0.1 U*	**170**	**0.12**	**13.0**	**130**	**0.12**
TM08R-PZM007	0.12	*10 U*		**0.096 J**	NS	*0.1 U*	**0.10**	*1.0 U*	*0.1 U*	*0.10 U*	*0.10 U*	*0.1 U*	*0.10 U*	*0.10 U*	*0.10 U*	*0.10 U*	*0.1 U*	*0.1 U*	*0.1 U*	**0.05 JB**	*0.1 U*	**0.13**	**0.08 J**

Detections in bold
Values in red indicate an exceedance of the Project Action Limit (PAL)

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation / detection limit.
J: The positive result reported for this analyte is a quantitative estimate.
B: The analyte was detected above the reporting limits in the associated method blank.
E: Analyte concentration is greater than the reporting limit; however, the reported concentration should be considered estimated.
NS: Not Sampled
µg/L: micrograms per liter
PAL: Project Action Limit
(a) Analysis was re-run due to B qualifier.
(b) HI17-MWS was not sampled due to trace NAPL.
(c) HI20-MWS was within an active demoltion area and could not be safely accessed.
Well not installed
Well damaged/abandoned

Table 3 - Parcel B24 Groundwater Sampling (1st Half 2025)
Summary of Organics Detected in Groundwater

Parameter	Units	PAL	B24-001-MWS 4/8/2025	B24-002-MWS 4/15/2025	TS03-PDP002 4/8/2025
SVOCs					
2-Methylnaphthalene	µg/L	36	**0.6**	*5 U*	*5 U*
Acenaphthene	µg/L	530	**0.46**	**0.03 J**	*0.1 U*
Acenaphthylene	µg/L	530	**0.04 J**	*0.1 U*	*0.1 U*
Anthracene	µg/L	1,800	**0.04 J**	*0.1 U*	*0.1 U*
Fluoranthene	µg/L	800	**0.16**	**0.04 J**	*0.1 U*
Fluorene	µg/L	290	**0.41**	*2 U*	*2 U*
Naphthalene	µg/L	0.12	**3.6**	**0.08 J**	*2 U*
Phenanthrene	µg/L	--	**0.43**	*0.05 U*	*0.05 U*
Pyrene	µg/L	120	**0.12**	**0.05 J**	*0.1 U*
VOCs					
Acetone	µg/L	14,000	**4.1 J**	**8.2**	**2.1 J**
Benzene	µg/L	5.0	**0.23 J**	*0.5 U*	*0.5 U*
Bromodichloromethane	µg/L	0.13	*0.5 U*	**4.5**	*0.5 U*
Bromoform	µg/L	3.3	*2 U*	**7.9**	*2 U*
Chloroform	µg/L	0.22	*0.75 U*	**2.9**	*0.75 U*
Dibromochloromethane	µg/L	0.17	*0.50 U*	**6.9**	*0.50 U*
Methyl tert butyl ether	µg/L	14	*1 U*	**0.56 J**	*1 U*

Detections in bold
Values in red indicate an exceedance of the groundwater Project Action Limit (PAL)

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit.

J: The positive result reported for this analyte is a quantitative estimate.
µg/L: micrograms per liter
PAL: Project Action Limit

Table 4 - Parcel B14 Surface Water Sampling (1st Half 2025)
Summary of Organics Detected in Surface Water

Parameter	Units	EPA Region 4 Surface Water (Freshwater, Chronic)	TMC-BEND 4/16/2025	TMC-OUTLET 4/16/2025	TMC-RAIL BRIDGE 4/16/2025	TMC-TM04 4/16/2025
SVOCs by EPA 8270D / PAHs by EPA 8270D SIM						
Acenaphthene	µg/L	15	**0.03 J**	*1 U*	**0.09 J**	**0.04 J**
Benzo[a]anthracene	µg/L	4.7	*1 U*	**0.06**	**0.03 J**	**0.03 J**
Benzo[b]fluoranthene	µg/L	0.25	*0.05 U*	**0.05 J**	*0.05 U*	*0.05 U*
Benzo(g,h,i)perylene	µg/L	0.012	*1 U*	**0.03 J**	*1 U*	*1 U*
Chrysene	µg/L	25	*0.5 U*	**0.04 J**	*0.5 U*	*0.5 U*
Fluoranthene	µg/L	0.8	**0.03 J**	**0.16**	**0.06 J**	**0.03 J**
Fluorene	µg/L	19	**0.04 J**	**0.06 J**	**0.10**	**0.04 J**
Indeno(1,2,3-cd)pyrene	µg/L	0.012	*1 U*	**0.03 J**	*1 U*	*1 U*
Phenanthrene	µg/L	2.3	**0.04 J**	**0.08**	**0.10**	**0.05 J**
Pyrene	µg/L	4.6	*1 U*	**0.15**	*1 U*	*1 U*
VOCs by EPA 8260C						
Acetone	µg/L	1700	**4.1 J**	**5.2**	**3.1 J**	**4.2 J**
Benzene	µg/L	160	**0.17 J**	**0.42 J**	**0.39 J**	**0.30 J**
Carbon disulfide	µg/L	15	*1 U*	**3.7 J**	*1 U*	*1 U*
Chloroform	µg/L	140	*1 U*	**0.42 J**	*1 U*	*1 U*
Toluene	µg/L	62	*1 U*	*1 U*	**0.29 J**	**0.20 J**

Detections in bold

Exceedances of EPA Region 4 Surface Water Screening Levels (freshwater, chronic) in red

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation/detection limit

B: The analyte was detected above the reporting limit in the associated method blank.

J: The positive result reported for this analyte is a quantitative estimate.

µg/L: micrograms per liter

PAL: Project Action Limit

Table 5 - Parcel B14 (1st Half 2025)
Historic Surface Water Sampling Results

Benzene (µg/L)																		
Location	GW PAL	EPA Region 4 SW	2/4/22	2/9/22	3/21/22	4/19/22	5/18/22	6/16/22	7/29/22	8/23/22	9/19/22	10/26/22	1/12/23	4/6/23	7/18/23	10/4/23	2/8/24	6/11/24	4/16/25
TMC-Bend	5	160	NS	NS	*0.50 U*	*0.5 U*	*0.50 U*	*0.50 U*	*0.5 U*	*0.50 U*	**0.21 J**	*0.50 U*	*0.50 U*	*0.5 U*	**0.25 J**	*0.5 U*	**0.38 J**	**0.19 J**	**0.17 J**
TMC-Outlet	5	160	*1 U*	**1.84**	*0.50 U*	**0.54**	**0.82**	*0.50 U*	**0.17 J**	**2.1**	*0.05 U*	**1.0**	**0.20 J**	**0.62**	**0.62**	*0.5 U*	**0.50**	**0.27 J**	**0.42 J**
TMC-Rail Bridge	5	160	*5 U*	*1 U*	*0.50 U*	*0.5 U*	*0.50 U*	*0.50 U*	*0.5 U*	**0.16 J**	**0.22 J**	*0.50 U*	**0.50 J**	*0.5 U*	**0.22 J**	*0.5 U*	**0.38 J**	**0.21 J**	**0.39 J**
TMC-TM04	5	160	*5 U*	**3.49**	**0.16 J**	**2.0**	**1.1**	*0.50 U*	*0.5 U*	**1.2**	**0.29 J**	*0.50 U*	**0.20 J**	**0.51**	**0.51**	*0.5 U*	**0.52**	**0.25 J**	**0.30 J**

Naphthalene (µg/L)																			
Location	GW PAL	EPA Region 4 SW	2/4/22	2/9/22	3/21/22	4/19/22	5/18/22	6/16/22	7/29/22	8/23/22	9/19/22	10/26/22	1/12/23	4/6/23	7/18/23	10/4/23	2/8/24	6/11/24	4/16/25
TMC-Bend	0.12	21	NS	NS	**0.03 J**	0.62	**0.06 J**	**0.06 J**	**0.17**	*0.10 U*	**0.11**	*0.10 U*	*0.10 U*	**0.15**	**0.15**	0.13	*2 U*	*0.1 U*	*0.1 U*
TMC-Outlet	0.12	21	*1 U*	**3.33**	**0.03 J**	**1.2**	*0.10 U*	*0.10 U*	**0.22**	*0.10 U*	**0.06 J**	*0.10 U*	*0.10 U*	*0.1 U*	*0.1 U*	0.1 U	**0.88 J**	*0.1 U*	*0.1 U*
TMC-Rail Bridge	0.12	21	*1 U*	*1 U*	*0.10 U*	**0.58**	**0.05 J**	*0.10 U*	**1.1**	*0.10 U*	**0.11**	**0.06 J**	*0.10 U*	*0.1 U*	**0.27**	**0.08 J**	**1.4 J**	**0.07 J**	*0.1 U*
TMC-TM04	0.12	21	*1 U*	**1.3**	**0.03 J**	**0.79**	*0.10 U*	**0.12**	**0.12**	*0.10 U*	**0.14**	*0.10 U*	*0.10 U*	**0.34**	**0.34**	0.1 U	**0.63 J**	*0.1 U*	*0.1 U*

Detections in bold
Exceedances of EPA Region 4 Surface Water Screening Levels (freshwater, chronic) in red

U: This analyte was not detected in the sample. The numeric value represents the sample quantitation / detection limit.
J: The positive result reported for this analyte is a quantitative estimate.
B: The analyte was detected above the reporting limits in the associated method blank.
µg/L: micrograms per liter
PAL: Project Action Limit
Starting in March 2022, naphthalene was analyzed by SIM PAH.

Table 6 - Parcel B14
Groundwater Elevations

Well Designation	Installation Date	Top of Casing (ft, AMSL)	April 2025	
			Depth to Water (ft)	Groundwater Elevation (ft, AMSL)
B24-001-MWS	4/27/2022	11.30	10.80	0.50
B24-002-MWS	4/28/2022	12.43	11.31	1.12
HI02R-PZM006 (b)	1/26/2024	11.61	10.00	1.61
HI07R-PZM005 (b)	1/25/2024	11.65	10.08	1.57
HI10-MWS	12/21/2021	12.50	11.24	1.26
HI11-MWS	12/30/2021	13.08	15.02	-1.94
HI12-MWS	12/30/2021	11.54	9.11	2.43
HI13-MWS	12/22/2021	11.29	10.26	1.03
HI14-MWS	12/22/2021	14.65	13.61	1.04
HI15-MWS	1/3/2022	13.43	12.20	1.23
HI16-MWS	12/22/2021	10.53	9.24	1.29
HI17-MWS (a)	12/23/2021	10.11	DRY	DRY
HI18-MWS	12/23/2021	9.35	8.12	1.23
HI19-MWS	12/29/2021	10.18	8.82	1.36
HI20R-MWS (a, b)	1/25/2024	11.49	DRY	DRY
HI20R2-MWS	3/20/2024	(c)	17.91	(c)
HI21-MWS	4/27/2022	12.56	11.96	0.60
HI22-MWS	12/30/2021	11.49	12.95	-1.46
TM04-PZM006	3/25/1983	12.00	12.21	-0.21
TM08R-PZM007	11/19/2021	9.92	8.64	1.28
TS03-PDP002	8/11/2000	13.53	12.97	0.56

Notes:
(a) Absorbent socks utilized to address minor NAPL impacts.
(b) Replacement well installed in January 2024 and surveyed in March 2024.
(c) Replacement well was installed in March 2024, has not been surveyed.

Table 7 - Parcel B14
NAPL Gauging Activities

Sample ID	Installation Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	1/6/2025			2/18/2025		
					Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
HI17-MWS	12/23/2021	20	5-20	2.13	NM	NM	NM	NM	NM	NM
HI20R-MWS	1/25/2024	15	5-15	3	**10.38**	**10.4**	**0.02**	NM	NM	NM
HI20R2-MWS	3/20/2024	27.00	7- 22	3.00	NA	**18.47**	NA	NA	**17.94**	NA

NM = Not Measured
SHADED = NAPL Detection
bgs = below ground surface
TOC = Top of Casing

HI17-MWS: Well not accessible due to deep snow drifts in the area.
HI20R-MWS: Absorbent sock deployed.
HI20R2-MWS: No removal action taken.

HI17-MWS: Absorbent sock removed, trace product observed.
HI20R-MWS: Absorbent sock removed, 1/4 saturated with product.
HI20R2-MWS: No removal action taken.

Table 7 - Parcel B14
NAPL Gauging Activities

Sample ID	Installation Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	3/19/2025			4/14/2025		
					Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
HI17-MWS	12/23/2021	20	5-20	2.13	**Trace**	**10.13**	NM	NA	**DRY**	NM
HI20R-MWS	1/25/2024	15	5-15	3	**Trace**	**10.38**	NM	NA	**DRY**	NM
HI20R2-MWS	3/20/2024	27.00	7- 22	3.00	NA	**18.18**	NA	NA	**17.91**	NA

NM = Not Measured
SHADED = NAPL Detection
bgs = below ground surface
TOC = Top of Casing

HI17-MWS: Absorbent sock deployed.
HI20R-MWS: Absorbent sock deployed.
HI20R2-MWS: No removal action taken.

HI17-MWS: Absorbent sock removed, trace product observed.
HI20R-MWS: Absorbent sock removed, trace product observed.
HI20R2-MWS: No removal action taken.

Table 7 - Parcel B14
NAPL Gauging Activities

Sample ID	Installation Date	Well Total Depth (Feet bgs)	Screen Interval (Feet bgs)	Riser Stick-Up (Feet)	5/9/2025			6/18/2025		
					Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)	Depth to NAPL (Feet TOC)	Depth to Water (Feet TOC)	NAPL Thickness (Feet)
HI17-MWS	12/23/2021	20	5-20	2.13	**Trace**	**10.12**	**NM**	NA	**DRY**	NM
HI20R-MWS	1/25/2024	15	5-15	3	**Trace**	**10.35**	**NM**	NA	**DRY**	NM
HI20R2-MWS	3/20/2024	27.00	7- 22	3.00	NA	**18.16**	NA	NA	**17.83**	NA

NM = Not Measured
SHADED = NAPL Detection
bgs = below ground surface
TOC = Top of Casing

HI17-MWS: Absorbent sock deployed.
HI20R-MWS: Absorbent sock deployed.
HI20R2-MWS: No removal action taken.

HI17-MWS: Absorbent sock removed, 1/3 saturated with product.
HI20R-MWS: Absorbent sock removed, 1/4 saturated with product.
HI20R2-MWS: No removal action taken.

APPENDIX A

ANALYTICAL REPORT

Lab Number:	L2521696
Client:	Tradepoint Atlantic 1600 Sparrows Point Boulevard Baltimore, MD 21219
ATTN:	Matthew Newman
Phone:	(443) 649-5073
Project Name:	B14 1ST HALF 2025 GW
Project Number:	21010214
Report Date:	04/18/25

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

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

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2521696
Report Date: 04/18/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2521696-01	TS03-PDP002	WATER	B14	04/08/25 13:20	04/09/25
L2521696-02	B24-001-MWS	WATER	B14	04/08/25 13:55	04/09/25
L2521696-03	HI02R-PZM006	WATER	B14	04/08/25 14:45	04/09/25
L2521696-04	TB-001	WATER	B14	04/08/25 00:00	04/09/25

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2521696
Project Number:	21010214	**Report Date:**	04/18/25

Case Narrative

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

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

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

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

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

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

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2521696
Project Number:	21010214	**Report Date:**	04/18/25

Case Narrative (continued)

Report Submission

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

Semivolatile Organics

L2521696-01, -02, and -03: The volume of sample received for the analysis deviates from the laboratory's current volume requirements. An aliquot was taken from the original sample container, extracted, analyzed, and reported accordingly.

Semivolatile Organics by SIM

L2521696-01, -02, and -03: The volume of sample received for the analysis deviates from the laboratory's current volume requirements. An aliquot was taken from the original sample container, extracted, analyzed, and reported accordingly.

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 04/18/25

ORGANICS

VOLATILES

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-01
Client ID: TS03-PDP002
Sample Location: B14

Date Collected: 04/08/25 13:20
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/25 13:13
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	2.1	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-01
Client ID: TS03-PDP002
Sample Location: B14
Date Collected: 04/08/25 13:20
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2521696
Project Number: 21010214
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-01
Client ID: TS03-PDP002
Sample Location: B14

Date Collected: 04/08/25 13:20
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/15/25 13:13
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
4-Bromofluorobenzene	95		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-02
Client ID: B24-001-MWS
Sample Location: B14

Date Collected: 04/08/25 13:55
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/25 13:39
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	4.1	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.23	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-02
Client ID: B24-001-MWS
Sample Location: B14
Date Collected: 04/08/25 13:55
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	109		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2521696
Project Number: 21010214
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-02
Client ID: B24-001-MWS
Sample Location: B14

Date Collected: 04/08/25 13:55
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/15/25 13:39
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
4-Bromofluorobenzene	93		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-03
Client ID: HI02R-PZM006
Sample Location: B14

Date Collected: 04/08/25 14:45
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/25 14:05
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	3.1	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.42	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-03
Client ID: HI02R-PZM006
Sample Location: B14
Date Collected: 04/08/25 14:45
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	110		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-03
Client ID: HI02R-PZM006
Sample Location: B14

Date Collected: 04/08/25 14:45
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/15/25 14:05
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
4-Bromofluorobenzene	93		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-04
Client ID: TB-001
Sample Location: B14

Date Collected: 04/08/25 00:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/15/25 12:20
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-04
Client ID: TB-001
Sample Location: B14
Date Collected: 04/08/25 00:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2521696
Project Number: 21010214
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-04
Client ID: TB-001
Sample Location: B14
Date Collected: 04/08/25 00:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/15/25 12:20
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
4-Bromofluorobenzene	95		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/15/25 08:48
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG2054023-5					
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
4-Bromofluorobenzene	95		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/15/25 07:29
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2054026-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Cyclohexane	ND		ug/l	10	0.27
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/15/25 07:29
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2054026-5					
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/15/25 07:29
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2054026-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG2054023-3 WG2054023-4								
1,1,2,2-Tetrachloroethane	103		98		70-130	5		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		114		70-130
4-Bromofluorobenzene	95		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2054026-3 WG2054026-4								
Dichlorodifluoromethane	81		80		36-147	1		20
Chloromethane	100		100		64-130	0		20
Vinyl chloride	100		99		55-140	1		20
Bromomethane	47		51		39-139	8		20
Chloroethane	120		110		55-138	9		20
Trichlorofluoromethane	100		100		62-150	0		20
1,1-Dichloroethene	97		96		61-145	1		20
Carbon disulfide	100		100		51-130	0		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		100		70-130	0		20
Methylene chloride	99		96		70-130	3		20
Acetone	120		120		58-148	0		20
trans-1,2-Dichloroethene	100		96		70-130	4		20
Methyl Acetate	130		130		70-130	0		20
Methyl tert butyl ether	96		94		63-130	2		20
1,1-Dichloroethane	110		110		70-130	0		20
cis-1,2-Dichloroethene	97		94		70-130	3		20
Cyclohexane	120		110		70-130	9		20
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	100		100		63-132	0		20
1,1,1-Trichloroethane	100		97		67-130	3		20
2-Butanone	110		100		63-138	10		20
Benzene	98		95		70-130	3		20
1,2-Dichloroethane	110		100		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2054026-3 WG2054026-4								
Trichloroethene	97		94		70-130	3		20
1,2-Dichloropropane	100		100		70-130	0		20
Bromodichloromethane	96		92		67-130	4		20
cis-1,3-Dichloropropene	91		90		70-130	1		20
Toluene	96		93		70-130	3		20
Tetrachloroethene	95		94		70-130	1		20
4-Methyl-2-pentanone	87		83		59-130	5		20
trans-1,3-Dichloropropene	96		94		70-130	2		20
1,1,2-Trichloroethane	98		95		70-130	3		20
Dibromochloromethane	88		88		63-130	0		20
1,2-Dibromoethane	92		91		70-130	1		20
2-Hexanone	96		94		57-130	2		20
Chlorobenzene	94		92		75-130	2		20
Ethylbenzene	97		96		70-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
Styrene	90		90		70-130	0		20
Bromoform	83		82		54-136	1		20
Isopropylbenzene	95		93		70-130	2		20
1,1,2,2-Tetrachloroethane	92		91		67-130	1		20
1,3-Dichlorobenzene	94		93		70-130	1		20
1,4-Dichlorobenzene	93		91		70-130	2		20
1,2-Dichlorobenzene	92		88		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2054026-3 WG2054026-4								
1,2-Dibromo-3-chloropropane	76		77		41-144	1		20
1,2,4-Trichlorobenzene	87		85		70-130	2		20
1,2,3-Trichlorobenzene	88		89		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		112		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	97		99		70-130
Dibromofluoromethane	102		102		70-130

