Western Refining Southwest LLC
A subsidiary of Marathon Petroleum Corporation

September 11, 2024

Mr. Nelson Velez
EMNRD – Oil Conservation Division
1220 St. Francis Drive
Santa Fe, NM 87505

RE: Western Refining Southwest LLC
Marathon Wingate Facility
Annual Groundwater Report

Dear Mr. Velez:

Attached please find the 2024 Annual Groundwater Monitoring Report for the Western Refining Southwest LLC, Marathon Wingate Facility. If you have any questions or comments regarding the information contained herein, please do not hesitate to contact Mr. Robert Harris at (409) 945-1170.

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction of supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,
Western Refining Southwest LLC, Marathon Wingate Facility

Digitally signed by
John Moore
Date: 2024.09.10
13:24:19 -06'00'

John Moore, P.E.
Vice President
Western Refining Southwest LLC

Enclosure

cc: J. Nance, NMED
M. Suzuki, NMED
L. Tsinnajinnie, NMED
N. Dhawan, NMED
L. Barr, OCD
R. Barris, MPC
H. Jones, Trihydro Corporation

WESTERN REFINING SOUTHWEST LLC

MARATHON WINGATE FACILITY

ANNUAL GROUNDWATER REPORT

SEPTEMBER 11, 2024

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List of Acronyms

AP-121	Abatement Plan No. 121
mg/L	milligrams per liter
NM	New Mexico
OCD	Oil Conservation Division
SPH	separate phase hydrocarbon
SVOC	semi-volatile organic compound
VOC	volatile organic compound
WQCC	Water Quality Control Commission

1.0 Introduction

This Annual Groundwater Report (Report) summarizes the groundwater monitoring activities conducted at the Western Refining Southwest LLC, Marathon Wingate Facility (Facility) in Gallup, New Mexico (NM). This Report is submitted in accordance with the technical specifications of Abatement Plan No. 121 (AP-121), dated October 1, 2015, as approved by the NM Oil Conservation Division (OCD) (NM OCD 2015). This Report describes water quality monitoring activities completed at the Facility during 2024. Groundwater sampling is performed on an annual basis. The data are used to monitor groundwater quality at the Facility.

The Facility is located at 68 El Paso Circle, Gallup, McKinley County, NM 87301, approximately one mile east of the city of Gallup, NM (Figure 1-1). The Facility is a former gas fractionator facility that operated until October 2018. Historically, the Facility fractionated a mixed liquefied petroleum-gas stream into usable products. Feedstock was received via pipelines from four natural gas facilities. The Facility produced propane, butane, isobutane, natural gas liquid (light gasoline), and mixed butane.

Annual groundwater monitoring activities were conducted at the Facility between June 24 and July 16, 2024. This Report provides the following information:

- Summary of the 2024 monitoring activities
- Summary table of analytical results
- Fluid level and potentiometric surface maps

The workplan was followed except where notated in this report.

2.0 Fluid Level Gauging

Trihydro Corporation (Trihydro) collected fluid level measurements from eleven monitoring wells at the Facility between June 24 and July 16, 2024. There are six wells located on site and five wells off site (Figure 2-1). Field logs for the 2024 monitoring event are included in Appendix A.

An oil-water interface probe was used to measure groundwater and separate phase hydrocarbon (SPH) depths if present. The interface probe was decontaminated after use at each monitoring well location. SPH was not detected in any well during the 2024 sampling event.

The 2024 groundwater elevations are presented in Table 2-1. Groundwater elevations were calculated by subtracting the depth to groundwater from the elevation of the well casing. Groundwater elevations were used to develop the potentiometric surface map (Figure 2-2). Groundwater generally flows towards the west-northwest, which is consistent with previous monitoring events. Groundwater elevation versus time is presented on Figure 2-3. The 2024 depth to groundwater measurements were also consistent with recent monitoring events. However, since WMW-11 was installed in 2023 the trend for this well has not yet been established.

WMW-3 was proposed to be plugged and abandoned and replaced in 2020 due to a 10-foot discrepancy in the measured well depth between the 2019 and 2020 events (indicating that the well casing had separated at the threaded joint). This was delayed due to the COVID-19 pandemic and difficulties securing a land access agreement with the Navajo Nation. The Facility has secured an access agreement with the Navajo Nation and is waiting for field conditions to improve before replacing and abandoning WMW-3. Well WMW-3 is in a low area that collects drainage and therefore soils are soft in times of increased precipitation.

3.0 Groundwater Sampling

Groundwater samples were collected between June 26 and July 16, 2024, from the eleven monitoring wells. Sampling was initiated on June 26th and June 27th, 2024. Heavy rain and wind saturated the area around monitoring wells WMW-3, WMW-6, and WMW-8, which created extremely soft soil/muddy conditions that prevented vehicle and foot traffic in certain areas preventing the collection of samples from WMW-3, WMW-6, and WMW-8 until July 16, 2024.