SEMIVOLATILES

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-01
Client ID: TS03-PDP002
Sample Location: B14

Date Collected: 04/08/25 13:20
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/16/25 23:12
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-01
Client ID: TS03-PDP002
Sample Location: B14
Date Collected: 04/08/25 13:20
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	82		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-01
Client ID: TS03-PDP002
Sample Location: B14

Date Collected: 04/08/25 13:20
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/14/25 10:36
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.05	0.04	1
Anthracene	ND		ug/l	0.10	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Pyrene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	120		10-120
4-Terphenyl-d14	83		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-02
Client ID: B24-001-MWS
Sample Location: B14

Date Collected: 04/08/25 13:55
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/16/25 23:35
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	3.2		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	0.40	J	ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2521696

Project Number: 21010214 **Report Date:** 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-02 Date Collected: 04/08/25 13:55

Client ID: B24-001-MWS Date Received: 04/09/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	0.40	J	ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	0.42	J	ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	76		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-02
Client ID: B24-001-MWS
Sample Location: B14

Date Collected: 04/08/25 13:55
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/14/25 10:52
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	3.6		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.60		ug/l	0.10	0.03	1
Acenaphthylene	0.04	J	ug/l	0.10	0.02	1
Acenaphthene	0.46		ug/l	0.10	0.02	1
Fluorene	0.41		ug/l	0.10	0.03	1
Phenanthrene	0.43		ug/l	0.05	0.04	1
Anthracene	0.04	J	ug/l	0.10	0.02	1
Fluoranthene	0.16		ug/l	0.10	0.03	1
Pyrene	0.12		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	**121**	Q	10-120
4-Terphenyl-d14	81		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-03
Client ID: HI02R-PZM006
Sample Location: B14

Date Collected: 04/08/25 14:45
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/16/25 23:58
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	5.5		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	9.3		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	1.0	J	ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	0.24	J	ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2521696

Project Number: 21010214 **Report Date:** 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-03 Date Collected: 04/08/25 14:45

Client ID: HI02R-PZM006 Date Received: 04/09/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	1.3	J	ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	0.87	J	ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	0.83	J	ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	0.42	J	ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	88		41-149

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2521696
Project Number: 21010214
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521696-03
Client ID: HI02R-PZM006
Sample Location: B14

Date Collected: 04/08/25 14:45
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/14/25 11:09
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	8.0		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.90		ug/l	0.10	0.03	1
Acenaphthylene	0.05	J	ug/l	0.10	0.02	1
Acenaphthene	1.4		ug/l	0.10	0.02	1
Fluorene	1.0		ug/l	0.10	0.03	1
Phenanthrene	0.96		ug/l	0.05	0.04	1
Anthracene	0.97		ug/l	0.10	0.02	1
Fluoranthene	0.15		ug/l	0.10	0.03	1
Pyrene	0.10		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	**132**	Q	10-120
4-Terphenyl-d14	79		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/16/25 20:08
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG2053156-1					
Benzaldehyde	ND		ug/l	5.0	1.1
Phenol	ND		ug/l	5.0	0.35
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chlorophenol	ND		ug/l	2.0	0.65
2-Methylphenol	ND		ug/l	5.0	2.3
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Acetophenone	ND		ug/l	5.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
Hexachloroethane	ND		ug/l	2.0	0.20
Nitrobenzene	ND		ug/l	1.4	0.20
Isophorone	ND		ug/l	5.0	0.86
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
Naphthalene	ND		ug/l	2.0	0.54
4-Chloroaniline	ND		ug/l	3.7	0.47
Hexachlorobutadiene	ND		ug/l	2.0	0.36
Caprolactam	ND		ug/l	10	1.2
2-Methylnaphthalene	ND		ug/l	2.0	0.37
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Biphenyl	ND		ug/l	2.0	0.20
2-Chloronaphthalene	ND		ug/l	2.0	0.35
2-Nitroaniline	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
Acenaphthylene	ND		ug/l	2.0	0.32

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/16/25 20:08
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG2053156-1					
Acenaphthene	ND		ug/l	2.0	0.40
2,4-Dinitrophenol	ND		ug/l	20	5.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2
Diethyl phthalate	ND		ug/l	5.0	0.76
Fluorene	ND		ug/l	2.0	0.44
4-Nitroaniline	ND		ug/l	5.0	1.4
NDPA/DPA	ND		ug/l	2.0	0.92
Hexachlorobenzene	ND		ug/l	2.0	0.45
Pentachlorophenol	ND		ug/l	10	2.5
Phenanthrene	ND		ug/l	2.0	0.42
Anthracene	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.31
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Fluoranthene	ND		ug/l	2.0	0.41
Pyrene	ND		ug/l	2.0	0.41
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Chrysene	ND		ug/l	1.5	0.22
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62
Benzo(a)pyrene	ND		ug/l	2.0	0.37
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29
Benzo(ghi)perylene	ND		ug/l	2.0	0.37

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/16/25 20:08
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG2053156-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	77		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/14/25 06:54
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG2053157-1					
Naphthalene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Acenaphthene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.05	0.04
Anthracene	ND		ug/l	0.10	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Pyrene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.05	0.03
Chrysene	ND		ug/l	0.10	0.03
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	**121**	Q	23-120
2-Fluorobiphenyl	106		15-120
2,4,6-Tribromophenol	**140**	Q	10-120
4-Terphenyl-d14	109		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG2053156-2 WG2053156-3								
Benzaldehyde	78		77		40-140	1		30
Phenol	41		40		12-110	2		30
Bis(2-chloroethyl)ether	71		74		40-140	4		30
2-Chlorophenol	70		69		27-123	1		30
2-Methylphenol	70		70		30-130	0		30
Bis(2-chloroisopropyl)ether	77		77		40-140	0		30
Acetophenone	80		79		39-129	1		30
n-Nitrosodi-n-propylamine	71		69		29-132	3		30
3-Methylphenol/4-Methylphenol	67		72		30-130	7		30
Hexachloroethane	63		65		40-140	3		30
Nitrobenzene	68		69		40-140	1		30
Isophorone	68		69		40-140	1		30
2,4-Dimethylphenol	64		59		30-130	8		30
Bis(2-chloroethoxy)methane	72		73		40-140	1		30
2,4-Dichlorophenol	81		80		30-130	1		30
Naphthalene	71		72		40-140	1		30
4-Chloroaniline	48		57		40-140	17		30
Hexachlorobutadiene	64		68		40-140	6		30
Caprolactam	40		44		10-130	10		30
2-Methylnaphthalene	74		75		40-140	1		30
Hexachlorocyclopentadiene	67		70		40-140	4		30
1,2,4,5-Tetrachlorobenzene	73		78		2-134	7		30
2,4,6-Trichlorophenol	80		81		30-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG2053156-2 WG2053156-3								
2,4,5-Trichlorophenol	88		92		30-130	4		30
Biphenyl	81		82		40-140	1		30
2-Chloronaphthalene	75		76		40-140	1		30
2-Nitroaniline	86		89		52-143	3		30
2,6-Dinitrotoluene	85		89		40-140	5		30
Acenaphthylene	75		78		45-123	4		30
Acenaphthene	76		77		37-111	1		30
2,4-Dinitrophenol	81		80		20-130	1		30
2,4-Dinitrotoluene	82		84		48-143	2		30
2,3,4,6-Tetrachlorophenol	88		87		54-145	1		30
Diethyl phthalate	78		78		40-140	0		30
Fluorene	77		78		40-140	1		30
4-Nitroaniline	76		78		51-143	3		30
NDPA/DPA	81		82		40-140	1		30
Hexachlorobenzene	81		82		40-140	1		30
Pentachlorophenol	90		85		9-103	6		30
Phenanthrene	79		82		40-140	4		30
Anthracene	82		85		40-140	4		30
Carbazole	81		83		55-144	2		30
Di-n-butylphthalate	83		85		40-140	2		30
Fluoranthene	84		86		40-140	2		30
Pyrene	86		88		26-127	2		30
3,3'-Dichlorobenzidine	64		72		40-140	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG2053156-2 WG2053156-3								
Benzo(a)anthracene	80		86		40-140	7		30
Chrysene	82		86		40-140	5		30
Bis(2-ethylhexyl)phthalate	88		90		40-140	2		30
Di-n-octylphthalate	85		89		40-140	5		30
Benzo(b)fluoranthene	84		90		40-140	7		30
Benzo(k)fluoranthene	87		92		40-140	6		30
Benzo(a)pyrene	87		91		40-140	4		30
Indeno(1,2,3-cd)pyrene	84		89		40-140	6		30
Dibenzo(a,h)anthracene	82		87		40-140	6		30
Benzo(ghi)perylene	80		82		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	54		55		21-120
Phenol-d6	42		42		10-120
Nitrobenzene-d5	67		68		23-120
2-Fluorobiphenyl	74		73		15-120
2,4,6-Tribromophenol	74		77		10-120
4-Terphenyl-d14	76		80		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG2053157-2 WG2053157-3								
Naphthalene	69		75		40-140	8		40
2-Methylnaphthalene	72		78		40-140	8		40
Acenaphthylene	86		93		40-140	8		40
Acenaphthene	75		82		37-111	9		40
Fluorene	82		88		40-140	7		40
Phenanthrene	78		85		40-140	9		40
Anthracene	83		90		40-140	8		40
Fluoranthene	82		88		40-140	7		40
Pyrene	80		87		26-127	8		40
Benzo(a)anthracene	80		87		40-140	8		40
Chrysene	83		90		40-140	8		40
Benzo(b)fluoranthene	87		94		40-140	8		40
Benzo(k)fluoranthene	90		99		40-140	10		40
Benzo(a)pyrene	94		103		40-140	9		40
Indeno(1,2,3-cd)pyrene	104		114		40-140	9		40
Dibenzo(a,h)anthracene	103		112		40-140	8		40
Benzo(ghi)perylene	97		105		40-140	8		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG2053157-2 WG2053157-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		61		21-120
Phenol-d6	48		50		10-120
Nitrobenzene-d5	87		93		23-120
2-Fluorobiphenyl	76		81		15-120
2,4,6-Tribromophenol	106		115		10-120
4-Terphenyl-d14	71		78		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2521696
Report Date: 04/18/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2521696-01A	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521696-01B	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521696-01C	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521696-01D	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2521696-01E	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2521696-02A	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521696-02B	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521696-02C	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521696-02D	Amber 250ml unpreserved	A	10	10	3.8	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2521696-02E	Amber 250ml unpreserved	A	10	10	3.8	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2521696-03A	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521696-03B	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521696-03C	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521696-03D	Amber 250ml unpreserved	A	10	10	3.8	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2521696-03E	Amber 250ml unpreserved	A	10	10	3.8	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2521696-04A	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521696-04B	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521696-04C	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521696-04D	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)

Container Comments

L2521696-01D amber-a.25 received

*Values in parentheses indicate holding time in days

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2521696
Report Date: 04/18/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

Container Comments

L2521696-01E	amber-a.25 received
L2521696-02D	amber-a.25 received
L2521696-02E	amber-a.25 received
L2521696-03D	amber-a.25 received
L2521696-03E	amber-a.25 received

*Values in parentheses indicate holding time in days

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2521696
Project Number:	21010214	**Report Date:**	04/18/25

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2521696
Project Number:	21010214	**Report Date:**	04/18/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2521696
Project Number:	21010214	**Report Date:**	04/18/25

Data Qualifiers

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521696
Report Date: 04/18/25

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

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

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

Certification IDs:

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

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

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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/10/25

ALPHA Job #: L2521696

Client Information

Client: Tradepoint Atlantic
Address: 6995 Bethlehem Blvd
Sparrows Point, MD
Phone:
Fax:
Email: JBorna@armgroup.net
KGuille@armgroup.net
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: B14 1st Half 2025 GW
Project Location: B14
Project #: 21010214
Project Manager: Kaige Guille
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: (5-day) Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

pH > 10

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOC 8260	SVOCs 8270 SIM	Sample Specific Comments	TOTAL # BOTTLES
21696-01	TS03-PDP002	4/8	1320	GW	CN	X	X		5
02	B24-001-MWS	4/8	1355	GW	CN	X	X		5
03	HI02R-PZM006	4/8	1445	GW	CN	X	X	pH > 10	5
04	TB-001	—	—	—	—	X			4

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	V	A
Preservative	B	A

Relinquished By:	Date/Time	Received By:	Date/Time
Charlotte Norris ABM	4/9/25 1000	Nelson Lacy	4-9-25 1558
Nelson Lacy	4-9-25 1838	Anthony Green	4-9-25 1838
Anthony Green	4-9		

APR 09 2025 D2AO

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

04/10/25-0445

ANALYTICAL REPORT

Lab Number:	L2521646
Client:	Tradepoint Atlantic 1600 Sparrows Point Boulevard Baltimore, MD 21219
ATTN:	Matthew Newman
Phone:	(443) 649-5073
Project Name:	B14 1ST HALF 2025 GW
Project Number:	21010214
Report Date:	04/18/25

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

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

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2521646
Report Date: 04/18/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2521646-01	HI20R2-MWS	WATER	B14	04/09/25 11:00	04/09/25
L2521646-02	HI07R-PZM005	WATER	B14	04/09/25 11:55	04/09/25
L2521646-03	HI18-MWS	WATER	B14	04/09/25 13:30	04/09/25
L2521646-04	TM08R-PZM007	WATER	B14	04/09/25 14:20	04/09/25
L2521646-05	TB-001	WATER	B14	04/09/25 00:00	04/09/25
L2521646-06	TB-002	WATER	B14	04/09/25 00:00	04/09/25

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2521646
Project Number:	21010214	**Report Date:**	04/18/25

Case Narrative

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

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

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

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

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

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

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2521646
Project Number:	21010214	**Report Date:**	04/18/25

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2521646-01 through -06: The collection date was specified by the client.

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 04/18/25

ORGANICS

VOLATILES

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-01
Client ID: HI20R2-MWS
Sample Location: B14

Date Collected: 04/09/25 11:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/17/25 09:12
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	2.8	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.32	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-01
Client ID: HI20R2-MWS
Sample Location: B14
Date Collected: 04/09/25 11:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2521646
Project Number: 21010214
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-01
Client ID: HI20R2-MWS
Sample Location: B14
Date Collected: 04/09/25 11:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/17/25 09:12
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
4-Bromofluorobenzene	94		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-02
Client ID: HI07R-PZM005
Sample Location: B14

Date Collected: 04/09/25 11:55
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/17/25 09:38
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	4.6	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	0.26	J	ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	2.3		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	1.5		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-02
Client ID: HI07R-PZM005
Sample Location: B14
Date Collected: 04/09/25 11:55
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	0.88	J	ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	0.88	J	ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2521646
Project Number: 21010214
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-02
Client ID: HI07R-PZM005
Sample Location: B14
Date Collected: 04/09/25 11:55
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/17/25 09:38
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
4-Bromofluorobenzene	93		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-03
Client ID: HI18-MWS
Sample Location: B14

Date Collected: 04/09/25 13:30
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/17/25 10:05
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	5.3		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-03
Client ID: HI18-MWS
Sample Location: B14
Date Collected: 04/09/25 13:30
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-03
Client ID: HI18-MWS
Sample Location: B14

Date Collected: 04/09/25 13:30
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/17/25 10:05
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
4-Bromofluorobenzene	94		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-04
Client ID: TM08R-PZM007
Sample Location: B14

Date Collected: 04/09/25 14:20
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/17/25 10:31
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	3.3	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-04
Client ID: TM08R-PZM007
Sample Location: B14
Date Collected: 04/09/25 14:20
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2521646
Project Number: 21010214
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-04
Client ID: TM08R-PZM007
Sample Location: B14
Date Collected: 04/09/25 14:20
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/17/25 10:31
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
4-Bromofluorobenzene	95		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-05
Client ID: TB-001
Sample Location: B14

Date Collected: 04/09/25 00:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/17/25 07:26
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-05
Client ID: TB-001
Sample Location: B14
Date Collected: 04/09/25 00:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2521646
Project Number: 21010214
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-05
Client ID: TB-001
Sample Location: B14
Date Collected: 04/09/25 00:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/17/25 07:26
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
4-Bromofluorobenzene	95		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-06
Client ID: TB-002
Sample Location: B14

Date Collected: 04/09/25 00:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/17/25 06:33
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-06
Client ID: TB-002
Sample Location: B14

Date Collected: 04/09/25 00:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2521646
Project Number: 21010214
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-06
Client ID: TB-002
Sample Location: B14
Date Collected: 04/09/25 00:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/17/25 06:33
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
4-Bromofluorobenzene	96		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/17/25 06:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG2055118-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Cyclohexane	ND		ug/l	10	0.27
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/17/25 06:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG2055118-5					
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/17/25 06:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG2055118-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/17/25 06:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG2055119-5					
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
4-Bromofluorobenzene	96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG2055118-3 WG2055118-4								
Dichlorodifluoromethane	110		100		36-147	10		20
Chloromethane	97		95		64-130	2		20
Vinyl chloride	110		100		55-140	10		20
Bromomethane	64		66		39-139	3		20
Chloroethane	120		120		55-138	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,1-Dichloroethene	100		98		61-145	2		20
Carbon disulfide	110		100		51-130	10		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		110		70-130	0		20
Methylene chloride	100		99		70-130	1		20
Acetone	120		110		58-148	9		20
trans-1,2-Dichloroethene	100		97		70-130	3		20
Methyl Acetate	120		120		70-130	0		20
Methyl tert butyl ether	100		99		63-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
cis-1,2-Dichloroethene	98		96		70-130	2		20
Cyclohexane	120		110		70-130	9		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
2-Butanone	96		93		63-138	3		20
Benzene	100		96		70-130	4		20
1,2-Dichloroethane	110		110		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG2055118-3 WG2055118-4								
Trichloroethene	98		94		70-130	4		20
1,2-Dichloropropane	100		100		70-130	0		20
Bromodichloromethane	99		95		67-130	4		20
cis-1,3-Dichloropropene	94		92		70-130	2		20
Toluene	98		96		70-130	2		20
Tetrachloroethene	99		95		70-130	4		20
4-Methyl-2-pentanone	89		88		59-130	1		20
trans-1,3-Dichloropropene	99		99		70-130	0		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Dibromochloromethane	92		92		63-130	0		20
1,2-Dibromoethane	96		94		70-130	2		20
2-Hexanone	95		91		57-130	4		20
Chlorobenzene	96		94		75-130	2		20
Ethylbenzene	100		99		70-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
Styrene	95		95		70-130	0		20
Bromoform	89		88		54-136	1		20
Isopropylbenzene	100		99		70-130	1		20
1,1,2,2-Tetrachloroethane	100		96		67-130	4		20
1,3-Dichlorobenzene	100		97		70-130	3		20
1,4-Dichlorobenzene	99		95		70-130	4		20
1,2-Dichlorobenzene	98		96		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG2055118-3 WG2055118-4								
1,2-Dibromo-3-chloropropane	82		80		41-144	2		20
1,2,4-Trichlorobenzene	94		89		70-130	5		20
1,2,3-Trichlorobenzene	92		91		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		112		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG2055119-3 WG2055119-4								
1,1,2,2-Tetrachloroethane	100		96		70-130	4		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		115		70-130
4-Bromofluorobenzene	98		97		70-130

SEMIVOLATILES

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-01
Client ID: HI20R2-MWS
Sample Location: B14

Date Collected: 04/09/25 11:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/17/25 00:21
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	4.8	J	ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	8.1		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2521646

Project Number: 21010214 **Report Date:** 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-01 Date Collected: 04/09/25 11:00

Client ID: HI20R2-MWS Date Received: 04/09/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	78		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-01
Client ID: HI20R2-MWS
Sample Location: B14

Date Collected: 04/09/25 11:00
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/14/25 08:54
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	0.44		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.12		ug/l	0.10	0.03	1
Acenaphthylene	0.04	J	ug/l	0.10	0.02	1
Acenaphthene	0.17		ug/l	0.10	0.02	1
Fluorene	0.19		ug/l	0.10	0.03	1
Phenanthrene	0.29		ug/l	0.05	0.04	1
Anthracene	0.05	J	ug/l	0.10	0.02	1
Fluoranthene	0.13		ug/l	0.10	0.03	1
Pyrene	0.13		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	117		10-120
4-Terphenyl-d14	74		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-02
Client ID: HI07R-PZM005
Sample Location: B14

Date Collected: 04/09/25 11:55
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/17/25 00:44
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	3.6	J	ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	5.2		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	0.73	J	ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	0.26	J	ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2521646

Project Number: 21010214 **Report Date:** 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-02 Date Collected: 04/09/25 11:55

Client ID: HI07R-PZM005 Date Received: 04/09/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	0.51	J	ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	0.91	J	ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	8.0	J	ug/l	10	2.5	1
Phenanthrene	1.5	J	ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	0.92	J	ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	1.0	J	ug/l	2.0	0.41	1
Pyrene	0.59	J	ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	89		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-02
Client ID: HI07R-PZM005
Sample Location: B14

Date Collected: 04/09/25 11:55
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/14/25 09:45
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	5.4		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.85		ug/l	0.10	0.03	1
Acenaphthylene	0.36		ug/l	0.10	0.02	1
Acenaphthene	0.55		ug/l	0.10	0.02	1
Fluorene	0.76		ug/l	0.10	0.03	1
Phenanthrene	1.5		ug/l	0.05	0.04	1
Anthracene	0.28		ug/l	0.10	0.02	1
Fluoranthene	0.89		ug/l	0.10	0.03	1
Pyrene	0.56		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	0.05	J	ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	**122**	Q	10-120
4-Terphenyl-d14	75		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-03
Client ID: HI18-MWS
Sample Location: B14

Date Collected: 04/09/25 13:30
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/17/25 01:08
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	3.3	J	ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	4.4		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	0.64	J	ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2521646

Project Number: 21010214 **Report Date:** 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-03 Date Collected: 04/09/25 13:30

Client ID: HI18-MWS Date Received: 04/09/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	0.47	J	ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	0.81	J	ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	6.3	J	ug/l	10	2.5	1
Phenanthrene	1.3	J	ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	0.81	J	ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	0.80	J	ug/l	2.0	0.41	1
Pyrene	0.49	J	ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	73		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-03
Client ID: HI18-MWS
Sample Location: B14

Date Collected: 04/09/25 13:30
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/14/25 12:18
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	0.27		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.05	J	ug/l	0.10	0.03	1
Acenaphthylene	0.06	J	ug/l	0.10	0.02	1
Acenaphthene	0.07	J	ug/l	0.10	0.02	1
Fluorene	0.04	J	ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.05	0.04	1
Anthracene	0.26		ug/l	0.10	0.02	1
Fluoranthene	0.05	J	ug/l	0.10	0.03	1
Pyrene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	61		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-04
Client ID: TM08R-PZM007
Sample Location: B14

Date Collected: 04/09/25 14:20
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/17/25 01:31
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2521646

Project Number: 21010214 **Report Date:** 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-04 Date Collected: 04/09/25 14:20

Client ID: TM08R-PZM007 Date Received: 04/09/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	73		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

SAMPLE RESULTS

Lab ID: L2521646-04
Client ID: TM08R-PZM007
Sample Location: B14

Date Collected: 04/09/25 14:20
Date Received: 04/09/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/14/25 10:19
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	114		10-120
4-Terphenyl-d14	70		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/16/25 20:08
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2053156-1					
Benzaldehyde	ND		ug/l	5.0	1.1
Phenol	ND		ug/l	5.0	0.35
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chlorophenol	ND		ug/l	2.0	0.65
2-Methylphenol	ND		ug/l	5.0	2.3
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Acetophenone	ND		ug/l	5.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
Hexachloroethane	ND		ug/l	2.0	0.20
Nitrobenzene	ND		ug/l	1.4	0.20
Isophorone	ND		ug/l	5.0	0.86
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
Naphthalene	ND		ug/l	2.0	0.54
4-Chloroaniline	ND		ug/l	3.7	0.47
Hexachlorobutadiene	ND		ug/l	2.0	0.36
Caprolactam	ND		ug/l	10	1.2
2-Methylnaphthalene	ND		ug/l	2.0	0.37
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Biphenyl	ND		ug/l	2.0	0.20
2-Chloronaphthalene	ND		ug/l	2.0	0.35
2-Nitroaniline	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
Acenaphthylene	ND		ug/l	2.0	0.32

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/16/25 20:08
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2053156-1					
Acenaphthene	ND		ug/l	2.0	0.40
2,4-Dinitrophenol	ND		ug/l	20	5.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2
Diethyl phthalate	ND		ug/l	5.0	0.76
Fluorene	ND		ug/l	2.0	0.44
4-Nitroaniline	ND		ug/l	5.0	1.4
NDPA/DPA	ND		ug/l	2.0	0.92
Hexachlorobenzene	ND		ug/l	2.0	0.45
Pentachlorophenol	ND		ug/l	10	2.5
Phenanthrene	ND		ug/l	2.0	0.42
Anthracene	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.31
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Fluoranthene	ND		ug/l	2.0	0.41
Pyrene	ND		ug/l	2.0	0.41
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Chrysene	ND		ug/l	1.5	0.22
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62
Benzo(a)pyrene	ND		ug/l	2.0	0.37
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29
Benzo(ghi)perylene	ND		ug/l	2.0	0.37

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/16/25 20:08
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2053156-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	77		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/14/25 06:54
Analyst: KMH

Extraction Method: EPA 3510C
Extraction Date: 04/13/25 14:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG2053157-1					
Naphthalene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Acenaphthene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.05	0.04
Anthracene	ND		ug/l	0.10	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Pyrene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.05	0.03
Chrysene	ND		ug/l	0.10	0.03
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	**121**	Q	23-120
2-Fluorobiphenyl	106		15-120
2,4,6-Tribromophenol	**140**	Q	10-120
4-Terphenyl-d14	109		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2053156-2 WG2053156-3								
Benzaldehyde	78		77		40-140	1		30
Phenol	41		40		12-110	2		30
Bis(2-chloroethyl)ether	71		74		40-140	4		30
2-Chlorophenol	70		69		27-123	1		30
2-Methylphenol	70		70		30-130	0		30
Bis(2-chloroisopropyl)ether	77		77		40-140	0		30
Acetophenone	80		79		39-129	1		30
n-Nitrosodi-n-propylamine	71		69		29-132	3		30
3-Methylphenol/4-Methylphenol	67		72		30-130	7		30
Hexachloroethane	63		65		40-140	3		30
Nitrobenzene	68		69		40-140	1		30
Isophorone	68		69		40-140	1		30
2,4-Dimethylphenol	64		59		30-130	8		30
Bis(2-chloroethoxy)methane	72		73		40-140	1		30
2,4-Dichlorophenol	81		80		30-130	1		30
Naphthalene	71		72		40-140	1		30
4-Chloroaniline	48		57		40-140	17		30
Hexachlorobutadiene	64		68		40-140	6		30
Caprolactam	40		44		10-130	10		30
2-Methylnaphthalene	74		75		40-140	1		30
Hexachlorocyclopentadiene	67		70		40-140	4		30
1,2,4,5-Tetrachlorobenzene	73		78		2-134	7		30
2,4,6-Trichlorophenol	80		81		30-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2053156-2 WG2053156-3								
2,4,5-Trichlorophenol	88		92		30-130	4		30
Biphenyl	81		82		40-140	1		30
2-Chloronaphthalene	75		76		40-140	1		30
2-Nitroaniline	86		89		52-143	3		30
2,6-Dinitrotoluene	85		89		40-140	5		30
Acenaphthylene	75		78		45-123	4		30
Acenaphthene	76		77		37-111	1		30
2,4-Dinitrophenol	81		80		20-130	1		30
2,4-Dinitrotoluene	82		84		48-143	2		30
2,3,4,6-Tetrachlorophenol	88		87		54-145	1		30
Diethyl phthalate	78		78		40-140	0		30
Fluorene	77		78		40-140	1		30
4-Nitroaniline	76		78		51-143	3		30
NDPA/DPA	81		82		40-140	1		30
Hexachlorobenzene	81		82		40-140	1		30
Pentachlorophenol	90		85		9-103	6		30
Phenanthrene	79		82		40-140	4		30
Anthracene	82		85		40-140	4		30
Carbazole	81		83		55-144	2		30
Di-n-butylphthalate	83		85		40-140	2		30
Fluoranthene	84		86		40-140	2		30
Pyrene	86		88		26-127	2		30
3,3'-Dichlorobenzidine	64		72		40-140	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2053156-2 WG2053156-3								
Benzo(a)anthracene	80		86		40-140	7		30
Chrysene	82		86		40-140	5		30
Bis(2-ethylhexyl)phthalate	88		90		40-140	2		30
Di-n-octylphthalate	85		89		40-140	5		30
Benzo(b)fluoranthene	84		90		40-140	7		30
Benzo(k)fluoranthene	87		92		40-140	6		30
Benzo(a)pyrene	87		91		40-140	4		30
Indeno(1,2,3-cd)pyrene	84		89		40-140	6		30
Dibenzo(a,h)anthracene	82		87		40-140	6		30
Benzo(ghi)perylene	80		82		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	54		55		21-120
Phenol-d6	42		42		10-120
Nitrobenzene-d5	67		68		23-120
2-Fluorobiphenyl	74		73		15-120
2,4,6-Tribromophenol	74		77		10-120
4-Terphenyl-d14	76		80		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG2053157-2 WG2053157-3								
Naphthalene	69		75		40-140	8		40
2-Methylnaphthalene	72		78		40-140	8		40
Acenaphthylene	86		93		40-140	8		40
Acenaphthene	75		82		37-111	9		40
Fluorene	82		88		40-140	7		40
Phenanthrene	78		85		40-140	9		40
Anthracene	83		90		40-140	8		40
Fluoranthene	82		88		40-140	7		40
Pyrene	80		87		26-127	8		40
Benzo(a)anthracene	80		87		40-140	8		40
Chrysene	83		90		40-140	8		40
Benzo(b)fluoranthene	87		94		40-140	8		40
Benzo(k)fluoranthene	90		99		40-140	10		40
Benzo(a)pyrene	94		103		40-140	9		40
Indeno(1,2,3-cd)pyrene	104		114		40-140	9		40
Dibenzo(a,h)anthracene	103		112		40-140	8		40
Benzo(ghi)perylene	97		105		40-140	8		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG2053157-2 WG2053157-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		61		21-120
Phenol-d6	48		50		10-120
Nitrobenzene-d5	87		93		23-120
2-Fluorobiphenyl	76		81		15-120
2,4,6-Tribromophenol	106		115		10-120
4-Terphenyl-d14	71		78		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2521646
Report Date: 04/18/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2521646-01A	Vial HCl preserved	B	NA		2.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-01B	Vial HCl preserved	B	NA		2.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-01C	Vial HCl preserved	B	NA		2.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-01D	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2521646-01E	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2521646-02A	Vial HCl preserved	B	NA		2.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-02B	Vial HCl preserved	B	NA		2.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-02C	Vial HCl preserved	B	NA		2.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-02D	Amber 100ml unpreserved	B	11	11	2.8	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2521646-02E	Amber 100ml unpreserved	B	11	11	2.8	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2521646-03A	Vial HCl preserved	A	NA		3.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-03B	Vial HCl preserved	A	NA		3.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-03C	Vial HCl preserved	A	NA		3.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-03D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2521646-03E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2521646-04A	Vial HCl preserved	A	NA		3.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-04B	Vial HCl preserved	A	NA		3.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-04C	Vial HCl preserved	A	NA		3.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-04D	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2521646-04E	Amber 100ml unpreserved	A	7	7	3.7	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2521646-05A	Vial HCl preserved	A	NA		3.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-05B	Vial HCl preserved	A	NA		3.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)

*Values in parentheses indicate holding time in days

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2521646
Report Date: 04/18/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2521646-05C	Vial HCl preserved	A	NA		3.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-05D	Vial HCl preserved	A	NA		3.7	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-06A	Vial HCl preserved	B	NA		2.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-06B	Vial HCl preserved	B	NA		2.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-06C	Vial HCl preserved	B	NA		2.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2521646-06D	Vial HCl preserved	B	NA		2.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2521646
Project Number:	21010214	**Report Date:**	04/18/25

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2521646
Project Number:	21010214	**Report Date:**	04/18/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2521646
Project Number:	21010214	**Report Date:**	04/18/25

Data Qualifiers

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2521646
Report Date: 04/18/25

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

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

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

Certification IDs:

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

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

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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/10/25

L2521646
TRADEPOINT

Client Information

Client: Tradepoint Atlantic
Address: 6995 Bethlehem Blvd
Sparrows Point, MD
Phone:
Fax:
Email: JBarna@armgroup.net
KGuille@armgroup.net
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: B14 1st Half 2025 GW
Project Location: B14
Project #: 21010214
Project Manager: Kaye Guille
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 15-day Time:

Report Information - Data Delivera

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

pH>10

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOC 8260	SVOCs 8270 SIM	Sample Specific Comments	TOTAL # BOTTLES
21646-01	HI20R2-MWS	3/9	1100	GW	CN	X	X	pH>10	5
-02	HI07R-PZM005	3/9	1155	GW	CN	X	X	pH>10	5
-03	HI18-MWS	3/9	1330	GW	CN	X	X		5
-04	TM08R-PZM007	3/9	1420	GW	CN	X	X		5
-05	TB-001	—	—	—	—	X			4
-06	TB-002	—	—	—	—	X			4

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	V	A
Preservative	B	A

Relinquished By:	Date/Time	Received By:	Date/Time
Charlotte Norris ARM	3/9/25 1600		4-9-25 1543
Nelson F Pace	3-9-25 1845		4-9 1845
Anthony Green	4-9	Anthony Green	APR 09 2025 EDAO
CA Pace 4/10/25		F Pace 4/10/25 0145	

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

04110125-0505

ANALYTICAL REPORT

Lab Number:	L2522789
Client:	Tradepoint Atlantic 1600 Sparrows Point Boulevard Baltimore, MD 21219
ATTN:	Matthew Newman
Phone:	(443) 649-5073
Project Name:	B14 1ST HALF 2025 GW
Project Number:	21010214
Report Date:	04/22/25

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

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

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2522789
Report Date: 04/22/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2522789-01	HI22-MWS	WATER	B14	04/14/25 11:00	04/14/25
L2522789-02	HI12-MWS	WATER	B14	04/14/25 12:10	04/14/25
L2522789-03	HI10-MWS	WATER	B14	04/14/25 14:20	04/14/25
L2522789-04	HI11-MWS	WATER	B14	04/14/25 15:05	04/14/25
L2522789-05	TB-001	WATER	B14	04/14/25 00:00	04/14/25

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2522789
Project Number:	21010214	**Report Date:**	04/22/25

Case Narrative

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

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

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

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

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

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

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2522789
Project Number:	21010214	**Report Date:**	04/22/25

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 04/22/25

ORGANICS

VOLATILES

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-01
Client ID: HI22-MWS
Sample Location: B14

Date Collected: 04/14/25 11:00
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/21/25 07:59
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	5.1		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.23	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-01
Client ID: HI22-MWS
Sample Location: B14
Date Collected: 04/14/25 11:00
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	108		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2522789
Project Number: 21010214
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-01
Client ID: HI22-MWS
Sample Location: B14
Date Collected: 04/14/25 11:00
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/21/25 07:59
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
4-Bromofluorobenzene	93		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-02
Client ID: HI12-MWS
Sample Location: B14

Date Collected: 04/14/25 12:10
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/21/25 07:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	4.5	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-02
Client ID: HI12-MWS
Sample Location: B14
Date Collected: 04/14/25 12:10
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	114		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-02
Client ID: HI12-MWS
Sample Location: B14
Date Collected: 04/14/25 12:10
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/21/25 07:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
4-Bromofluorobenzene	94		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-03
Client ID: HI10-MWS
Sample Location: B14

Date Collected: 04/14/25 14:20
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/21/25 08:26
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	2.9	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	1.0		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	0.46	J	ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-03
Client ID: HI10-MWS
Sample Location: B14
Date Collected: 04/14/25 14:20
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	0.36	J	ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	0.36	J	ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	113		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2522789
Project Number: 21010214
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-03
Client ID: HI10-MWS
Sample Location: B14
Date Collected: 04/14/25 14:20
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/21/25 08:26
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
4-Bromofluorobenzene	91		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-04
Client ID: HI11-MWS
Sample Location: B14

Date Collected: 04/14/25 15:05
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/21/25 07:33
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	5.2		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-04
Client ID: HI11-MWS
Sample Location: B14
Date Collected: 04/14/25 15:05
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	110		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2522789
Project Number: 21010214
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-04
Client ID: HI11-MWS
Sample Location: B14
Date Collected: 04/14/25 15:05
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/21/25 07:33
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
4-Bromofluorobenzene	92		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-05
Client ID: TB-001
Sample Location: B14

Date Collected: 04/14/25 00:00
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/21/25 06:19
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-05
Client ID: TB-001
Sample Location: B14
Date Collected: 04/14/25 00:00
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	110		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2522789
Project Number: 21010214
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-05
Client ID: TB-001
Sample Location: B14
Date Collected: 04/14/25 00:00
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/21/25 06:19
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
4-Bromofluorobenzene	93		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/21/25 05:53
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2056533-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Cyclohexane	ND		ug/l	10	0.27
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/21/25 05:53
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2056533-5					
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/21/25 05:53
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2056533-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	110		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/21/25 05:53
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG2056541-5					
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
4-Bromofluorobenzene	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2056533-3 WG2056533-4								
Dichlorodifluoromethane	100		110		36-147	10		20
Chloromethane	120		120		64-130	0		20
Vinyl chloride	110		110		55-140	0		20
Bromomethane	45		52		39-139	14		20
Chloroethane	130		130		55-138	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,1-Dichloroethene	100		100		61-145	0		20
Carbon disulfide	120		120		51-130	0		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		110		70-130	0		20
Methylene chloride	100		110		70-130	10		20
Acetone	120		130		58-148	8		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Methyl Acetate	**140**	Q	**140**	Q	70-130	0		20
Methyl tert butyl ether	98		100		63-130	2		20
1,1-Dichloroethane	120		120		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Cyclohexane	120		120		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,1,1-Trichloroethane	100		110		67-130	10		20
2-Butanone	110		110		63-138	0		20
Benzene	100		100		70-130	0		20
1,2-Dichloroethane	120		120		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2056533-3 WG2056533-4								
Trichloroethene	100		100		70-130	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Bromodichloromethane	100		100		67-130	0		20
cis-1,3-Dichloropropene	93		96		70-130	3		20
Toluene	100		100		70-130	0		20
Tetrachloroethene	97		96		70-130	1		20
4-Methyl-2-pentanone	90		89		59-130	1		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Dibromochloromethane	93		95		63-130	2		20
1,2-Dibromoethane	95		98		70-130	3		20
2-Hexanone	98		98		57-130	0		20
Chlorobenzene	98		97		75-130	1		20
Ethylbenzene	100		100		70-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
Styrene	95		100		70-130	5		20
Bromoform	88		91		54-136	3		20
Isopropylbenzene	98		100		70-130	2		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	98		100		70-130	2		20
1,2-Dichlorobenzene	98		100		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2056533-3 WG2056533-4								
1,2-Dibromo-3-chloropropane	80		83		41-144	4		20
1,2,4-Trichlorobenzene	90		94		70-130	4		20
1,2,3-Trichlorobenzene	91		97		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	118		117		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	94		97		70-130
Dibromofluoromethane	106		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG2056541-3 WG2056541-4								
1,1,2,2-Tetrachloroethane	110		106		70-130	4		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	119		121		70-130
4-Bromofluorobenzene	92		91		70-130