Samples were collected using a low-flow peristaltic pump with new tubing for each monitoring well. Field parameters were collected at a minimum frequency of every three minutes during groundwater extraction. This continued until the field parameters stabilized within a 10 percent variability. Field parameters included temperature, pH, conductivity, total dissolved solids, salinity, turbidity, oxidation-reduction potential, and dissolved oxygen. Following stabilization, groundwater was collected in laboratory-prepared sample containers. Samples collected were analyzed for the following constituents:

- Volatile Organic Compounds (VOC) – Method 8260B
- Semi-Volatile Organic Compounds (SVOC) – Method 8270C
- Dissolved Metals – Method 6010B/6020A
- Mercury – Method 7470A
- Alkalinity, Total as Calcium Carbonate – Method SM2320B
- Total Dissolved Solids – Method SM2540C
- pH – Method 4500
- Chloride, Nitrogen, Nitrate, and Sulfate – Method 300.0
- Total Uranium – Method 200.8

Monitoring well WMW-11 did not produce enough sample volume to fill all the sample containers during the 2024 groundwater monitoring event. As per the work plan, VOCs were prioritized, and this resulted in only enough water to fill the VOC bottles. This was noted on the chain-of-custody form.

Quality assurance/quality control samples (i.e., field duplicates, equipment blanks, and trip blanks) were collected and submitted under chain-of-custody controls for laboratory analysis. Three duplicate groundwater samples (WMW-1R, WMW-3, and WMW-7), three field blanks, and three equipment blanks were collected. The duplicate samples and equipment blanks were analyzed for the same

constituents as the monitoring well samples. The field blanks were analyzed for VOCs. One trip blank was provided by the laboratory for each cooler and trip blanks were kept in the coolers during the entirety of sampling. The trip blanks were analyzed for VOCs.

4.0 Analytical Results

The groundwater samples were analyzed by Eurofins Albuquerque of Albuquerque, NM. Analytical laboratory reports are provided in Appendix B.

The 2024 groundwater analytical results for VOCs, SVOCs, metals, and general chemistry analytes are provided in Tables 4-1, 4-2, 4-3, and 4-4, respectively. The commonly noted constituents of concern that have historically exceeded regulatory standards are shown on Figure 4-1. Sulfate concentrations versus time for the monitoring wells are shown on Figure 4-2. Total dissolved solids concentrations versus time for the monitoring wells are shown on Figure 4-3. Benzene concentrations versus time for monitoring wells WMW-2, WMW-9, and WMW-10 are shown on Figure 4-4, and total xylenes concentrations versus time in monitoring well WMW-2 is shown on Figure 4-5.

Analytical results were compared to the NM Water Quality Control Commission (WQCC) groundwater quality standards, as documented in the NM Administrative Code 20.6.2.3103. Analytical results that exceed their respective standards are shown in bold text in Tables 4-1 through 4-4.

The benzene concentration in groundwater from monitoring well WMW-2 (15 milligrams per liter [mg/L]) continues to exceed the groundwater quality standard of 0.005 mg/L. The groundwater samples analyzed from monitoring wells WMW-9 and WMW-10 also exceeded the groundwater standard for benzene (10.0 mg/L and 2.7 mg/L, respectively). Multiple investigations have taken place to delineate dissolved-phase benzene near WMW-2, including the installation of WMW-9 through WMW-11. These monitoring wells will continue to be included in the annual groundwater monitoring program.

Naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene were analyzed by methods 8260B for VOCs and 8270C for SVOCs. Because AP-121 does not specify a preferred method to analyze these analytes, both methods are included in the analytical tables (Tables 4-1 and 4-2). There were no other VOC detections exceeding the WQCC groundwater quality standards during 2024. There were no SVOC detections during 2024.

The dissolved arsenic concentration in groundwater exceeded the WQCC groundwater quality standard of 0.01 mg/L in wells WMW-1R and WMW-9 (0.018 and 0.014 mg/L, respectively). Total uranium concentration in groundwater exceeded the WQCC groundwater quality standard of 0.03 mg/L in well WMW-3 (0.067 mg/L). Uranium has historically been reported as exceeding the WQCC standard in

WMW-1R (2016, 2017, 2018, 2021 and 2023), WMW-3 (2015, 2016, 2017, 2018, 2019, 2022, and 2023), WMW-5 (2015, 2016, 2017, 2018 and 2019), WMW-7 (2015, 2016, 2017, 2018, and 2021), and WMW-11 (2023). There were no other metals exceedances in groundwater reported by the laboratory during the 2024 sampling event.

Historically there have been exceedances of the WQCC groundwater quality standards for total chloride, total dissolved solids, and sulfate concentrations in the monitoring wells sampled at the Facility. These parameters were reported with analytical results, which again exceed the WQCC groundwater quality standard. The exception to this is that WMW-1R, WMW-6 and WMW-8 did not have exceedances for total chloride, total dissolved solids, or sulfate. It should also be noted that several detection limits exceeded their applicable regulatory standards (see Table 4-4). All data provided by analyses where the limit of detection values exceed standard values are considered data quality exceptions and will not be used to demonstrate compliance.