SEMIVOLATILES

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-01
Client ID: HI22-MWS
Sample Location: B14

Date Collected: 04/14/25 11:00
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/19/25 14:30
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/19/25 01:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2522789

Project Number: 21010214 **Report Date:** 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-01 Date Collected: 04/14/25 11:00

Client ID: HI22-MWS Date Received: 04/14/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	68		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-01
Client ID: HI22-MWS
Sample Location: B14

Date Collected: 04/14/25 11:00
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/19/25 14:02
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/19/25 01:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	0.16		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.03	1
Acenaphthylene	0.04	J	ug/l	0.10	0.02	1
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	0.07		ug/l	0.05	0.04	1
Anthracene	0.08	J	ug/l	0.10	0.02	1
Fluoranthene	0.13		ug/l	0.10	0.03	1
Pyrene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	0.07		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.05	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	61		15-120
4-Terphenyl-d14	78		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-02
Client ID: HI12-MWS
Sample Location: B14

Date Collected: 04/14/25 12:10
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/19/25 14:52
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/19/25 01:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2522789

Project Number: 21010214 **Report Date:** 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-02 Date Collected: 04/14/25 12:10

Client ID: HI12-MWS Date Received: 04/14/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	96		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-02
Client ID: HI12-MWS
Sample Location: B14

Date Collected: 04/14/25 12:10
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/19/25 14:36
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/19/25 01:15

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	74		15-120
4-Terphenyl-d14	99		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-03
Client ID: HI10-MWS
Sample Location: B14

Date Collected: 04/14/25 14:20
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/19/25 15:14
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/19/25 01:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	32		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	1.7	J	ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	0.32	J	ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2522789

Project Number: 21010214 **Report Date:** 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-03 Date Collected: 04/14/25 14:20

Client ID: HI10-MWS Date Received: 04/14/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	0.48	J	ug/l	2.0	0.32	1
Acenaphthene	1.8	J	ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	1.4	J	ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	2.3		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	4.2		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	0.56	J	ug/l	2.0	0.41	1
Pyrene	0.47	J	ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	90		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-03
Client ID: HI10-MWS
Sample Location: B14

Date Collected: 04/14/25 14:20
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/19/25 14:53
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/19/25 01:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	33		ug/l	0.10	0.02	1
2-Methylnaphthalene	1.9		ug/l	0.10	0.03	1
Acenaphthylene	0.57		ug/l	0.10	0.02	1
Acenaphthene	2.2		ug/l	0.10	0.02	1
Fluorene	1.8		ug/l	0.10	0.03	1
Phenanthrene	2.8		ug/l	0.05	0.04	1
Anthracene	0.40		ug/l	0.10	0.02	1
Fluoranthene	0.72		ug/l	0.10	0.03	1
Pyrene	0.53		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.07		ug/l	0.05	0.03	1
Chrysene	0.04	J	ug/l	0.10	0.03	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	76		15-120
4-Terphenyl-d14	103		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-04
Client ID: HI11-MWS
Sample Location: B14

Date Collected: 04/14/25 15:05
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/19/25 15:37
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/19/25 01:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	0.83	J	ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2522789

Project Number: 21010214 **Report Date:** 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-04 Date Collected: 04/14/25 15:05

Client ID: HI11-MWS Date Received: 04/14/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	90		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

SAMPLE RESULTS

Lab ID: L2522789-04
Client ID: HI11-MWS
Sample Location: B14

Date Collected: 04/14/25 15:05
Date Received: 04/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/19/25 15:10
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/19/25 01:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	0.92		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.03	1
Acenaphthylene	0.05	J	ug/l	0.10	0.02	1
Acenaphthene	0.07	J	ug/l	0.10	0.02	1
Fluorene	0.04	J	ug/l	0.10	0.03	1
Phenanthrene	0.06		ug/l	0.05	0.04	1
Anthracene	0.12		ug/l	0.10	0.02	1
Fluoranthene	0.07	J	ug/l	0.10	0.03	1
Pyrene	0.06	J	ug/l	0.10	0.04	1
Benzo(a)anthracene	0.04	J	ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	70		15-120
4-Terphenyl-d14	90		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/19/25 13:01
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/19/25 01:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2055925-1					
Benzaldehyde	ND		ug/l	5.0	1.1
Phenol	ND		ug/l	5.0	0.35
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chlorophenol	ND		ug/l	2.0	0.65
2-Methylphenol	ND		ug/l	5.0	2.3
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Acetophenone	ND		ug/l	5.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
Hexachloroethane	ND		ug/l	2.0	0.20
Nitrobenzene	ND		ug/l	1.4	0.20
Isophorone	ND		ug/l	5.0	0.86
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
Naphthalene	ND		ug/l	2.0	0.54
4-Chloroaniline	ND		ug/l	3.7	0.47
Hexachlorobutadiene	ND		ug/l	2.0	0.36
Caprolactam	ND		ug/l	10	1.2
2-Methylnaphthalene	ND		ug/l	2.0	0.37
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Biphenyl	ND		ug/l	2.0	0.20
2-Chloronaphthalene	ND		ug/l	2.0	0.35
2-Nitroaniline	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
Acenaphthylene	ND		ug/l	2.0	0.32

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/19/25 13:01
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/19/25 01:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2055925-1					
Acenaphthene	ND		ug/l	2.0	0.40
2,4-Dinitrophenol	ND		ug/l	20	5.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2
Diethyl phthalate	ND		ug/l	5.0	0.76
Fluorene	ND		ug/l	2.0	0.44
4-Nitroaniline	ND		ug/l	5.0	1.4
NDPA/DPA	ND		ug/l	2.0	0.92
Hexachlorobenzene	ND		ug/l	2.0	0.45
Pentachlorophenol	ND		ug/l	10	2.5
Phenanthrene	ND		ug/l	2.0	0.42
Anthracene	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.31
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Fluoranthene	ND		ug/l	2.0	0.41
Pyrene	ND		ug/l	2.0	0.41
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Chrysene	ND		ug/l	1.5	0.22
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62
Benzo(a)pyrene	ND		ug/l	2.0	0.37
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29
Benzo(ghi)perylene	ND		ug/l	2.0	0.37

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/19/25 13:01
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/19/25 01:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2055925-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	73		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/19/25 13:11
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/19/25 01:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG2055927-1					
Naphthalene	0.04	J	ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Acenaphthene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.05	0.04
Anthracene	ND		ug/l	0.10	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Pyrene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.05	0.03
Chrysene	ND		ug/l	0.10	0.03
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	48		15-120
4-Terphenyl-d14	75		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2055925-2 WG2055925-3								
Benzaldehyde	80		80		40-140	0		30
Phenol	44		40		12-110	10		30
Bis(2-chloroethyl)ether	78		74		40-140	5		30
2-Chlorophenol	64		64		27-123	0		30
2-Methylphenol	68		70		30-130	3		30
Bis(2-chloroisopropyl)ether	74		74		40-140	0		30
Acetophenone	81		82		39-129	1		30
n-Nitrosodi-n-propylamine	75		80		29-132	6		30
3-Methylphenol/4-Methylphenol	72		72		30-130	0		30
Hexachloroethane	**36**	Q	50		40-140	**33**	Q	30
Nitrobenzene	68		71		40-140	4		30
Isophorone	73		72		40-140	1		30
2,4-Dimethylphenol	68		65		30-130	5		30
Bis(2-chloroethoxy)methane	73		74		40-140	1		30
2,4-Dichlorophenol	72		74		30-130	3		30
Naphthalene	56		62		40-140	10		30
4-Chloroaniline	58		52		40-140	11		30
Hexachlorobutadiene	**33**	Q	47		40-140	**35**	Q	30
Caprolactam	36		34		10-130	6		30
2-Methylnaphthalene	60		64		40-140	6		30
Hexachlorocyclopentadiene	**34**	Q	44		40-140	26		30
1,2,4,5-Tetrachlorobenzene	60		65		2-134	8		30
2,4,6-Trichlorophenol	69		71		30-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2055925-2 WG2055925-3								
2,4,5-Trichlorophenol	75		76		30-130	1		30
Biphenyl	66		77		40-140	15		30
2-Chloronaphthalene	62		70		40-140	12		30
2-Nitroaniline	74		80		52-143	8		30
2,6-Dinitrotoluene	77		79		40-140	3		30
Acenaphthylene	68		72		45-123	6		30
Acenaphthene	69		79		37-111	14		30
2,4-Dinitrophenol	41		47		20-130	14		30
2,4-Dinitrotoluene	76		85		48-143	11		30
2,3,4,6-Tetrachlorophenol	84		87		54-145	4		30
Diethyl phthalate	80		87		40-140	8		30
Fluorene	74		81		40-140	9		30
4-Nitroaniline	89		97		51-143	9		30
NDPA/DPA	78		84		40-140	7		30
Hexachlorobenzene	73		80		40-140	9		30
Pentachlorophenol	80		86		9-103	7		30
Phenanthrene	82		87		40-140	6		30
Anthracene	84		88		40-140	5		30
Carbazole	88		92		55-144	4		30
Di-n-butylphthalate	85		90		40-140	6		30
Fluoranthene	87		90		40-140	3		30
Pyrene	84		88		26-127	5		30
3,3'-Dichlorobenzidine	71		71		40-140	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2055925-2 WG2055925-3								
Benzo(a)anthracene	88		91		40-140	3		30
Chrysene	87		92		40-140	6		30
Bis(2-ethylhexyl)phthalate	90		96		40-140	6		30
Di-n-octylphthalate	91		99		40-140	8		30
Benzo(b)fluoranthene	89		96		40-140	8		30
Benzo(k)fluoranthene	86		95		40-140	10		30
Benzo(a)pyrene	91		96		40-140	5		30
Indeno(1,2,3-cd)pyrene	84		88		40-140	5		30
Dibenzo(a,h)anthracene	88		93		40-140	6		30
Benzo(ghi)perylene	89		92		40-140	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	44		52		21-120
Phenol-d6	37		41		10-120
Nitrobenzene-d5	60		74		23-120
2-Fluorobiphenyl	45		57		15-120
2,4,6-Tribromophenol	71		82		10-120
4-Terphenyl-d14	75		81		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG2055927-2 WG2055927-3								
Naphthalene	48		55		40-140	14		40
2-Methylnaphthalene	51		59		40-140	15		40
Acenaphthylene	70		76		40-140	8		40
Acenaphthene	60		66		37-111	10		40
Fluorene	70		75		40-140	7		40
Phenanthrene	67		72		40-140	7		40
Anthracene	71		76		40-140	7		40
Fluoranthene	77		85		40-140	10		40
Pyrene	77		86		26-127	11		40
Benzo(a)anthracene	70		75		40-140	7		40
Chrysene	72		77		40-140	7		40
Benzo(b)fluoranthene	76		83		40-140	9		40
Benzo(k)fluoranthene	73		79		40-140	8		40
Benzo(a)pyrene	81		88		40-140	8		40
Indeno(1,2,3-cd)pyrene	95		103		40-140	8		40
Dibenzo(a,h)anthracene	90		98		40-140	9		40
Benzo(ghi)perylene	83		91		40-140	9		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG2055927-2 WG2055927-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	65		74		23-120
2-Fluorobiphenyl	45		57		15-120
4-Terphenyl-d14	69		77		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2522789
Report Date: 04/22/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2522789-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-01D	Amber 100ml unpreserved	A	7	7	3.3	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2522789-01E	Amber 100ml unpreserved	A	7	7	3.3	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2522789-02A	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-02B	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-02C	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-02D	Amber 100ml unpreserved	A	7	7	3.3	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2522789-02E	Amber 100ml unpreserved	A	7	7	3.3	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2522789-03A	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-03B	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-03C	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-03D	Amber 100ml unpreserved	A	7	7	3.3	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2522789-03E	Amber 100ml unpreserved	A	7	7	3.3	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2522789-04A	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-04B	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-04C	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-04D	Amber 100ml unpreserved	A	7	7	3.3	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2522789-04E	Amber 100ml unpreserved	A	7	7	3.3	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2522789-05A	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-05B	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522789-05C	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)

*Values in parentheses indicate holding time in days

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2522789
Report Date: 04/22/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2522789-05D	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260-SIM(14),PA-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2522789
Project Number:	21010214	**Report Date:**	04/22/25

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2522789
Project Number:	21010214	**Report Date:**	04/22/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2522789
Project Number:	21010214	**Report Date:**	04/22/25

Data Qualifiers

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522789
Report Date: 04/22/25

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

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

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

Certification IDs:

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

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

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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 4/15/25

Pace Job #: L2522789

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Tradepoint Atlantic
Address: 6995 Bethlehem Blvd
Sparrows Point, MD
Phone:
Fax:
Email: JBarna@armgroup.net
KGille@armgroup.net
☐ These samples have been previously analyzed by Pace

Project Information

Project Name: B14 1st Half 2025 GW
Project Location: B14
Project #: 21010214
Project Manager: Kaye Gille
Pace Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: (5-day) Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

Pace Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOCs 8260	SVOCs 8270 Sim	Sample Specific Comments	TOTAL # BOTTLES
22789-01	HI22-MWS	4/14	1100	GW	CN	X	X		5
02	HI12-MWS	4/14	1210	GW	CN	X	X		5
03	HI10-MWS	4/14	1420	GW	CN	X	X	pH >10	5
04	HI11-MWS	4/14	1505	GW	CN	X	X	pH >10	5
05	TB-001	—	—	—	—	X			4
									24

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	V	A
Preservative	B	A

Relinquished By:	Date/Time	Received By:	Date/Time
Christopher Harris PACE	4/14/25 1600	Anthony Green PACE	4/14/25 1550
Anthony Green	4/14 1820	Anthony Green	4/14 1820
Anthony Green	4/15 0300	PACE	4/15/25 0300

APR 14 2025

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Pace's Terms and Conditions. See reverse side.

ANALYTICAL REPORT

Lab Number:	L2522156
Client:	Tradepoint Atlantic 1600 Sparrows Point Boulevard Baltimore, MD 21219
ATTN:	Matthew Newman
Phone:	(443) 649-5073
Project Name:	B14 1ST HALF 2025 GW
Project Number:	21010214
Report Date:	04/23/25

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

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

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2522156
Report Date: 04/23/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2522156-01	HI21-MWS	WATER	B14	04/10/25 10:30	04/10/25
L2522156-02	HI19-MWS	WATER	B14	04/10/25 11:25	04/10/25
L2522156-03	HI16-MWS	WATER	B14	04/10/25 13:05	04/10/25
L2522156-04	HI15-MWS	WATER	B14	04/10/25 13:50	04/10/25
L2522156-05	HI14-MWS	WATER	B14	04/10/25 14:25	04/10/25
L2522156-06	TB-001	WATER	B14	04/10/25 00:00	04/10/25

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2522156
Project Number:	21010214	**Report Date:**	04/23/25

Case Narrative

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

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

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

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

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

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

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2522156
Project Number:	21010214	**Report Date:**	04/23/25

Case Narrative (continued)

Report Submission

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

Semivolatile Organics

L2522156-05: The volume of sample received for the analysis deviates from the laboratory's current volume requirements. An aliquot was taken from the original sample container, extracted, analyzed, and reported accordingly.

Semivolatile Organics by SIM

L2522156-05: The volume of sample received for the analysis deviates from the laboratory's current volume requirements. An aliquot was taken from the original sample container, extracted, analyzed, and reported accordingly.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 04/23/25

ORGANICS

VOLATILES

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-01
Client ID: HI21-MWS
Sample Location: B14

Date Collected: 04/10/25 10:30
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/18/25 09:44
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-01
Client ID: HI21-MWS
Sample Location: B14
Date Collected: 04/10/25 10:30
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2522156
Project Number: 21010214
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-01
Client ID: HI21-MWS
Sample Location: B14
Date Collected: 04/10/25 10:30
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/18/25 09:44
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
4-Bromofluorobenzene	99		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-02
Client ID: HI19-MWS
Sample Location: B14

Date Collected: 04/10/25 11:25
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/18/25 10:37
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	2.7	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	12		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	4.1		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-02
Client ID: HI19-MWS
Sample Location: B14
Date Collected: 04/10/25 11:25
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	0.19	J	ug/l	0.50	0.17	1
p/m-Xylene	2.0		ug/l	1.0	0.33	1
o-Xylene	1.0		ug/l	1.0	0.39	1
Xylenes, Total	3.0		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	107		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2522156
Project Number: 21010214
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-02
Client ID: HI19-MWS
Sample Location: B14
Date Collected: 04/10/25 11:25
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/18/25 10:37
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
4-Bromofluorobenzene	97		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-03
Client ID: HI16-MWS
Sample Location: B14

Date Collected: 04/10/25 13:05
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/18/25 10:11
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	7.4		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-03
Client ID: HI16-MWS
Sample Location: B14
Date Collected: 04/10/25 13:05
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	109		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2522156
Project Number: 21010214
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-03
Client ID: HI16-MWS
Sample Location: B14
Date Collected: 04/10/25 13:05
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/18/25 10:11
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
4-Bromofluorobenzene	99		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-04
Client ID: HI15-MWS
Sample Location: B14

Date Collected: 04/10/25 13:50
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/18/25 11:04
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	3.2	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-04
Client ID: HI15-MWS
Sample Location: B14
Date Collected: 04/10/25 13:50
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	111		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2522156
Project Number: 21010214
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-04
Client ID: HI15-MWS
Sample Location: B14
Date Collected: 04/10/25 13:50
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/18/25 11:04
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
4-Bromofluorobenzene	99		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-05
Client ID: HI14-MWS
Sample Location: B14

Date Collected: 04/10/25 14:25
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/18/25 11:30
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	2.2	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-05
Client ID: HI14-MWS
Sample Location: B14
Date Collected: 04/10/25 14:25
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	109		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2522156
Project Number: 21010214
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-05
Client ID: HI14-MWS
Sample Location: B14
Date Collected: 04/10/25 14:25
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/18/25 11:30
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
4-Bromofluorobenzene	99		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-06
Client ID: TB-001
Sample Location: B14