The analytical data underwent Tier I and Tier II data validation. Data qualifiers are included in Tables 4-1 through 4-4, if applicable. The Tier II data validation reports are provided in Appendix C. The data completeness measure was calculated at 100% and is acceptable.

5.0 Summary

Groundwater exceedances across the site are consistent with historical results. Benzene concentrations in groundwater continues to exceed the WQCC groundwater quality standard in the southwest portion of the site.

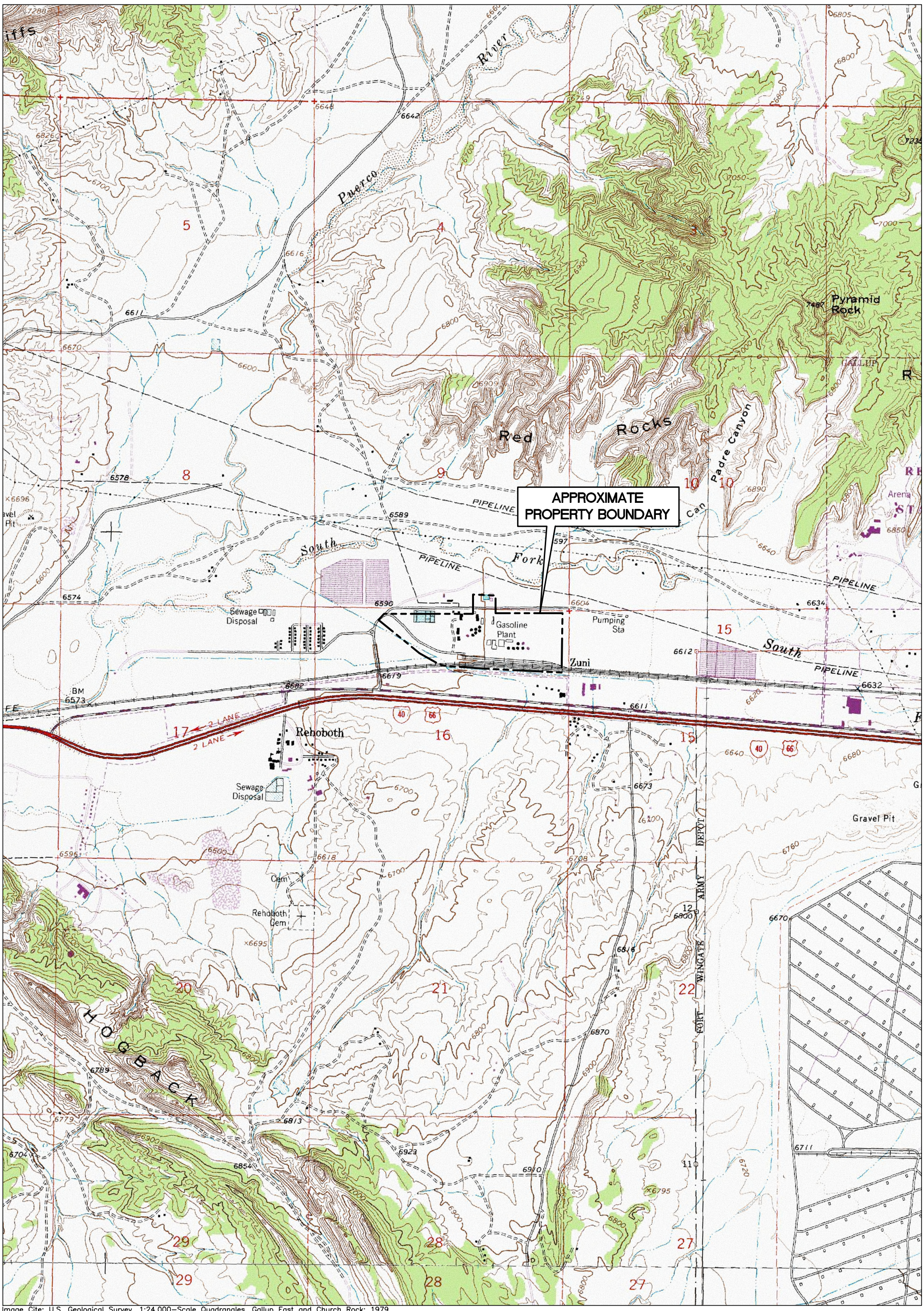
Seven investigations have been conducted to delineate dissolved phase benzene exceedances. The most recent investigations were conducted in October 2023 and June 2024. The 2023 investigation included the installation and sampling of 11 boreholes; the collection of 2 soil samples above the saturation zone; and the collection of 11 groundwater samples. A report summarizing the investigation activities was submitted to NM OCD on March 8, 2024. This investigation delineated the extent of the dissolved phase benzene plume to the north, south, and west, and recommended further investigation to delineate the extent of the plume to the east. Additional boreholes to delineate the extent of the benzene plume to the east were installed during June 2024. An investigation report will be submitted to the NM OCD in the 4th quarter of 2024.

Additionally, as requested by NM OCD, WMW-3 is scheduled to be plugged, abandoned, and replaced with WMW-3R, in Q3 2024, when conditions on the Facility grounds improve to allow installation.

6.0 References

New Mexico Oil Conservation Division (NM OCD). 2015. Abatement Plan No. 121.

Figures



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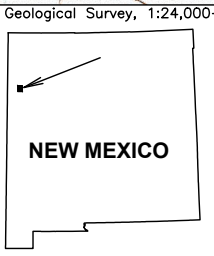

QUADRANGLE LOCATION

N

0 2,000'

Trihydro CORPORATION
1252 Commerce Drive
Laramie, Wyoming 82070
www.trihydro.com
(P) 307/745.7474 (F) 307/745.7729

FIGURE 1-1

SITE LOCATION MAP

WINGATE 2024 GROUNDWATER REPORT, WESTERN REFINING SOUTHWEST LLC, MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Drawn By: SB	Checked By: AJ	Scale: 1" = 2,000'	Date: 7/16/2024	File: 697-WIN_SITELOCATIONMAP

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NOTE:

WMW-3R WILL BE INSTALLED THE IN THE THIRD QUARTER OF 2024 BASED ON FIELD CONDITIONS.

EXPLANATION

● WMW-11	MONITORING WELL AND DESIGNATION
⊕ WMW-3R	PROPOSED MONITORING WELL AND DESIGNATION
——— - - - ———	APPROXIMATE PROPERTY BOUNDARY

N

0 300'

Trihydro CORPORATION
1252 Commerce Drive
Laramie, Wyoming 82070
www.trihydro.com
(P) 307/745.7474 (F) 307/745.7729

FIGURE 2-1

FACILITY MAP

WINGATE 2024 GROUNDWATER REPORT, WESTERN REFINING SOUTHWEST LLC, MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Drawn By: SB	Checked By: AJ	Scale: 1" = 300'	Date: 7/18/2024	File: 697-WIN_SITEPLAN

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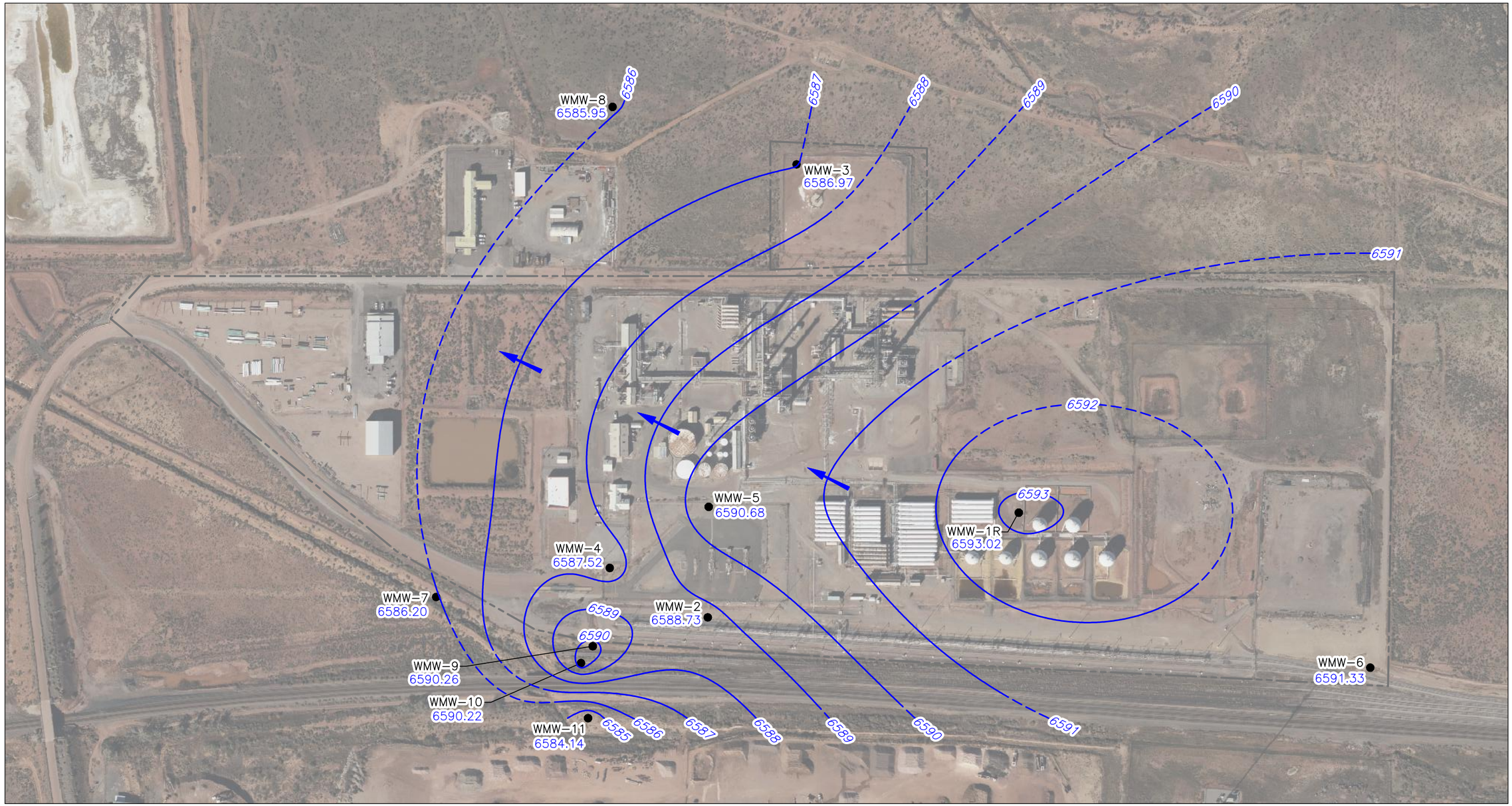