Date Collected: 04/10/25 00:00
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/17/25 13:10
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-06
Client ID: TB-001
Sample Location: B14
Date Collected: 04/10/25 00:00
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2522156
Project Number: 21010214
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-06
Client ID: TB-001
Sample Location: B14
Date Collected: 04/10/25 00:00
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/17/25 13:10
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
4-Bromofluorobenzene	93		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/17/25 06:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG2055118-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Cyclohexane	ND		ug/l	10	0.27
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/17/25 06:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG2055118-5					
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/17/25 06:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG2055118-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/17/25 06:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG2055119-5					
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
4-Bromofluorobenzene	96		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/18/25 06:13
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2056423-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Cyclohexane	ND		ug/l	10	0.27
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/18/25 06:13
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2056423-5					
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/18/25 06:13
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2056423-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/18/25 06:13
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG2056429-5					
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
4-Bromofluorobenzene	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2055118-3 WG2055118-4								
Dichlorodifluoromethane	110		100		36-147	10		20
Chloromethane	97		95		64-130	2		20
Vinyl chloride	110		100		55-140	10		20
Bromomethane	64		66		39-139	3		20
Chloroethane	120		120		55-138	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,1-Dichloroethene	100		98		61-145	2		20
Carbon disulfide	110		100		51-130	10		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		110		70-130	0		20
Methylene chloride	100		99		70-130	1		20
Acetone	120		110		58-148	9		20
trans-1,2-Dichloroethene	100		97		70-130	3		20
Methyl Acetate	120		120		70-130	0		20
Methyl tert butyl ether	100		99		63-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
cis-1,2-Dichloroethene	98		96		70-130	2		20
Cyclohexane	120		110		70-130	9		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
2-Butanone	96		93		63-138	3		20
Benzene	100		96		70-130	4		20
1,2-Dichloroethane	110		110		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2055118-3 WG2055118-4								
Trichloroethene	98		94		70-130	4		20
1,2-Dichloropropane	100		100		70-130	0		20
Bromodichloromethane	99		95		67-130	4		20
cis-1,3-Dichloropropene	94		92		70-130	2		20
Toluene	98		96		70-130	2		20
Tetrachloroethene	99		95		70-130	4		20
4-Methyl-2-pentanone	89		88		59-130	1		20
trans-1,3-Dichloropropene	99		99		70-130	0		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Dibromochloromethane	92		92		63-130	0		20
1,2-Dibromoethane	96		94		70-130	2		20
2-Hexanone	95		91		57-130	4		20
Chlorobenzene	96		94		75-130	2		20
Ethylbenzene	100		99		70-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
Styrene	95		95		70-130	0		20
Bromoform	89		88		54-136	1		20
Isopropylbenzene	100		99		70-130	1		20
1,1,2,2-Tetrachloroethane	100		96		67-130	4		20
1,3-Dichlorobenzene	100		97		70-130	3		20
1,4-Dichlorobenzene	99		95		70-130	4		20
1,2-Dichlorobenzene	98		96		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG2055118-3 WG2055118-4								
1,2-Dibromo-3-chloropropane	82		80		41-144	2		20
1,2,4-Trichlorobenzene	94		89		70-130	5		20
1,2,3-Trichlorobenzene	92		91		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		112		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG2055119-3 WG2055119-4								
1,1,2,2-Tetrachloroethane	100		96		70-130	4		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		115		70-130
4-Bromofluorobenzene	98		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2056423-3 WG2056423-4								
Dichlorodifluoromethane	110		110		36-147	0		20
Chloromethane	110		110		64-130	0		20
Vinyl chloride	110		110		55-140	0		20
Bromomethane	58		62		39-139	7		20
Chloroethane	120		120		55-138	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,1-Dichloroethene	100		100		61-145	0		20
Carbon disulfide	110		110		51-130	0		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		110		70-130	0		20
Methylene chloride	100		100		70-130	0		20
Acetone	120		120		58-148	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Methyl Acetate	130		130		70-130	0		20
Methyl tert butyl ether	98		99		63-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
cis-1,2-Dichloroethene	98		98		70-130	0		20
Cyclohexane	120		120		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
2-Butanone	100		100		63-138	0		20
Benzene	100		99		70-130	1		20
1,2-Dichloroethane	110		110		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2056423-3 WG2056423-4								
Trichloroethene	98		97		70-130	1		20
1,2-Dichloropropane	100		100		70-130	0		20
Bromodichloromethane	98		97		67-130	1		20
cis-1,3-Dichloropropene	92		92		70-130	0		20
Toluene	98		98		70-130	0		20
Tetrachloroethene	97		97		70-130	0		20
4-Methyl-2-pentanone	87		90		59-130	3		20
trans-1,3-Dichloropropene	97		99		70-130	2		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Dibromochloromethane	92		92		63-130	0		20
1,2-Dibromoethane	95		95		70-130	0		20
2-Hexanone	93		96		57-130	3		20
Chlorobenzene	96		96		75-130	0		20
Ethylbenzene	99		100		70-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		95		70-130	0		20
Styrene	95		95		70-130	0		20
Bromoform	86		86		54-136	0		20
Isopropylbenzene	98		100		70-130	2		20
1,1,2,2-Tetrachloroethane	98		100		67-130	2		20
1,3-Dichlorobenzene	98		100		70-130	2		20
1,4-Dichlorobenzene	98		98		70-130	0		20
1,2-Dichlorobenzene	95		98		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2056423-3 WG2056423-4								
1,2-Dibromo-3-chloropropane	81		87		41-144	7		20
1,2,4-Trichlorobenzene	90		93		70-130	3		20
1,2,3-Trichlorobenzene	93		94		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		112		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	95		99		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG2056429-3 WG2056429-4								
1,1,2,2-Tetrachloroethane	104		96		70-130	8		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		116		70-130
4-Bromofluorobenzene	94		92		70-130

SEMIVOLATILES

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-01
Client ID: HI21-MWS
Sample Location: B14

Date Collected: 04/10/25 10:30
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/17/25 22:21
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 18:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2522156

Project Number: 21010214 **Report Date:** 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-01 Date Collected: 04/10/25 10:30

Client ID: HI21-MWS Date Received: 04/10/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	73		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-01
Client ID: HI21-MWS
Sample Location: B14

Date Collected: 04/10/25 10:30
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/13/25 14:01
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 18:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	0.05	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.05	0.04	1
Anthracene	ND		ug/l	0.10	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Pyrene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	**123**	Q	23-120
2-Fluorobiphenyl	90		15-120
4-Terphenyl-d14	97		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-02
Client ID: HI19-MWS
Sample Location: B14

Date Collected: 04/10/25 11:25
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/17/25 22:44
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 18:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	4.2	J	ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	3.2	J	ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	57		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	150		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	44		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	3.1		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	0.76	J	ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2522156

Project Number: 21010214 **Report Date:** 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-02 Date Collected: 04/10/25 11:25

Client ID: HI19-MWS Date Received: 04/10/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	1.4	J	ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	1.7	J	ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	81		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-02 D
Client ID: HI19-MWS
Sample Location: B14

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/15/25 11:55
Analyst: JJW

Date Collected: 04/10/25 11:25
Date Received: 04/10/25
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 18:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	52		ug/l	0.20	0.05	2
2-Methylnaphthalene	3.7		ug/l	0.20	0.06	2
Acenaphthylene	0.56		ug/l	0.20	0.04	2
Acenaphthene	0.90		ug/l	0.20	0.05	2
Fluorene	1.0		ug/l	0.20	0.05	2
Phenanthrene	1.6		ug/l	0.10	0.08	2
Anthracene	0.30		ug/l	0.20	0.05	2
Fluoranthene	0.37		ug/l	0.20	0.05	2
Pyrene	0.24		ug/l	0.20	0.09	2
Benzo(a)anthracene	ND		ug/l	0.10	0.06	2
Chrysene	ND		ug/l	0.20	0.06	2
Benzo(b)fluoranthene	ND		ug/l	0.10	0.05	2
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	2
Benzo(a)pyrene	ND		ug/l	0.20	0.05	2
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	2
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.05	2
Benzo(ghi)perylene	ND		ug/l	0.20	0.05	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	117		23-120
2-Fluorobiphenyl	100		15-120
4-Terphenyl-d14	101		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-03
Client ID: HI16-MWS
Sample Location: B14

Date Collected: 04/10/25 13:05
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/17/25 11:05
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 21:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	1.6	J	ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-03
Client ID: HI16-MWS
Sample Location: B14
Date Collected: 04/10/25 13:05
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	1.6	J	ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	104		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-03
Client ID: HI16-MWS
Sample Location: B14

Date Collected: 04/10/25 13:05
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/13/25 14:34
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 21:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	1.6		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.08	J	ug/l	0.10	0.03	1
Acenaphthylene	0.08	J	ug/l	0.10	0.02	1
Acenaphthene	0.06	J	ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	0.05		ug/l	0.05	0.04	1
Anthracene	0.35		ug/l	0.10	0.02	1
Fluoranthene	0.24		ug/l	0.10	0.03	1
Pyrene	0.23		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.06		ug/l	0.05	0.03	1
Chrysene	0.04	J	ug/l	0.10	0.03	1
Benzo(b)fluoranthene	0.07		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	0.04	J	ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	**124**	Q	23-120
2-Fluorobiphenyl	94		15-120
4-Terphenyl-d14	117		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-04
Client ID: HI15-MWS
Sample Location: B14

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/17/25 11:28
Analyst: JG

Date Collected: 04/10/25 13:50
Date Received: 04/10/25
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 21:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	0.65	J	ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-04
Client ID: HI15-MWS
Sample Location: B14
Date Collected: 04/10/25 13:50
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	8.2		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	1.1	J	ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	44		10-120
4-Terphenyl-d14	91		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-04
Client ID: HI15-MWS
Sample Location: B14

Date Collected: 04/10/25 13:50
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/13/25 14:50
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 21:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	0.64		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluorene	0.03	J	ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.05	0.04	1
Anthracene	0.06	J	ug/l	0.10	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Pyrene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	75		15-120
4-Terphenyl-d14	101		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-05
Client ID: HI14-MWS
Sample Location: B14

Date Collected: 04/10/25 14:25
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/17/25 11:51
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 21:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	0.80	J	ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2522156

Project Number: 21010214 **Report Date:** 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-05 Date Collected: 04/10/25 14:25

Client ID: HI14-MWS Date Received: 04/10/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	1.4	J	ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	0.81	J	ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	0.74	J	ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	1.0	J	ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	103		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

SAMPLE RESULTS

Lab ID: L2522156-05
Client ID: HI14-MWS
Sample Location: B14

Date Collected: 04/10/25 14:25
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/13/25 15:06
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 21:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	0.81		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.05	J	ug/l	0.10	0.03	1
Acenaphthylene	0.05	J	ug/l	0.10	0.02	1
Acenaphthene	1.6		ug/l	0.10	0.02	1
Fluorene	0.82		ug/l	0.10	0.03	1
Phenanthrene	0.85		ug/l	0.05	0.04	1
Anthracene	0.19		ug/l	0.10	0.02	1
Fluoranthene	0.18		ug/l	0.10	0.03	1
Pyrene	0.11		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	**125**	Q	23-120
2-Fluorobiphenyl	91		15-120
4-Terphenyl-d14	112		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/16/25 18:13
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 17:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2052805-1					
Benzaldehyde	ND		ug/l	5.0	1.1
Phenol	ND		ug/l	5.0	0.35
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chlorophenol	ND		ug/l	2.0	0.65
2-Methylphenol	ND		ug/l	5.0	2.3
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Acetophenone	ND		ug/l	5.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
Hexachloroethane	ND		ug/l	2.0	0.20
Nitrobenzene	ND		ug/l	1.4	0.20
Isophorone	ND		ug/l	5.0	0.86
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
Naphthalene	ND		ug/l	2.0	0.54
4-Chloroaniline	ND		ug/l	3.7	0.47
Hexachlorobutadiene	ND		ug/l	2.0	0.36
Caprolactam	ND		ug/l	10	1.2
2-Methylnaphthalene	ND		ug/l	2.0	0.37
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Biphenyl	ND		ug/l	2.0	0.20
2-Chloronaphthalene	ND		ug/l	2.0	0.35
2-Nitroaniline	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
Acenaphthylene	ND		ug/l	2.0	0.32

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/16/25 18:13
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 17:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2052805-1					
Acenaphthene	ND		ug/l	2.0	0.40
2,4-Dinitrophenol	ND		ug/l	20	5.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2
Diethyl phthalate	ND		ug/l	5.0	0.76
Fluorene	ND		ug/l	2.0	0.44
4-Nitroaniline	ND		ug/l	5.0	1.4
NDPA/DPA	ND		ug/l	2.0	0.92
Hexachlorobenzene	ND		ug/l	2.0	0.45
Pentachlorophenol	ND		ug/l	10	2.5
Phenanthrene	ND		ug/l	2.0	0.42
Anthracene	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.31
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Fluoranthene	ND		ug/l	2.0	0.41
Pyrene	ND		ug/l	2.0	0.41
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Chrysene	ND		ug/l	1.5	0.22
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62
Benzo(a)pyrene	ND		ug/l	2.0	0.37
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29
Benzo(ghi)perylene	ND		ug/l	2.0	0.37

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/16/25 18:13
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 17:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2052805-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	66		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/13/25 12:54
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/11/25 17:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG2052806-1					
Naphthalene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Acenaphthene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.05	0.04
Anthracene	ND		ug/l	0.10	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Pyrene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.05	0.03
Chrysene	ND		ug/l	0.10	0.03
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	70		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2052805-2 WG2052805-3								
Benzaldehyde	60		64		40-140	6		30
Phenol	27		28		12-110	4		30
Bis(2-chloroethyl)ether	57		58		40-140	2		30
2-Chlorophenol	54		55		27-123	2		30
2-Methylphenol	52		50		30-130	4		30
Bis(2-chloroisopropyl)ether	58		60		40-140	3		30
Acetophenone	61		62		39-129	2		30
n-Nitrosodi-n-propylamine	54		56		29-132	4		30
3-Methylphenol/4-Methylphenol	53		52		30-130	2		30
Hexachloroethane	41		46		40-140	11		30
Nitrobenzene	54		57		40-140	5		30
Isophorone	53		54		40-140	2		30
2,4-Dimethylphenol	50		50		30-130	0		30
Bis(2-chloroethoxy)methane	54		56		40-140	4		30
2,4-Dichlorophenol	60		61		30-130	2		30
Naphthalene	50		55		40-140	10		30
4-Chloroaniline	40		42		40-140	5		30
Hexachlorobutadiene	43		47		40-140	9		30
Caprolactam	30		32		10-130	6		30
2-Methylnaphthalene	49		55		40-140	12		30
Hexachlorocyclopentadiene	**30**	Q	**36**	Q	40-140	18		30
1,2,4,5-Tetrachlorobenzene	49		55		2-134	12		30
2,4,6-Trichlorophenol	56		63		30-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2052805-2 WG2052805-3								
2,4,5-Trichlorophenol	63		71		30-130	12		30
Biphenyl	55		60		40-140	9		30
2-Chloronaphthalene	51		56		40-140	9		30
2-Nitroaniline	62		65		52-143	5		30
2,6-Dinitrotoluene	59		69		40-140	16		30
Acenaphthylene	52		58		45-123	11		30
Acenaphthene	53		57		37-111	7		30
2,4-Dinitrophenol	54		59		20-130	9		30
2,4-Dinitrotoluene	58		64		48-143	10		30
2,3,4,6-Tetrachlorophenol	63		64		54-145	2		30
Diethyl phthalate	56		62		40-140	10		30
Fluorene	55		60		40-140	9		30
4-Nitroaniline	54		59		51-143	9		30
NDPA/DPA	57		47		40-140	19		30
Hexachlorobenzene	58		63		40-140	8		30
Pentachlorophenol	60		71		9-103	17		30
Phenanthrene	60		62		40-140	3		30
Anthracene	61		63		40-140	3		30
Carbazole	60		64		55-144	6		30
Di-n-butylphthalate	60		65		40-140	8		30
Fluoranthene	63		66		40-140	5		30
Pyrene	62		66		26-127	6		30
3,3'-Dichlorobenzidine	57		42		40-140	30		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2052805-2 WG2052805-3								
Benzo(a)anthracene	62		63		40-140	2		30
Chrysene	64		65		40-140	2		30
Bis(2-ethylhexyl)phthalate	61		66		40-140	8		30
Di-n-octylphthalate	61		66		40-140	8		30
Benzo(b)fluoranthene	64		66		40-140	3		30
Benzo(k)fluoranthene	67		67		40-140	0		30
Benzo(a)pyrene	65		64		40-140	2		30
Indeno(1,2,3-cd)pyrene	64		65		40-140	2		30
Dibenzo(a,h)anthracene	65		66		40-140	2		30
Benzo(ghi)perylene	62		62		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	41		40		21-120
Phenol-d6	29		30		10-120
Nitrobenzene-d5	55		56		23-120
2-Fluorobiphenyl	57		61		15-120
2,4,6-Tribromophenol	60		62		10-120
4-Terphenyl-d14	60		64		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG2052806-2 WG2052806-3								
Naphthalene	51		59		40-140	15		40
2-Methylnaphthalene	49		57		40-140	15		40
Acenaphthylene	63		72		40-140	13		40
Acenaphthene	57		67		37-111	16		40
Fluorene	63		73		40-140	15		40
Phenanthrene	61		70		40-140	14		40
Anthracene	64		73		40-140	13		40
Fluoranthene	62		68		40-140	9		40
Pyrene	59		66		26-127	11		40
Benzo(a)anthracene	67		77		40-140	14		40
Chrysene	63		72		40-140	13		40
Benzo(b)fluoranthene	70		83		40-140	17		40
Benzo(k)fluoranthene	69		78		40-140	12		40
Benzo(a)pyrene	71		81		40-140	13		40
Indeno(1,2,3-cd)pyrene	73		84		40-140	14		40
Dibenzo(a,h)anthracene	76		86		40-140	12		40
Benzo(ghi)perylene	74		85		40-140	14		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG2052806-2 WG2052806-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	52		56		21-120
Phenol-d6	41		44		10-120
Nitrobenzene-d5	72		78		23-120
2-Fluorobiphenyl	60		65		15-120
2,4,6-Tribromophenol	77		84		10-120
4-Terphenyl-d14	59		62		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2522156
Report Date: 04/23/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2522156-01A	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-01B	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-01C	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-01D	Amber 100ml unpreserved	A	7	7	3.8	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2522156-01E	Amber 100ml unpreserved	A	7	7	3.8	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2522156-02A	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-02B	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-02C	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-02D	Amber 100ml unpreserved	A	12	12	3.8	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2522156-02E	Amber 100ml unpreserved	A	12	12	3.8	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2522156-03A	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-03B	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-03C	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-03D	Amber 100ml unpreserved	A	7	7	3.8	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2522156-03E	Amber 100ml unpreserved	A	7	7	3.8	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2522156-04A	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-04B	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-04C	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-04D	Amber 100ml unpreserved	A	7	7	3.8	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2522156-04E	Amber 100ml unpreserved	A	7	7	3.8	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2522156-05A	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-05B	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-05C	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)

*Values in parentheses indicate holding time in days

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2522156
Report Date: 04/23/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2522156-05D	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2522156-05E	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2522156-06A	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-06B	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-06C	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2522156-06D	Vial HCl preserved	A	NA		3.8	Y	Absent		PA-8260-SIM(14),PA-8260(14)

Container Comments

L2522156-05D	Amber-A.25
L2522156-05E	Amber-A.25

*Values in parentheses indicate holding time in days

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2522156
Project Number:	21010214	**Report Date:**	04/23/25

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2522156
Project Number:	21010214	**Report Date:**	04/23/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2522156
Project Number:	21010214	**Report Date:**	04/23/25

Data Qualifiers

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2522156
Report Date: 04/23/25

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

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

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

Certification IDs:

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

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

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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 4/11/25

L2522156
TRADEPOINT

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Tradepoint Atlantic
Address: 6995 Bethlehem Blvd
Phone:
Fax:
Email: JBarna@armgroup.net, KGuille@armgroup.net

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: B14 1st Half GW
Project Location: B14
Project #: 21010214
Project Manager: Kaye Guille
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: (5-day) Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

pH<6

ANALYSIS: VOC 8260; SVOCs 8270 SIM

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOCs 8270 SIM	Sample Specific Comments	Total # Bottles
22156-01	HI21-MWS	4/10	1030	GW	CN	X	X		5
-02	HI19-MWS	4/10	1125	GW	CN	X	X		5
-03	HI16-MWS	4/10	1305	GW	CN	X	X		5
-04	HI15-MWS	4/10	1350	GW	CN	X	X	pH<6	5
-05	HI14-MWS	4/10	1425	GW	CN	X	X		5
-06	TB-001	—	—	—	—	X			4

	VOC 8260	SVOCs 8270 SIM
Container Type	V	A
Preservative	B	A

Relinquished By:	Date/Time	Received By:	Date/Time
Charlotte Norris ARM [signature]	4/10/25 1540	D. Rubin PACE	4/10/25 1540
D. Rubin PACE	4/10/25 1815	[signature]	4/10 1815
Paul Mazzella	4/10/25	Paul Mazzella	4/10/25 2310
Camper Willis 0515		[signature]	4/11 0515