Image Cite: DigitalGlobe © CNES (2024) Distribution Airbus DS © Microsoft Corporation, BING Imagery

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EXPLANATION

WMW-11 6584.14	MONITORING WELL AND DESIGNATION SHOWING GROUNDWATER ELEVATION IN FT AMSL
6585	LINE OF EQUAL ELEVATION OF POTENTIOMETRIC SURFACE (FT AMSL, CONTOUR INTERVAL 1 FT., DASHED WHERE INFERRED)
	GROUNDWATER FLOW DIRECTION
	APPROXIMATE PROPERTY BOUNDARY
FT AMSL	FEET ABOVE MEAN SEA LEVEL

N

0 300'

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Laramie, Wyoming 82070
www.trihydro.com
(P) 307/745.7474 (F) 307/745.7729

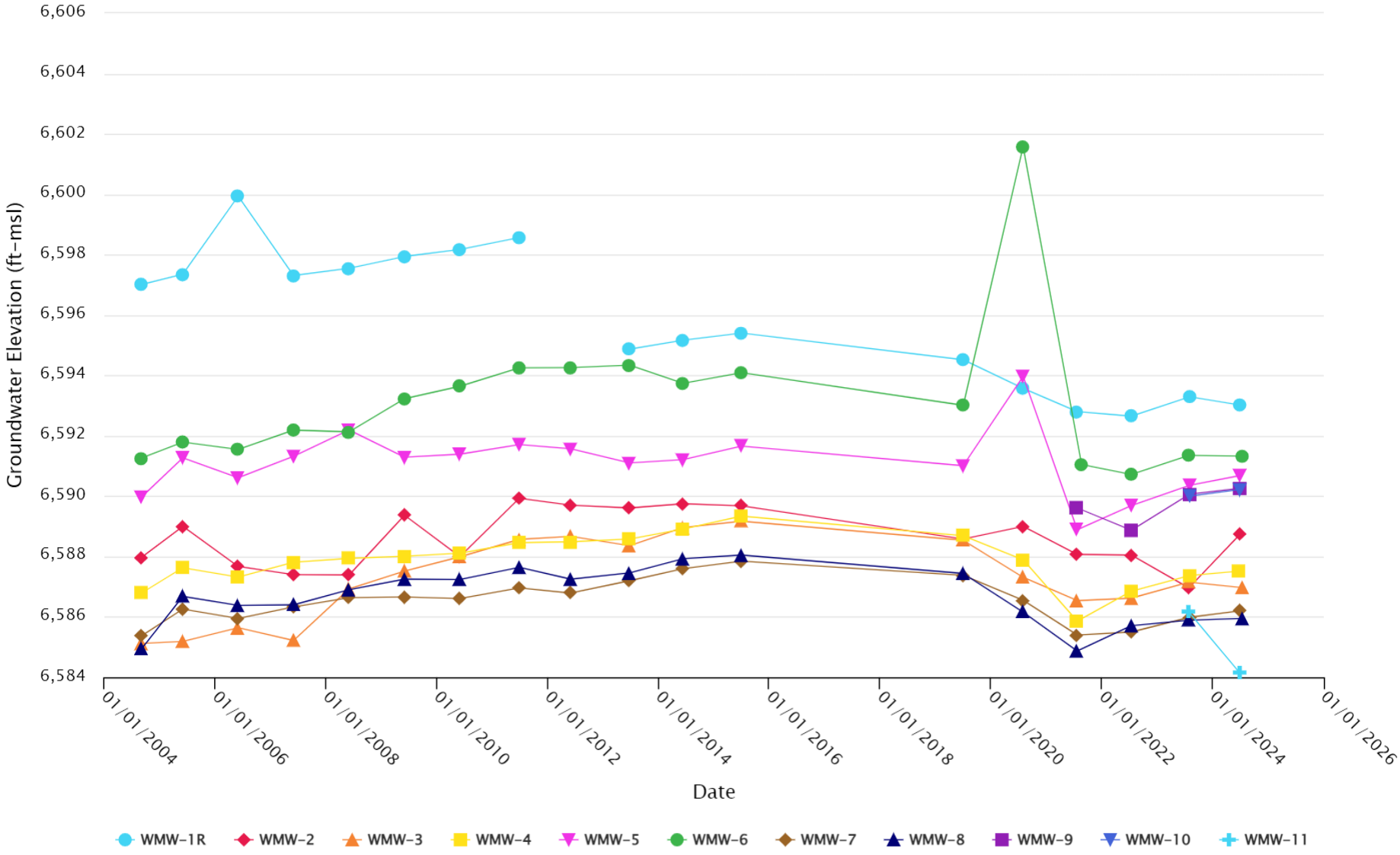
FIGURE 2-2

POTENTIOMETRIC SURFACE MAP

WINGATE 2024 GROUNDWATER REPORT, WESTERN REFINING SOUTHWEST LLC, MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

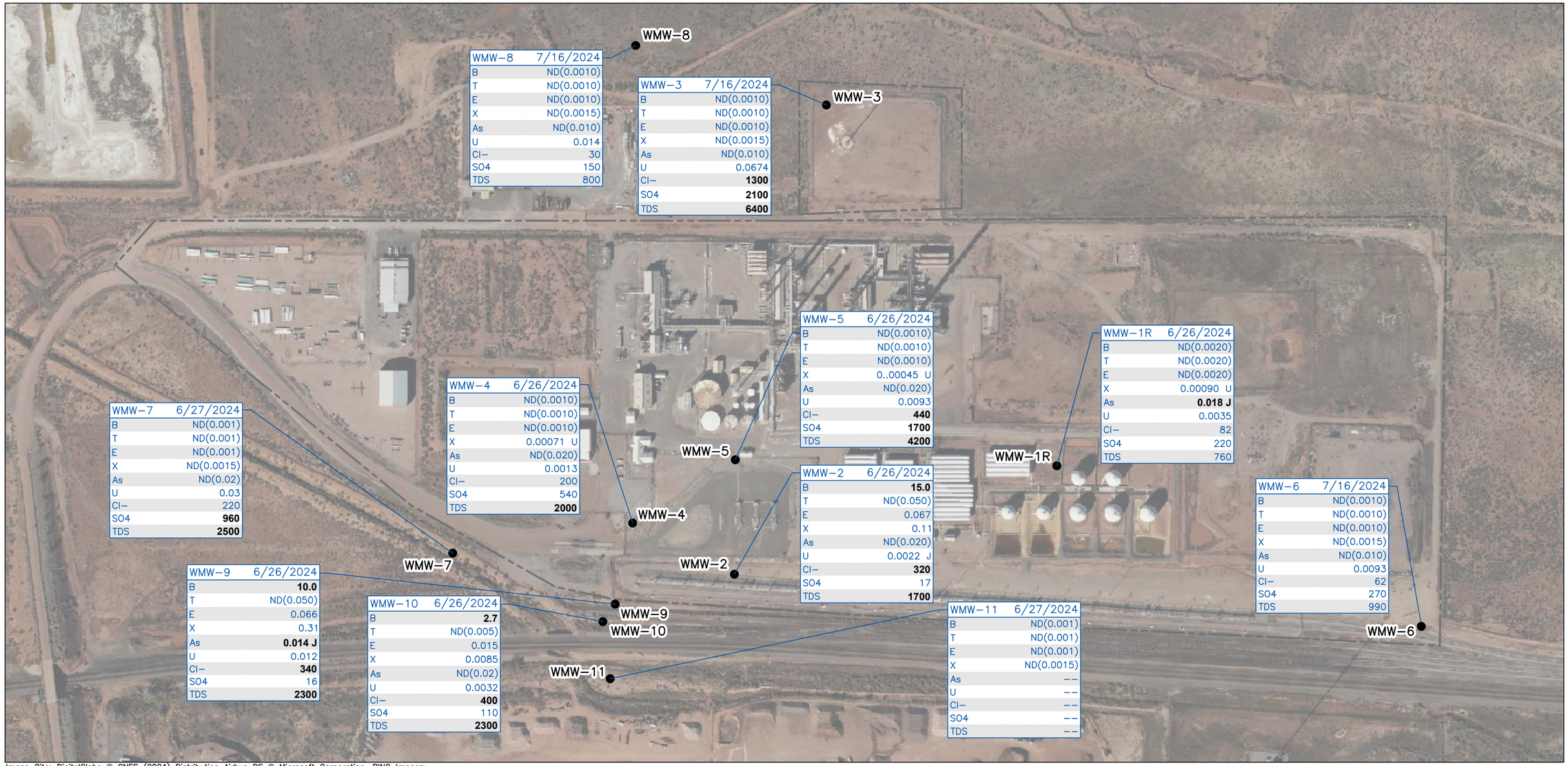
Drawn By: JLP	Checked By: AJ	Scale: 1" = 300'	Date: 8/22/2024	File: 697-WIN_PSMAP-2024