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L2523111
Client:	Tradepoint Atlantic 1600 Sparrows Point Boulevard Baltimore, MD 21219
ATTN:	Matthew Newman
Phone:	(443) 649-5073
Project Name:	B14 1ST HALF 2025 GW
Project Number:	21010214
Report Date:	04/29/25

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

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2523111
Report Date: 04/29/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2523111-01	B24-002-MWS	WATER	B14	04/15/25 09:50	04/15/25
L2523111-02	TM04-PZM006	WATER	B14	04/15/25 10:40	04/15/25
L2523111-03	HI13-MWS	WATER	B14	04/15/25 11:15	04/15/25
L2523111-04	TB-001	WATER	B14	04/15/25 00:00	04/15/25

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2523111
Project Number:	21010214	**Report Date:**	04/29/25

Case Narrative

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

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

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

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

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

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

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2523111
Project Number:	21010214	**Report Date:**	04/29/25

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 04/29/25

ORGANICS

VOLATILES

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-01
Client ID: B24-002-MWS
Sample Location: B14

Date Collected: 04/15/25 09:50
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/22/25 11:34
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	8.2		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	0.56	J	ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	2.9		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	4.5		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-01
Client ID: B24-002-MWS
Sample Location: B14
Date Collected: 04/15/25 09:50
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	6.9		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	7.9		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	113		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-01
Client ID: B24-002-MWS
Sample Location: B14

Date Collected: 04/15/25 09:50
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/22/25 11:34
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
4-Bromofluorobenzene	93		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-02
Client ID: TM04-PZM006
Sample Location: B14

Date Collected: 04/15/25 10:40
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/22/25 11:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	0.15	J	ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	5.8		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	0.22	J	ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	64		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	0.36	J	ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-02
Client ID: TM04-PZM006
Sample Location: B14
Date Collected: 04/15/25 10:40
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	0.71		ug/l	0.50	0.17	1
p/m-Xylene	0.65	J	ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	0.65	J	ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2523111
Project Number: 21010214
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-02
Client ID: TM04-PZM006
Sample Location: B14
Date Collected: 04/15/25 10:40
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/22/25 11:07
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
4-Bromofluorobenzene	93		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-03
Client ID: HI13-MWS
Sample Location: B14

Date Collected: 04/15/25 11:15
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/22/25 10:41
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	3.7	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.20	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-03
Client ID: HI13-MWS
Sample Location: B14
Date Collected: 04/15/25 11:15
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	111		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2523111
Project Number: 21010214
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-03
Client ID: HI13-MWS
Sample Location: B14
Date Collected: 04/15/25 11:15
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/22/25 10:41
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
4-Bromofluorobenzene	92		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-04
Client ID: TB-001
Sample Location: B14

Date Collected: 04/15/25 00:00
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/22/25 09:21
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	1.5	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-04
Client ID: TB-001
Sample Location: B14

Date Collected: 04/15/25 00:00
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	111		70-130

Project Name: B14 1ST HALF 2025 GW
Lab Number: L2523111
Project Number: 21010214
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-04
Client ID: TB-001
Sample Location: B14
Date Collected: 04/15/25 00:00
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/22/25 09:21
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
4-Bromofluorobenzene	93		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/22/25 06:43
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG2057033-5					
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
4-Bromofluorobenzene	93		70-130

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/22/25 06:43
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2057035-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Cyclohexane	ND		ug/l	10	0.27
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/22/25 06:43
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2057035-5					
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/22/25 06:43
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2057035-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG2057033-3 WG2057033-4								
1,1,2,2-Tetrachloroethane	104		103		70-130	1		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	120		122		70-130
4-Bromofluorobenzene	92		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2057035-3 WG2057035-4								
Dichlorodifluoromethane	97		99		36-147	2		20
Chloromethane	110		110		64-130	0		20
Vinyl chloride	110		110		55-140	0		20
Bromomethane	59		61		39-139	3		20
Chloroethane	120		120		55-138	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,1-Dichloroethene	100		100		61-145	0		20
Carbon disulfide	110		110		51-130	0		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		110		70-130	0		20
Methylene chloride	100		110		70-130	10		20
Acetone	130		130		58-148	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Methyl Acetate	**140**	Q	**140**	Q	70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
1,1-Dichloroethane	120		120		70-130	0		20
cis-1,2-Dichloroethene	98		100		70-130	2		20
Cyclohexane	120		120		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	100		110		63-132	10		20
1,1,1-Trichloroethane	100		110		67-130	10		20
2-Butanone	110		110		63-138	0		20
Benzene	100		100		70-130	0		20
1,2-Dichloroethane	110		120		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2057035-3 WG2057035-4								
Trichloroethene	99		100		70-130	1		20
1,2-Dichloropropane	110		110		70-130	0		20
Bromodichloromethane	100		100		67-130	0		20
cis-1,3-Dichloropropene	94		97		70-130	3		20
Toluene	98		100		70-130	2		20
Tetrachloroethene	96		99		70-130	3		20
4-Methyl-2-pentanone	89		92		59-130	3		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Dibromochloromethane	93		97		63-130	4		20
1,2-Dibromoethane	97		100		70-130	3		20
2-Hexanone	100		100		57-130	0		20
Chlorobenzene	95		99		75-130	4		20
Ethylbenzene	100		100		70-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		100		70-130	5		20
Styrene	95		100		70-130	5		20
Bromoform	88		91		54-136	3		20
Isopropylbenzene	97		100		70-130	3		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
1,3-Dichlorobenzene	98		100		70-130	2		20
1,4-Dichlorobenzene	98		100		70-130	2		20
1,2-Dichlorobenzene	98		100		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2057035-3 WG2057035-4								
1,2-Dibromo-3-chloropropane	81		87		41-144	7		20
1,2,4-Trichlorobenzene	90		92		70-130	2		20
1,2,3-Trichlorobenzene	92		94		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	117		117		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	106		105		70-130

SEMIVOLATILES

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-01
Client ID: B24-002-MWS
Sample Location: B14

Date Collected: 04/15/25 09:50
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/23/25 04:43
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 00:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2523111

Project Number: 21010214 **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-01 Date Collected: 04/15/25 09:50

Client ID: B24-002-MWS Date Received: 04/15/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	108		15-120
2,4,6-Tribromophenol	119		10-120
4-Terphenyl-d14	126		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-01
Client ID: B24-002-MWS
Sample Location: B14

Date Collected: 04/15/25 09:50
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/22/25 13:05
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 00:12

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	75		15-120
4-Terphenyl-d14	94		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-02
Client ID: TM04-PZM006
Sample Location: B14

Date Collected: 04/15/25 10:40
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/23/25 05:06
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 00:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2523111

Project Number: 21010214 **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-02 Date Collected: 04/15/25 10:40

Client ID: TM04-PZM006 Date Received: 04/15/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	119		10-120
4-Terphenyl-d14	115		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-02
Client ID: TM04-PZM006
Sample Location: B14

Date Collected: 04/15/25 10:40
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/22/25 13:21
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 00:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	0.12		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Acenaphthylene	0.07	J	ug/l	0.10	0.02	1
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.05	0.04	1
Anthracene	0.08	J	ug/l	0.10	0.02	1
Fluoranthene	0.05	J	ug/l	0.10	0.03	1
Pyrene	0.06	J	ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	**128**	Q	23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	117		10-120
4-Terphenyl-d14	104		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-03
Client ID: HI13-MWS
Sample Location: B14

Date Collected: 04/15/25 11:15
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/23/25 05:29
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 00:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: B14 1ST HALF 2025 GW **Lab Number:** L2523111

Project Number: 21010214 **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-03 Date Collected: 04/15/25 11:15

Client ID: HI13-MWS Date Received: 04/15/25

Sample Location: B14 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	116		23-120
2-Fluorobiphenyl	111		15-120
2,4,6-Tribromophenol	115		10-120
4-Terphenyl-d14	129		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523111-03
Client ID: HI13-MWS
Sample Location: B14

Date Collected: 04/15/25 11:15
Date Received: 04/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/22/25 13:37
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 00:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	0.21		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.05	0.04	1
Anthracene	0.04	J	ug/l	0.10	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Pyrene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	**134**	Q	23-120
2-Fluorobiphenyl	92		15-120
4-Terphenyl-d14	115		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/22/25 23:46
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 00:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG2056799-1					
Benzaldehyde	ND		ug/l	5.0	1.1
Phenol	ND		ug/l	5.0	0.35
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chlorophenol	ND		ug/l	2.0	0.65
2-Methylphenol	ND		ug/l	5.0	2.3
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Acetophenone	ND		ug/l	5.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
Hexachloroethane	ND		ug/l	2.0	0.20
Nitrobenzene	ND		ug/l	1.4	0.20
Isophorone	ND		ug/l	5.0	0.86
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
Naphthalene	ND		ug/l	2.0	0.54
4-Chloroaniline	ND		ug/l	3.7	0.47
Hexachlorobutadiene	ND		ug/l	2.0	0.36
Caprolactam	ND		ug/l	10	1.2
2-Methylnaphthalene	ND		ug/l	2.0	0.37
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Biphenyl	ND		ug/l	2.0	0.20
2-Chloronaphthalene	ND		ug/l	2.0	0.35
2-Nitroaniline	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
Acenaphthylene	ND		ug/l	2.0	0.32

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/22/25 23:46
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 00:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG2056799-1					
Acenaphthene	ND		ug/l	2.0	0.40
2,4-Dinitrophenol	ND		ug/l	20	5.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2
Diethyl phthalate	ND		ug/l	5.0	0.76
Fluorene	ND		ug/l	2.0	0.44
4-Nitroaniline	ND		ug/l	5.0	1.4
NDPA/DPA	ND		ug/l	2.0	0.92
Hexachlorobenzene	ND		ug/l	2.0	0.45
Pentachlorophenol	ND		ug/l	10	2.5
Phenanthrene	ND		ug/l	2.0	0.42
Anthracene	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.31
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Fluoranthene	ND		ug/l	2.0	0.41
Pyrene	ND		ug/l	2.0	0.41
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Chrysene	ND		ug/l	1.5	0.22
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62
Benzo(a)pyrene	ND		ug/l	2.0	0.37
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29
Benzo(ghi)perylene	ND		ug/l	2.0	0.37

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/22/25 23:46
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 00:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG2056799-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	103		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	127		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/22/25 12:48
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 00:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG2056800-1					
Naphthalene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Acenaphthene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.05	0.04
Anthracene	ND		ug/l	0.10	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Pyrene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.05	0.03
Chrysene	ND		ug/l	0.10	0.03
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	**135**	Q	23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	113		10-120
4-Terphenyl-d14	123		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG2056799-2 WG2056799-3								
Benzaldehyde	113		113		40-140	0		30
Phenol	55		56		12-110	2		30
Bis(2-chloroethyl)ether	111		108		40-140	3		30
2-Chlorophenol	104		102		27-123	2		30
2-Methylphenol	96		100		30-130	4		30
Bis(2-chloroisopropyl)ether	109		114		40-140	4		30
Acetophenone	112		119		39-129	6		30
n-Nitrosodi-n-propylamine	108		104		29-132	4		30
3-Methylphenol/4-Methylphenol	100		97		30-130	3		30
Hexachloroethane	81		90		40-140	11		30
Nitrobenzene	104		107		40-140	3		30
Isophorone	105		104		40-140	1		30
2,4-Dimethylphenol	86		90		30-130	5		30
Bis(2-chloroethoxy)methane	107		110		40-140	3		30
2,4-Dichlorophenol	122		118		30-130	3		30
Naphthalene	103		101		40-140	2		30
4-Chloroaniline	48		50		40-140	4		30
Hexachlorobutadiene	82		88		40-140	7		30
Caprolactam	44		40		10-130	10		30
2-Methylnaphthalene	106		104		40-140	2		30
Hexachlorocyclopentadiene	77		80		40-140	4		30
1,2,4,5-Tetrachlorobenzene	107		106		2-134	1		30
2,4,6-Trichlorophenol	125		114		30-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG2056799-2 WG2056799-3								
2,4,5-Trichlorophenol	**136**	Q	128		30-130	6		30
Biphenyl	117		113		40-140	3		30
2-Chloronaphthalene	111		107		40-140	4		30
2-Nitroaniline	128		120		52-143	6		30
2,6-Dinitrotoluene	131		116		40-140	12		30
Acenaphthylene	115		111		45-123	4		30
Acenaphthene	**112**	Q	110		37-111	2		30
2,4-Dinitrophenol	86		83		20-130	4		30
2,4-Dinitrotoluene	123		113		48-143	8		30
2,3,4,6-Tetrachlorophenol	126		121		54-145	4		30
Diethyl phthalate	116		111		40-140	4		30
Fluorene	118		114		40-140	3		30
4-Nitroaniline	113		107		51-143	5		30
NDPA/DPA	123		117		40-140	5		30
Hexachlorobenzene	120		116		40-140	3		30
Pentachlorophenol	**126**	Q	**114**	Q	9-103	10		30
Phenanthrene	122		117		40-140	4		30
Anthracene	129		123		40-140	5		30
Carbazole	128		121		55-144	6		30
Di-n-butylphthalate	130		119		40-140	9		30
Fluoranthene	132		124		40-140	6		30
Pyrene	**132**	Q	125		26-127	5		30
3,3'-Dichlorobenzidine	108		98		40-140	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG2056799-2 WG2056799-3								
Benzo(a)anthracene	127		119		40-140	7		30
Chrysene	128		123		40-140	4		30
Bis(2-ethylhexyl)phthalate	137		126		40-140	8		30
Di-n-octylphthalate	**144**	Q	130		40-140	10		30
Benzo(b)fluoranthene	134		126		40-140	6		30
Benzo(k)fluoranthene	135		125		40-140	8		30
Benzo(a)pyrene	135		125		40-140	8		30
Indeno(1,2,3-cd)pyrene	127		118		40-140	7		30
Dibenzo(a,h)anthracene	128		125		40-140	2		30
Benzo(ghi)perylene	123		121		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		73		21-120
Phenol-d6	56		56		10-120
Nitrobenzene-d5	96		100		23-120
2-Fluorobiphenyl	106		99		15-120
2,4,6-Tribromophenol	112		108		10-120
4-Terphenyl-d14	120		113		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG2056800-2 WG2056800-3								
Naphthalene	44		67		40-140	**41**	Q	40
2-Methylnaphthalene	45		69		40-140	**42**	Q	40
Acenaphthylene	56		82		40-140	38		40
Acenaphthene	46		68		37-111	39		40
Fluorene	52		76		40-140	38		40
Phenanthrene	51		74		40-140	37		40
Anthracene	55		79		40-140	36		40
Fluoranthene	59		83		40-140	34		40
Pyrene	58		83		26-127	35		40
Benzo(a)anthracene	47		70		40-140	39		40
Chrysene	51		76		40-140	39		40
Benzo(b)fluoranthene	50		74		40-140	39		40
Benzo(k)fluoranthene	49		75		40-140	**42**	Q	40
Benzo(a)pyrene	52		79		40-140	**41**	Q	40
Indeno(1,2,3-cd)pyrene	56		84		40-140	40		40
Dibenzo(a,h)anthracene	56		84		40-140	40		40
Benzo(ghi)perylene	53		79		40-140	39		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG2056800-2 WG2056800-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	36		53		21-120
Phenol-d6	30		44		10-120
Nitrobenzene-d5	68		101		23-120
2-Fluorobiphenyl	47		69		15-120
2,4,6-Tribromophenol	58		84		10-120
4-Terphenyl-d14	53		77		41-149

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214

Lab Number: L2523111
Report Date: 04/29/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2523111-01A	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523111-01B	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523111-01C	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523111-01D	Amber 100ml unpreserved	A	12	12	2.1	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2523111-01E	Amber 100ml unpreserved	A	12	12	2.1	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2523111-02A	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523111-02B	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523111-02C	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523111-02D	Amber 100ml unpreserved	A	9	9	2.1	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2523111-02E	Amber 100ml unpreserved	A	9	9	2.1	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2523111-03A	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523111-03B	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523111-03C	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523111-03D	Amber 100ml unpreserved	A	11	11	2.1	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2523111-03E	Amber 100ml unpreserved	A	11	11	2.1	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2523111-04A	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523111-04B	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523111-04C	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523111-04D	Vial HCl preserved	A	NA		2.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2523111
Project Number:	21010214	**Report Date:**	04/29/25

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2523111
Project Number:	21010214	**Report Date:**	04/29/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	B14 1ST HALF 2025 GW	**Lab Number:**	L2523111
Project Number:	21010214	**Report Date:**	04/29/25

Data Qualifiers

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name: B14 1ST HALF 2025 GW
Project Number: 21010214
Lab Number: L2523111
Report Date: 04/29/25

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

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

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

Certification IDs:

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

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

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

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

CHAIN OF CUSTODY

PAGE _____ OF _____

Date Rec'd in Lab: 4/16/25

L2523111
TRADEPOINT

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Tradepoint Atlantic
Address: 6995 Bethlehem Blvd
Sparrows Point, MD
Phone:
Fax:
Email: JBarna@armgroup.net
KGuille@armgroup.net

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: B14 1st Half 2025-GW
Project Location: B14
Project #: 210210214
Project Manager: Kaye Guille
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: (5-day) Time:

Report Information - Data Delivera

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

pH >10

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS VOC 8260	SVOCS 8270 SIM	Sample Specific Comments	TOTAL # BOTTLES
23111-01	B24-002-MWS	4/15	0950	GW	CN	X	X	pH >10	5
-02	TM04-P2M006	4/15	1040	GW	CN	X	X	pH >10	5
-03	HI13-MWS	4/15	1115	GW	CN	X	X	pH >10	5
-04	TB-001	—	—	—	—	X			4

SAMPLE HANDLING
Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	V	A
Preservative	B	A

Relinquished By:	Date/Time	Received By:	Date/Time
Charlotte Norris ABM Geo	4/15/25 1530	Mike Pace	4-15-25 1530
	4.15 1835		4.15 1835
Anthony Green	4/15	Anthony Green	APR 15 2025

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO. 01-01 (rev. 14-OCT-07)

Anthony Green Mike Pace 4/16 0340

ANALYTICAL REPORT

Lab Number:	L2523470
Client:	Tradepoint Atlantic 1600 Sparrows Point Boulevard Baltimore, MD 21219
ATTN:	Matthew Newman
Phone:	(443) 649-5073
Project Name:	TMC SURFACE WATER SAMPLING
Project Number:	Not Specified
Report Date:	04/29/25

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

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

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified

Lab Number: L2523470
Report Date: 04/29/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2523470-01	TMC-OUTLET	WATER	B16	04/16/25 09:45	04/16/25
L2523470-02	TMC-TM04	WATER	B16	04/16/25 10:15	04/16/25
L2523470-03	TMC-BEND	WATER	B16	04/16/25 11:45	04/16/25
L2523470-04	TMC-RAIL-BRIDGE	WATER	B16	04/16/25 12:00	04/16/25
L2523470-05	TB-001	WATER	B16	04/16/25 00:00	04/16/25

Project Name:	TMC SURFACE WATER SAMPLING	**Lab Number:**	L2523470
Project Number:	Not Specified	**Report Date:**	04/29/25

Case Narrative

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

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

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

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

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

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

Project Name:	TMC SURFACE WATER SAMPLING	**Lab Number:**	L2523470
Project Number:	Not Specified	**Report Date:**	04/29/25

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 04/29/25

ORGANICS

VOLATILES

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-01
Client ID: TMC-OUTLET
Sample Location: B16

Date Collected: 04/16/25 09:45
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/24/25 11:20
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	3.7	J	ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	5.2		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	0.42	J	ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.42	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-01 Date Collected: 04/16/25 09:45

Client ID: TMC-OUTLET Date Received: 04/16/25

Sample Location: B16 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-01
Client ID: TMC-OUTLET
Sample Location: B16

Date Collected: 04/16/25 09:45
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/24/25 11:20
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
4-Bromofluorobenzene	92		70-130

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-02
Client ID: TMC-TM04
Sample Location: B16