FIGURE 2-3. GROUNDWATER ELEVATION VS. TIME
WINGATE 2024 GROUNDWATER REPORT
WESTERN REFINING SOUTHWEST LLC, MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO



ft-msl - feet above mean sea level

Values for WMW-1R prior to 1/1/2012 are for WMW-1



WMW-8	7/16/2024
B	ND(0.0010)
T	ND(0.0010)
E	ND(0.0010)
X	ND(0.0015)
As	ND(0.010)
U	0.014
Cl-	30
SO4	150
TDS	800

WMW-3	7/16/2024
B	ND(0.0010)
T	ND(0.0010)
E	ND(0.0010)
X	ND(0.0015)
As	ND(0.010)
U	0.0674
Cl-	**1300**
SO4	**2100**
TDS	**6400**

WMW-5	6/26/2024
B	ND(0.0010)
T	ND(0.0010)
E	ND(0.0010)
X	0..00045 U
As	ND(0.020)
U	0.0093
Cl-	**440**
SO4	**1700**
TDS	**4200**

WMW-1R	6/26/2024
B	ND(0.0020)
T	ND(0.0020)
E	ND(0.0020)
X	0.00090 U
As	**0.018 J**
U	0.0035
Cl-	82
SO4	220
TDS	760

WMW-4	6/26/2024
B	ND(0.0010)
T	ND(0.0010)
E	ND(0.0010)
X	0.00071 U
As	ND(0.020)
U	0.0013
Cl-	200
SO4	540
TDS	**2000**

WMW-7	6/27/2024
B	ND(0.001)
T	ND(0.001)
E	ND(0.001)
X	ND(0.0015)
As	ND(0.02)
U	0.03
Cl-	220
SO4	**960**
TDS	**2500**

WMW-2	6/26/2024
B	**15.0**
T	ND(0.050)
E	0.067
X	0.11
As	ND(0.020)
U	0.0022 J
Cl-	**320**
SO4	17
TDS	**1700**

WMW-6	7/16/2024
B	ND(0.0010)
T	ND(0.0010)
E	ND(0.0010)
X	ND(0.0015)
As	ND(0.010)
U	0.0093
Cl-	62
SO4	270
TDS	990

WMW-9	6/26/2024
B	**10.0**
T	ND(0.050)
E	0.066
X	0.31
As	**0.014 J**
U	0.012
Cl-	**340**
SO4	16
TDS	**2300**

WMW-10	6/26/2024
B	**2.7**
T	ND(0.005)
E	0.015
X	0.0085
As	ND(0.02)
U	0.0032
Cl-	**400**
SO4	110
TDS	**2300**

WMW-11	6/27/2024
B	ND(0.001)
T	ND(0.001)
E	ND(0.001)
X	ND(0.0015)
As	--
U	--
Cl-	--
SO4	--
TDS	--

Image Cite: DigitalGlobe © CNES (2024) Distribution Airbus DS © Microsoft Corporation, BING Imagery

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NOTES:

1. SITE FEATURES ARE APPROXIMATE.
2. ALL VALUES ARE IN MILLIGRAMS PER LITER (mg/L).
3. VALUES SHOWN IN **BOLD FONT AND BLACK COLOR** EXCEED NEW MEXICO'S GROUNDWATER CLEANUP TARGET LEVELS.
4. SAMPLE DATES ARE ALL FORMATTED AS MONTH/DAY/YEAR.
5. J = ESTIMATED CONCENTRATION
6. U = EVALUATED TO BE UNDETECTED AT THE REPORTING LIMIT
7. -- = NOT SAMPLED
8. WMW-3R WILL BE INSTALLED THE IN THE THIRD QUARTER OF 2024 BASED ON FIELD CONDITIONS.
9. WMW-11 ONLY HAD ENOUGH FLUID PRESENT AT THE TIME OF SAMPLING FOR VOC ANALYSIS.