Date Collected: 04/16/25 10:15
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/24/25 10:57
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	4.2	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.30	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	0.20	J	ug/l	0.75	0.20	1

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-02 Date Collected: 04/16/25 10:15
Client ID: TMC-TM04 Date Received: 04/16/25
Sample Location: B16 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	107		70-130

Project Name: TMC SURFACE WATER SAMPLING
Lab Number: L2523470
Project Number: Not Specified
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-02
Client ID: TMC-TM04
Sample Location: B16
Date Collected: 04/16/25 10:15
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/24/25 10:57
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
4-Bromofluorobenzene	91		70-130

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-03
Client ID: TMC-BEND
Sample Location: B16

Date Collected: 04/16/25 11:45
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/24/25 10:33
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	4.1	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.17	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-03 Date Collected: 04/16/25 11:45

Client ID: TMC-BEND Date Received: 04/16/25

Sample Location: B16 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	108		70-130

Project Name: TMC SURFACE WATER SAMPLING
Lab Number: L2523470
Project Number: Not Specified
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-03
Client ID: TMC-BEND
Sample Location: B16
Date Collected: 04/16/25 11:45
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/24/25 10:33
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
4-Bromofluorobenzene	92		70-130

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-04
Client ID: TMC-RAIL-BRIDGE
Sample Location: B16

Date Collected: 04/16/25 12:00
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/24/25 10:09
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	3.1	J	ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	0.39	J	ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	0.29	J	ug/l	0.75	0.20	1

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-04 Date Collected: 04/16/25 12:00

Client ID: TMC-RAIL-BRIDGE Date Received: 04/16/25

Sample Location: B16 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	107		70-130

Project Name: TMC SURFACE WATER SAMPLING
Lab Number: L2523470
Project Number: Not Specified
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-04
Client ID: TMC-RAIL-BRIDGE
Sample Location: B16
Date Collected: 04/16/25 12:00
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/24/25 10:09
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
4-Bromofluorobenzene	91		70-130

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-05
Client ID: TB-001
Sample Location: B16

Date Collected: 04/16/25 00:00
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/24/25 09:46
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Chloromethane	ND		ug/l	2.5	0.20	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Bromomethane	ND		ug/l	1.0	0.26	1
Chloroethane	ND		ug/l	1.0	0.13	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15	1
Methylene chloride	ND		ug/l	2.5	0.68	1
Acetone	ND		ug/l	5.0	1.5	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Cyclohexane	ND		ug/l	10	0.27	1
Chloroform	ND		ug/l	0.75	0.22	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
2-Butanone	ND		ug/l	5.0	1.9	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Toluene	ND		ug/l	0.75	0.20	1

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-05 Date Collected: 04/16/25 00:00

Client ID: TB-001 Date Received: 04/16/25

Sample Location: B16 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	ND		ug/l	0.50	0.18	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Styrene	ND		ug/l	1.0	0.36	1
Bromoform	ND		ug/l	2.0	0.25	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	109		70-130

Project Name: TMC SURFACE WATER SAMPLING
Lab Number: L2523470
Project Number: Not Specified
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-05
Client ID: TB-001
Sample Location: B16
Date Collected: 04/16/25 00:00
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/24/25 09:46
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
4-Bromofluorobenzene	91		70-130

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/24/25 05:49
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2059503-5					
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Chloromethane	ND		ug/l	2.5	0.20
Vinyl chloride	ND		ug/l	1.0	0.07
Bromomethane	ND		ug/l	1.0	0.26
Chloroethane	ND		ug/l	1.0	0.13
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,1-Dichloroethene	ND		ug/l	0.50	0.17
Carbon disulfide	ND		ug/l	5.0	0.30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.15
Methylene chloride	ND		ug/l	2.5	0.68
Acetone	ND		ug/l	5.0	1.5
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Methyl Acetate	ND		ug/l	2.0	0.23
Methyl tert butyl ether	ND		ug/l	1.0	0.17
1,1-Dichloroethane	ND		ug/l	0.75	0.21
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Cyclohexane	ND		ug/l	10	0.27
Chloroform	ND		ug/l	0.75	0.22
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
2-Butanone	ND		ug/l	5.0	1.9
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Bromodichloromethane	ND		ug/l	0.50	0.19
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Toluene	ND		ug/l	0.75	0.20
Tetrachloroethene	ND		ug/l	0.50	0.18

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/24/25 05:49
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2059503-5					
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,2-Dibromoethane	ND		ug/l	2.0	0.19
2-Hexanone	ND		ug/l	5.0	0.52
Chlorobenzene	ND		ug/l	0.50	0.18
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Styrene	ND		ug/l	1.0	0.36
Bromoform	ND		ug/l	2.0	0.25
Isopropylbenzene	ND		ug/l	0.50	0.19
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.35
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified
Lab Number: L2523470
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/24/25 05:49
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2059503-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D-SIM(M)
Analytical Date: 04/24/25 05:49
Analyst: MCM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG2059509-5					
1,1,2,2-Tetrachloroethane	ND		ug/l	0.050	0.006

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
4-Bromofluorobenzene	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified

Lab Number: L2523470
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2059503-3 WG2059503-4								
Dichlorodifluoromethane	110		120		36-147	9		20
Chloromethane	110		110		64-130	0		20
Vinyl chloride	100		100		55-140	0		20
Bromomethane	100		100		39-139	0		20
Chloroethane	110		110		55-138	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,1-Dichloroethene	97		100		61-145	3		20
Carbon disulfide	100		100		51-130	0		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		110		70-130	10		20
Methylene chloride	100		99		70-130	1		20
Acetone	120		120		58-148	0		20
trans-1,2-Dichloroethene	98		100		70-130	2		20
Methyl Acetate	110		110		70-130	0		20
Methyl tert butyl ether	100		110		63-130	10		20
1,1-Dichloroethane	100		100		70-130	0		20
cis-1,2-Dichloroethene	94		97		70-130	3		20
Cyclohexane	100		100		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	110		100		63-132	10		20
1,1,1-Trichloroethane	100		110		67-130	10		20
2-Butanone	110		100		63-138	10		20
Benzene	100		100		70-130	0		20
1,2-Dichloroethane	110		110		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified

Lab Number: L2523470
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2059503-3 WG2059503-4								
Trichloroethene	98		99		70-130	1		20
1,2-Dichloropropane	100		100		70-130	0		20
Bromodichloromethane	100		100		67-130	0		20
cis-1,3-Dichloropropene	89		90		70-130	1		20
Toluene	110		100		70-130	10		20
Tetrachloroethene	120		110		70-130	9		20
4-Methyl-2-pentanone	100		94		59-130	6		20
trans-1,3-Dichloropropene	100		90		70-130	11		20
1,1,2-Trichloroethane	120		100		70-130	18		20
Dibromochloromethane	110		100		63-130	10		20
1,2-Dibromoethane	110		100		70-130	10		20
2-Hexanone	110		110		57-130	0		20
Chlorobenzene	110		98		75-130	12		20
Ethylbenzene	110		100		70-130	10		20
p/m-Xylene	110		100		70-130	10		20
o-Xylene	105		95		70-130	10		20
Styrene	110		100		70-130	10		20
Bromoform	100		100		54-136	0		20
Isopropylbenzene	94		88		70-130	7		20
1,1,2,2-Tetrachloroethane	98		97		67-130	1		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified

Lab Number: L2523470
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2059503-3 WG2059503-4								
1,2-Dibromo-3-chloropropane	98		100		41-144	2		20
1,2,4-Trichlorobenzene	94		96		70-130	2		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	110		98		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified

Lab Number: L2523470
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG2059509-3 WG2059509-4								
1,1,2,2-Tetrachloroethane	97		105		70-130	8		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		109		70-130
4-Bromofluorobenzene	91		90		70-130

SEMIVOLATILES

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-01
Client ID: TMC-OUTLET
Sample Location: B16

Date Collected: 04/16/25 09:45
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/23/25 06:15
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 02:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-01
Client ID: TMC-OUTLET
Sample Location: B16

Date Collected: 04/16/25 09:45
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**16**	Q	21-120
Phenol-d6	14		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	23		10-120
4-Terphenyl-d14	65		41-149

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-01
Client ID: TMC-OUTLET
Sample Location: B16

Date Collected: 04/16/25 09:45
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/22/25 11:40
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 02:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Acenaphthene	ND		ug/l	0.10	0.02	1
Fluorene	0.06	J	ug/l	0.10	0.03	1
Phenanthrene	0.08		ug/l	0.05	0.04	1
Anthracene	ND		ug/l	0.10	0.02	1
Fluoranthene	0.16		ug/l	0.10	0.03	1
Pyrene	0.15		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.06		ug/l	0.05	0.03	1
Chrysene	0.04	J	ug/l	0.10	0.03	1
Benzo(b)fluoranthene	0.05	J	ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**12**	Q	21-120
Phenol-d6	12		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	44		15-120
2,4,6-Tribromophenol	23		10-120
4-Terphenyl-d14	45		41-149

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified
Lab Number: L2523470
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-02
Client ID: TMC-TM04
Sample Location: B16

Date Collected: 04/16/25 10:15
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/23/25 06:38
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 02:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-02 Date Collected: 04/16/25 10:15

Client ID: TMC-TM04 Date Received: 04/16/25

Sample Location: B16 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**16**	Q	21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	27		10-120
4-Terphenyl-d14	96		41-149

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified
Lab Number: L2523470
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-02
Client ID: TMC-TM04
Sample Location: B16

Date Collected: 04/16/25 10:15
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/22/25 11:57
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 02:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Acenaphthene	0.04	J	ug/l	0.10	0.02	1
Fluorene	0.04	J	ug/l	0.10	0.03	1
Phenanthrene	0.05	J	ug/l	0.05	0.04	1
Anthracene	ND		ug/l	0.10	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.03	1
Pyrene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.03	J	ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**14**	Q	21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	30		10-120
4-Terphenyl-d14	68		41-149

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-03
Client ID: TMC-BEND
Sample Location: B16

Date Collected: 04/16/25 11:45
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/23/25 07:00
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 02:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-03 Date Collected: 04/16/25 11:45

Client ID: TMC-BEND Date Received: 04/16/25

Sample Location: B16 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**15**	Q	21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	24		10-120
4-Terphenyl-d14	106		41-149

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified
Lab Number: L2523470
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-03
Client ID: TMC-BEND
Sample Location: B16

Date Collected: 04/16/25 11:45
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/22/25 12:14
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 02:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Acenaphthene	0.03	J	ug/l	0.10	0.02	1
Fluorene	0.04	J	ug/l	0.10	0.03	1
Phenanthrene	0.04	J	ug/l	0.05	0.04	1
Anthracene	ND		ug/l	0.10	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.03	1
Pyrene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.05	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**13**	Q	21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	25		10-120
4-Terphenyl-d14	68		41-149

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified
Lab Number: L2523470
Report Date: 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-04
Client ID: TMC-RAIL-BRIDGE
Sample Location: B16

Date Collected: 04/16/25 12:00
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/23/25 07:24
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 02:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	1.1	1
Phenol	ND		ug/l	5.0	0.35	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Acetophenone	ND		ug/l	5.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Nitrobenzene	ND		ug/l	1.4	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	2.0	0.54	1
4-Chloroaniline	ND		ug/l	3.7	0.47	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Caprolactam	ND		ug/l	10	1.2	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Biphenyl	ND		ug/l	2.0	0.20	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-04
Client ID: TMC-RAIL-BRIDGE
Sample Location: B16

Date Collected: 04/16/25 12:00
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/l	2.0	0.32	1
Acenaphthene	ND		ug/l	2.0	0.40	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Fluorene	ND		ug/l	2.0	0.44	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Anthracene	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.31	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Fluoranthene	ND		ug/l	2.0	0.41	1
Pyrene	ND		ug/l	2.0	0.41	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Chrysene	ND		ug/l	1.5	0.22	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	22		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	39		10-120
4-Terphenyl-d14	103		41-149

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

SAMPLE RESULTS

Lab ID: L2523470-04
Client ID: TMC-RAIL-BRIDGE
Sample Location: B16

Date Collected: 04/16/25 12:00
Date Received: 04/16/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/22/25 12:31
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 02:15

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	43		10-120
4-Terphenyl-d14	69		41-149

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified
Lab Number: L2523470
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/23/25 00:54
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 02:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2056815-1					
Benzaldehyde	ND		ug/l	5.0	1.1
Phenol	ND		ug/l	5.0	0.35
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chlorophenol	ND		ug/l	2.0	0.65
2-Methylphenol	ND		ug/l	5.0	2.3
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Acetophenone	ND		ug/l	5.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
Hexachloroethane	ND		ug/l	2.0	0.20
Nitrobenzene	ND		ug/l	1.4	0.20
Isophorone	ND		ug/l	5.0	0.86
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
Naphthalene	ND		ug/l	2.0	0.54
4-Chloroaniline	ND		ug/l	3.7	0.47
Hexachlorobutadiene	ND		ug/l	2.0	0.36
Caprolactam	ND		ug/l	10	1.2
2-Methylnaphthalene	ND		ug/l	2.0	0.37
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
1,2,4,5-Tetrachlorobenzene	ND		ug/l	1.7	0.24
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Biphenyl	ND		ug/l	2.0	0.20
2-Chloronaphthalene	ND		ug/l	2.0	0.35
2-Nitroaniline	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
Acenaphthylene	ND		ug/l	2.0	0.32

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified
Lab Number: L2523470
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/23/25 00:54
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 02:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2056815-1					
Acenaphthene	ND		ug/l	2.0	0.40
2,4-Dinitrophenol	ND		ug/l	20	5.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2
Diethyl phthalate	ND		ug/l	5.0	0.76
Fluorene	ND		ug/l	2.0	0.44
4-Nitroaniline	ND		ug/l	5.0	1.4
NDPA/DPA	ND		ug/l	2.0	0.92
Hexachlorobenzene	ND		ug/l	2.0	0.45
Pentachlorophenol	ND		ug/l	10	2.5
Phenanthrene	ND		ug/l	2.0	0.42
Anthracene	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.31
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Fluoranthene	ND		ug/l	2.0	0.41
Pyrene	ND		ug/l	2.0	0.41
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Chrysene	ND		ug/l	1.5	0.22
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62
Benzo(a)pyrene	ND		ug/l	2.0	0.37
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29
Benzo(ghi)perylene	ND		ug/l	2.0	0.37

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified
Lab Number: L2523470
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/23/25 00:54
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 02:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG2056815-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	90		41-149

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified
Lab Number: L2523470
Report Date: 04/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/22/25 10:49
Analyst: SLR

Extraction Method: EPA 3510C
Extraction Date: 04/22/25 02:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG2056816-1					
Naphthalene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Acenaphthene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.05	0.04
Anthracene	ND		ug/l	0.10	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Pyrene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.05	0.03
Chrysene	ND		ug/l	0.10	0.03
Benzo(b)fluoranthene	ND		ug/l	0.05	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.05	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	43		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	43		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified

Lab Number: L2523470
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2056815-2 WG2056815-3								
Benzaldehyde	85		96		40-140	12		30
Phenol	38		45		12-110	17		30
Bis(2-chloroethyl)ether	80		94		40-140	16		30
2-Chlorophenol	73		90		27-123	21		30
2-Methylphenol	73		83		30-130	13		30
Bis(2-chloroisopropyl)ether	80		91		40-140	13		30
Acetophenone	82		97		39-129	17		30
n-Nitrosodi-n-propylamine	79		87		29-132	10		30
3-Methylphenol/4-Methylphenol	78		86		30-130	10		30
Hexachloroethane	73		82		40-140	12		30
Nitrobenzene	79		90		40-140	13		30
Isophorone	77		86		40-140	11		30
2,4-Dimethylphenol	62		71		30-130	14		30
Bis(2-chloroethoxy)methane	78		91		40-140	15		30
2,4-Dichlorophenol	84		98		30-130	15		30
Naphthalene	80		87		40-140	8		30
4-Chloroaniline	74		77		40-140	4		30
Hexachlorobutadiene	79		86		40-140	8		30
Caprolactam	41		44		10-130	7		30
2-Methylnaphthalene	84		92		40-140	9		30
Hexachlorocyclopentadiene	74		81		40-140	9		30
1,2,4,5-Tetrachlorobenzene	86		94		2-134	9		30
2,4,6-Trichlorophenol	78		94		30-130	19		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified

Lab Number: L2523470
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2056815-2 WG2056815-3								
2,4,5-Trichlorophenol	93		99		30-130	6		30
Biphenyl	90		98		40-140	9		30
2-Chloronaphthalene	84		94		40-140	11		30
2-Nitroaniline	90		102		52-143	13		30
2,6-Dinitrotoluene	91		96		40-140	5		30
Acenaphthylene	84		93		45-123	10		30
Acenaphthene	82		90		37-111	9		30
2,4-Dinitrophenol	44		62		20-130	**34**	Q	30
2,4-Dinitrotoluene	86		92		48-143	7		30
2,3,4,6-Tetrachlorophenol	84		94		54-145	11		30
Diethyl phthalate	84		87		40-140	4		30
Fluorene	86		92		40-140	7		30
4-Nitroaniline	85		91		51-143	7		30
NDPA/DPA	89		93		40-140	4		30
Hexachlorobenzene	87		92		40-140	6		30
Pentachlorophenol	77		90		9-103	16		30
Phenanthrene	87		91		40-140	4		30
Anthracene	90		95		40-140	5		30
Carbazole	90		96		55-144	6		30
Di-n-butylphthalate	92		96		40-140	4		30
Fluoranthene	91		96		40-140	5		30
Pyrene	92		97		26-127	5		30
3,3'-Dichlorobenzidine	85		93		40-140	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified

Lab Number: L2523470
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG2056815-2 WG2056815-3								
Benzo(a)anthracene	90		93		40-140	3		30
Chrysene	90		94		40-140	4		30
Bis(2-ethylhexyl)phthalate	96		98		40-140	2		30
Di-n-octylphthalate	97		101		40-140	4		30
Benzo(b)fluoranthene	94		97		40-140	3		30
Benzo(k)fluoranthene	93		98		40-140	5		30
Benzo(a)pyrene	94		99		40-140	5		30
Indeno(1,2,3-cd)pyrene	92		94		40-140	2		30
Dibenzo(a,h)anthracene	89		94		40-140	5		30
Benzo(ghi)perylene	87		91		40-140	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		66		21-120
Phenol-d6	41		49		10-120
Nitrobenzene-d5	81		91		23-120
2-Fluorobiphenyl	85		94		15-120
2,4,6-Tribromophenol	86		97		10-120
4-Terphenyl-d14	91		98		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified

Lab Number: L2523470
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG2056816-2 WG2056816-3								
Naphthalene	53		58		40-140	9		40
2-Methylnaphthalene	55		60		40-140	9		40
Acenaphthylene	64		70		40-140	9		40
Acenaphthene	53		58		37-111	9		40
Fluorene	58		62		40-140	7		40
Phenanthrene	53		55		40-140	4		40
Anthracene	56		59		40-140	5		40
Fluoranthene	56		59		40-140	5		40
Pyrene	54		57		26-127	5		40
Benzo(a)anthracene	53		56		40-140	6		40
Chrysene	54		56		40-140	4		40
Benzo(b)fluoranthene	56		58		40-140	4		40
Benzo(k)fluoranthene	57		61		40-140	7		40
Benzo(a)pyrene	60		64		40-140	6		40
Indeno(1,2,3-cd)pyrene	66		70		40-140	6		40
Dibenzo(a,h)anthracene	64		68		40-140	6		40
Benzo(ghi)perylene	62		65		40-140	5		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified

Lab Number: L2523470
Report Date: 04/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG2056816-2 WG2056816-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	42		48		21-120
Phenol-d6	33		38		10-120
Nitrobenzene-d5	75		81		23-120
2-Fluorobiphenyl	58		64		15-120
2,4,6-Tribromophenol	69		78		10-120
4-Terphenyl-d14	50		53		41-149

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified

Lab Number: L2523470
Report Date: 04/29/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2523470-01A	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-01B	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-01C	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-01D	Amber 100ml unpreserved	A	8	8	3.1	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2523470-01E	Amber 100ml unpreserved	A	8	8	3.1	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2523470-02A	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-02B	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-02C	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-02D	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2523470-02E	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2523470-03A	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-03B	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-03C	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-03D	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2523470-03E	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		PA-8270-RVT(7),PA-8270SIM-RVT(7)
L2523470-04A	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-04B	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-04C	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-04D	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2523470-04E	Amber 100ml unpreserved	A	7	7	3.1	Y	Absent		PA-8270SIM-RVT(7),PA-8270-RVT(7)
L2523470-05A	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-05B	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)
L2523470-05C	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)

*Values in parentheses indicate holding time in days

Project Name: TMC SURFACE WATER SAMPLING
Project Number: Not Specified

Lab Number: L2523470
Report Date: 04/29/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2523470-05D	Vial HCl preserved	A	NA		3.1	Y	Absent		PA-8260-SIM(14),PA-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	TMC SURFACE WATER SAMPLING	**Lab Number:**	L2523470
Project Number:	Not Specified	**Report Date:**	04/29/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	TMC SURFACE WATER SAMPLING	**Lab Number:**	L2523470
Project Number:	Not Specified	**Report Date:**	04/29/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	TMC SURFACE WATER SAMPLING	**Lab Number:**	L2523470
Project Number:	Not Specified	**Report Date:**	04/29/25

Data Qualifiers

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name: TMC SURFACE WATER SAMPLING **Lab Number:** L2523470

Project Number: Not Specified **Report Date:** 04/29/25

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

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

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

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

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

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

Certification IDs:

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

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

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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Pace ANALYTICAL SERVICES

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/17/25

Pace Job #: L 2523470

Client Information

Client: Tradepoint Atlantic
Address: 6995 Bethlehem Blvd
Sparrows Point MD
Phone:
Fax:
Email: JBarna@amcgroup.net
kguille@ardmgroup.net

☐ These samples have been previously analyzed by Pace

Project Information

Project Name: TMC Surface water sampling
Project Location: B16
Project #:
Project Manager:
Pace Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

Pace Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOCs 8260	SVOCs 8270 SIM	SAMPLE HANDLING: Filtration ☐ Done ☐ Not needed ☐ Lab to do; Preservation ☐ Lab to do (Please specify below)	Sample Specific Comments	TOTAL # BOTTLES
23470-01	TMC-Outlet	4/16/25	0945	SW	SKL	X	X			5
-02	TMC-TM04	4/16/25	1015	SW	SKL	X	X			5
-03	TMC-Bend	4/16/25	1145	SW	SKL	X	X			5
-04	TMC-Rail-Bridge	4/16/25	1200	SW	SKL	X	X			5
-05	TB-001	—	—	—	—	X				4

Container Type	V	A
Preservative	B	A

Relinquished By:	Date/Time	Received By:	Date/Time
SarahLowe Sarah Lowe ARM	4/16/25 1600	Pace	4/16/25 1530
Pace	4/16/25 18:00	Anthony Green	4/16/25 1930
Anthony Green	4/16/23	Pace 4/17/25 0345	Pace 4/17/25 0130

APR 16 2025 2254

4/17/25 0130

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Pace's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 25-FEB-25)

APPENDIX B

Mann-Kendall Trend Analysis

Parameter: Naphthalene

Location: TM04-PZM006

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

95% Confidence Level

Xj	Xk	Xj - Xk	Positives	Negatives
51	200	-149	0	1
405	200	205	1	1
358	200	158	2	1
432 L1	200	232	3	1
140	200	-60	3	2
69	200	-131	3	3
240	200	40	4	3
54	200	-146	4	4
230	200	30	5	4
160	200	-40	5	5
180	200	-20	5	6
140	200	-60	5	7
210	200	10	6	7
160	200	-40	6	8
210	200	10	7	8
68	200	-132	7	9
ND<0.05 U	200	-199.95	7	10
170	200	-30	7	11
0.12	200	-199.88	7	12
13	200	-187	7	13
130	200	-70	7	14
0.12	200	-199.88	7	15
405	51	354	8	15
358	51	307	9	15
432 L1	51	381	10	15
140	51	89	11	15
69	51	18	12	15
240	51	189	13	15
54	51	3	14	15
230	51	179	15	15
160	51	109	16	15
180	51	129	17	15
140	51	89	18	15
210	51	159	19	15
160	51	109	20	15
210	51	159	21	15
68	51	17	22	15
ND<0.05 U	51	-50.95	22	16
170	51	119	23	16
0.12	51	-50.88	23	17
13	51	-38	23	18
130	51	79	24	18
0.12	51	-50.88	24	19
358	405	-47	24	20
432 L1	405	27	25	20

140	405	-265	25	21
69	405	-336	25	22
240	405	-165	25	23
54	405	-351	25	24
230	405	-175	25	25
160	405	-245	25	26
180	405	-225	25	27
140	405	-265	25	28
210	405	-195	25	29
160	405	-245	25	30
210	405	-195	25	31
68	405	-337	25	32
ND<0.05 U	405	-404.95	25	33
170	405	-235	25	34
0.12	405	-404.88	25	35
13	405	-392	25	36
130	405	-275	25	37
0.12	405	-404.88	25	38
432 L1	358	74	26	38
140	358	-218	26	39
69	358	-289	26	40
240	358	-118	26	41
54	358	-304	26	42
230	358	-128	26	43
160	358	-198	26	44
180	358	-178	26	45
140	358	-218	26	46
210	358	-148	26	47
160	358	-198	26	48
210	358	-148	26	49
68	358	-290	26	50
ND<0.05 U	358	-357.95	26	51
170	358	-188	26	52
0.12	358	-357.88	26	53
13	358	-345	26	54
130	358	-228	26	55
0.12	358	-357.88	26	56
140	432 L1	-292	26	57
69	432 L1	-363	26	58
240	432 L1	-192	26	59
54	432 L1	-378	26	60
230	432 L1	-202	26	61
160	432 L1	-272	26	62
180	432 L1	-252	26	63
140	432 L1	-292	26	64
210	432 L1	-222	26	65
160	432 L1	-272	26	66
210	432 L1	-222	26	67
68	432 L1	-364	26	68
ND<0.05 U	432 L1	-431.95	26	69
170	432 L1	-262	26	70
0.12	432 L1	-431.88	26	71
13	432 L1	-419	26	72
130	432 L1	-302	26	73
0.12	432 L1	-431.88	26	74

69	140	-71	26	75
240	140	100	27	75
54	140	-86	27	76
230	140	90	28	76
160	140	20	29	76
180	140	40	30	76
140	140	0	30	76
210	140	70	31	76
160	140	20	32	76
210	140	70	33	76
68	140	-72	33	77
ND<0.05 U	140	-139.95	33	78
170	140	30	34	78
0.12	140	-139.88	34	79
13	140	-127	34	80
130	140	-10	34	81
0.12	140	-139.88	34	82
240	69	171	35	82
54	69	-15	35	83
230	69	161	36	83
160	69	91	37	83
180	69	111	38	83
140	69	71	39	83
210	69	141	40	83
160	69	91	41	83
210	69	141	42	83
68	69	-1	42	84
ND<0.05 U	69	-68.95	42	85
170	69	101	43	85
0.12	69	-68.88	43	86
13	69	-56	43	87
130	69	61	44	87
0.12	69	-68.88	44	88
54	240	-186	44	89
230	240	-10	44	90
160	240	-80	44	91
180	240	-60	44	92
140	240	-100	44	93
210	240	-30	44	94
160	240	-80	44	95
210	240	-30	44	96
68	240	-172	44	97
ND<0.05 U	240	-239.95	44	98
170	240	-70	44	99
0.12	240	-239.88	44	100
13	240	-227	44	101
130	240	-110	44	102
0.12	240	-239.88	44	103
230	54	176	45	103
160	54	106	46	103
180	54	126	47	103
140	54	86	48	103
210	54	156	49	103

160	54	106	50	103
210	54	156	51	103
68	54	14	52	103
ND<0.05 U	54	-53.95	52	104
170	54	116	53	104
0.12	54	-53.88	53	105
13	54	-41	53	106
130	54	76	54	106
0.12	54	-53.88	54	107
160	230	-70	54	108
180	230	-50	54	109
140	230	-90	54	110
210	230	-20	54	111
160	230	-70	54	112
210	230	-20	54	113
68	230	-162	54	114
ND<0.05 U	230	-229.95	54	115
170	230	-60	54	116
0.12	230	-229.88	54	117
13	230	-217	54	118
130	230	-100	54	119
0.12	230	-229.88	54	120
180	160	20	55	120
140	160	-20	55	121
210	160	50	56	121
160	160	0	56	121
210	160	50	57	121
68	160	-92	57	122
ND<0.05 U	160	-159.95	57	123
170	160	10	58	123
0.12	160	-159.88	58	124
13	160	-147	58	125
130	160	-30	58	126
0.12	160	-159.88	58	127
140	180	-40	58	128
210	180	30	59	128
160	180	-20	59	129
210	180	30	60	129
68	180	-112	60	130
ND<0.05 U	180	-179.95	60	131
170	180	-10	60	132
0.12	180	-179.88	60	133
13	180	-167	60	134
130	180	-50	60	135
0.12	180	-179.88	60	136
210	140	70	61	136
160	140	20	62	136
210	140	70	63	136
68	140	-72	63	137
ND<0.05 U	140	-139.95	63	138
170	140	30	64	138
0.12	140	-139.88	64	139
13	140	-127	64	140

130	140	-10	64	141
0.12	140	-139.88	64	142
160	210	-50	64	143
210	210	0	64	143
68	210	-142	64	144
ND<0.05 U	210	-209.95	64	145
170	210	-40	64	146
0.12	210	-209.88	64	147
13	210	-197	64	148
130	210	-80	64	149
0.12	210	-209.88	64	150
210	160	50	65	150
68	160	-92	65	151
ND<0.05 U	160	-159.95	65	152
170	160	10	66	152
0.12	160	-159.88	66	153
13	160	-147	66	154
130	160	-30	66	155
0.12	160	-159.88	66	156
68	210	-142	66	157
ND<0.05 U	210	-209.95	66	158
170	210	-40	66	159
0.12	210	-209.88	66	160
13	210	-197	66	161
130	210	-80	66	162
0.12	210	-209.88	66	163
ND<0.05 U	68	-67.95	66	164
170	68	102	67	164
0.12	68	-67.88	67	165
13	68	-55	67	166
130	68	62	68	166
0.12	68	-67.88	68	167
170	ND<0.05 U	169.95	69	167
0.12	ND<0.05 U	0.07	70	167
13	ND<0.05 U	12.95	71	167
130	ND<0.05 U	129.95	72	167
0.12	ND<0.05 U	0.07	73	167
0.12	170	-169.88	73	168
13	170	-157	73	169
130	170	-40	73	170
0.12	170	-169.88	73	171
13	0.12	12.88	74	171
130	0.12	129.88	75	171
0.12	0.12	0	75	171
130	13	117	76	171
0.12	13	-12.88	76	172
0.12	130	-129.88	76	173

S Statistic = 76 - 173 = -97

Tied Group	Value	Members
1	140	2
2	160	2
3	210	2
4	0.12	2

Time Period	Observations
12/1/2001	1
7/1/2004	1
10/13/2017	1
10/21/2021	1
11/29/2021	1
1/12/2022	1
2/18/2022	1
3/15/2022	1
4/18/2022	1
5/19/2022	1
6/15/2022	1
7/27/2022	1
8/29/2022	1
9/21/2022	1
10/26/2022	1
1/12/2023	1
4/10/2023	1
7/19/2023	1
10/4/2023	1
2/8/2024	1
6/28/2024	1
8/27/2024	1
4/15/2025	1

There are 0 time periods with multiple data

A = 72
B = 0
C = 0
D = 0
E = 8
F = 0
a = 25806
b = 95634
c = 1012
Group Variance = 1429.67
Z-Score = -2.53895
Comparison Level at 95% confidence level = -1.65463 (downward trend)
-2.53895 < -1.65463 indicating a downward trend

Mann-Kendall Trend Analysis

Parameter: Benzene

Location: TM04-PZM006

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

95% Confidence Level

Xj	Xk	Xj - Xk	Positives	Negatives
610	1400	-790	0	1
653	1400	-747	0	2
355	1400	-1045	0	3
367	1400	-1033	0	4
390	1400	-1010	0	5
390	1400	-1010	0	6
380	1400	-1020	0	7
180	1400	-1220	0	8
500	1400	-900	0	9
500	1400	-900	0	10
460	1400	-940	0	11
400	1400	-1000	0	12
500	1400	-900	0	13
540	1400	-860	0	14
500	1400	-900	0	15
370	1400	-1030	0	16
340	1400	-1060	0	17
490	1400	-910	0	18
140	1400	-1260	0	19
400	1400	-1000	0	20
380	1400	-1020	0	21
64	1400	-1336	0	22
653	610	43	1	22
355	610	-255	1	23
367	610	-243	1	24
390	610	-220	1	25
390	610	-220	1	26
380	610	-230	1	27
180	610	-430	1	28
500	610	-110	1	29
500	610	-110	1	30
460	610	-150	1	31
400	610	-210	1	32
500	610	-110	1	33
540	610	-70	1	34
500	610	-110	1	35
370	610	-240	1	36
340	610	-270	1	37
490	610	-120	1	38
140	610	-470	1	39
400	610	-210	1	40
380	610	-230	1	41
64	610	-546	1	42
355	653	-298	1	43
367	653	-286	1	44

390	653	-263	1	45
390	653	-263	1	46
380	653	-273	1	47
180	653	-473	1	48
500	653	-153	1	49
500	653	-153	1	50
460	653	-193	1	51
400	653	-253	1	52
500	653	-153	1	53
540	653	-113	1	54
500	653	-153	1	55
370	653	-283	1	56
340	653	-313	1	57
490	653	-163	1	58
140	653	-513	1	59
400	653	-253	1	60
380	653	-273	1	61
64	653	-589	1	62
367	355	12	2	62
390	355	35	3	62
390	355	35	4	62
380	355	25	5	62
180	355	-175	5	63
500	355	145	6	63
500	355	145	7	63
460	355	105	8	63
400	355	45	9	63
500	355	145	10	63
540	355	185	11	63
500	355	145	12	63
370	355	15	13	63
340	355	-15	13	64
490	355	135	14	64
140	355	-215	14	65
400	355	45	15	65
380	355	25	16	65
64	355	-291	16	66
390	367	23	17	66
390	367	23	18	66
380	367	13	19	66
180	367	-187	19	67
500	367	133	20	67
500	367	133	21	67
460	367	93	22	67
400	367	33	23	67
500	367	133	24	67
540	367	173	25	67
500	367	133	26	67
370	367	3	27	67
340	367	-27	27	68
490	367	123	28	68
140	367	-227	28	69
400	367	33	29	69
380	367	13	30	69
64	367	-303	30	70

390	390	0	30	70
380	390	-10	30	71
180	390	-210	30	72
500	390	110	31	72
500	390	110	32	72
460	390	70	33	72
400	390	10	34	72
500	390	110	35	72
540	390	150	36	72
500	390	110	37	72
370	390	-20	37	73
340	390	-50	37	74
490	390	100	38	74
140	390	-250	38	75
400	390	10	39	75
380	390	-10	39	76
64	390	-326	39	77
380	390	-10	39	78
180	390	-210	39	79
500	390	110	40	79
500	390	110	41	79
460	390	70	42	79
400	390	10	43	79
500	390	110	44	79
540	390	150	45	79
500	390	110	46	79
370	390	-20	46	80
340	390	-50	46	81
490	390	100	47	81
140	390	-250	47	82
400	390	10	48	82
380	390	-10	48	83
64	390	-326	48	84
180	380	-200	48	85
500	380	120	49	85
500	380	120	50	85
460	380	80	51	85
400	380	20	52	85
500	380	120	53	85
540	380	160	54	85
500	380	120	55	85
370	380	-10	55	86
340	380	-40	55	87
490	380	110	56	87
140	380	-240	56	88
400	380	20	57	88
380	380	0	57	88
64	380	-316	57	89
500	180	320	58	89
500	180	320	59	89
460	180	280	60	89
400	180	220	61	89
500	180	320	62	89

540	180	360	63	89
500	180	320	64	89
370	180	190	65	89
340	180	160	66	89
490	180	310	67	89
140	180	-40	67	90
400	180	220	68	90
380	180	200	69	90
64	180	-116	69	91
500	500	0	69	91
460	500	-40	69	92
400	500	-100	69	93
500	500	0	69	93
540	500	40	70	93
500	500	0	70	93
370	500	-130	70	94
340	500	-160	70	95
490	500	-10	70	96
140	500	-360	70	97
400	500	-100	70	98
380	500	-120	70	99
64	500	-436	70	100
460	500	-40	70	101
400	500	-100	70	102
500	500	0	70	102
540	500	40	71	102
500	500	0	71	102
370	500	-130	71	103
340	500	-160	71	104
490	500	-10	71	105
140	500	-360	71	106
400	500	-100	71	107
380	500	-120	71	108
64	500	-436	71	109
400	460	-60	71	110
500	460	40	72	110
540	460	80	73	110
500	460	40	74	110
370	460	-90	74	111
340	460	-120	74	112
490	460	30	75	112
140	460	-320	75	113
400	460	-60	75	114
380	460	-80	75	115
64	460	-396	75	116
500	400	100	76	116
540	400	140	77	116
500	400	100	78	116
370	400	-30	78	117
340	400	-60	78	118
490	400	90	79	118
140	400	-260	79	119
400	400	0	79	119

380	400	-20	79	120
64	400	-336	79	121
540	500	40	80	121
500	500	0	80	121
370	500	-130	80	122
340	500	-160	80	123
490	500	-10	80	124
140	500	-360	80	125
400	500	-100	80	126
380	500	-120	80	127
64	500	-436	80	128
500	540	-40	80	129
370	540	-170	80	130
340	540	-200	80	131
490	540	-50	80	132
140	540	-400	80	133
400	540	-140	80	134
380	540	-160	80	135
64	540	-476	80	136
370	500	-130	80	137
340	500	-160	80	138
490	500	-10	80	139
140	500	-360	80	140
400	500	-100	80	141
380	500	-120	80	142
64	500	-436	80	143
340	370	-30	80	144
490	370	120	81	144
140	370	-230	81	145
400	370	30	82	145
380	370	10	83	145
64	370	-306	83	146
490	340	150	84	146
140	340	-200	84	147
400	340	60	85	147
380	340	40	86	147
64	340	-276	86	148
140	490	-350	86	149
400	490	-90	86	150
380	490	-110	86	151
64	490	-426	86	152
400	140	260	87	152
380	140	240	88	152
64	140	-76	88	153
380	400	-20	88	154
64	400	-336	88	155
64	380	-316	88	156

S Statistic = 88 - 156 = -68

Tied Group	Value	Members
1	390	2
2	380	2
3	500	4
4	400	2

Time Period	Observations
12/1/2001	1
7/1/2004	1
10/13/2017	1
10/21/2021	1
11/29/2021	1
1/12/2022	1
2/18/2022	1
3/15/2022	1
4/18/2022	1
5/19/2022	1
6/15/2022	1
7/27/2022	1
8/29/2022	1
9/21/2022	1
10/26/2022	1
1/12/2023	1
4/10/2023	1
7/19/2023	1
10/4/2023	1
2/8/2024	1
6/28/2024	1
8/27/2024	1
4/15/2025	1

There are 0 time periods with multiple data

A = 210
B = 0
C = 24
D = 0
E = 18
F = 0
a = 25806
b = 95634
c = 1012
Group Variance = 1422
Z-Score = -1.77674
Comparison Level at 95% confidence level = -1.65463 (downward trend)
-1.77674 < -1.65463 indicating a downward trend