ANALYTE TABLE EXPLANATION

WELL DESIGNATION	WMW-1R	6/26/2024 ← SAMPLE DATE
BENZENE	B	0.005
TOLUENE	T	1
ETHYLBENZENE	E	0.7
XYLENES, TOTAL	X	0.62
TOTAL ARSENIC	As	0.01
URANIUM	U	0.03
CHLORIDE	Cl-	250
SULFATE	SO4	600
TOTAL DISSOLVED SOLIDS	TDS	1000

VALUES SHOWN ARE NEW MEXICO'S GROUNDWATER CLEANUP TARGET LEVELS

EXPLANATION

● WMW-7 MONITORING WELL AND DESIGNATION

APPROXIMATE PROPERTY BOUNDARY

ND NOT DETECTED

N

0 300'

Trihydro CORPORATION
1252 Commerce Drive
Laramie, Wyoming 82070
www.trihydro.com
(P) 307/745.7474 (F) 307/745.7729

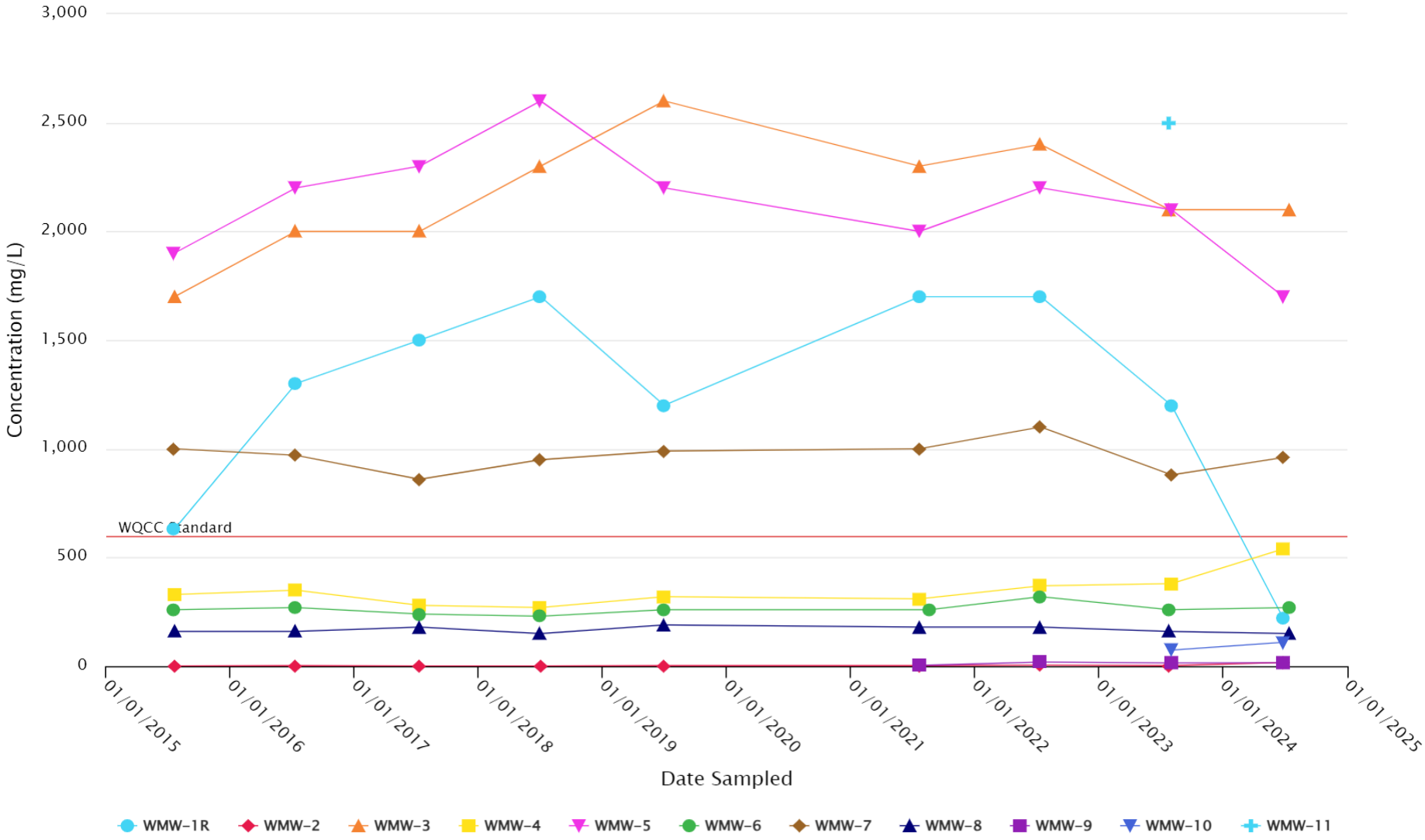
FIGURE 4-1

GROUNDWATER ANALYTICAL SUMMARY

WINGATE 2024 GROUNDWATER REPORT, WESTERN REFINING SOUTHWEST LLC, MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Drawn By: JLP	Checked By: AJ	Scale: 1" = 300'	Date: 8/22/2024	File: 697-WIN_ANALYTICAL-2024

FIGURE 4-2. SULFATE CONCENTRATION VS. TIME
WINGATE 2024 GROUNDWATER REPORT
WESTERN REFINING SOUTHWEST LLC, MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

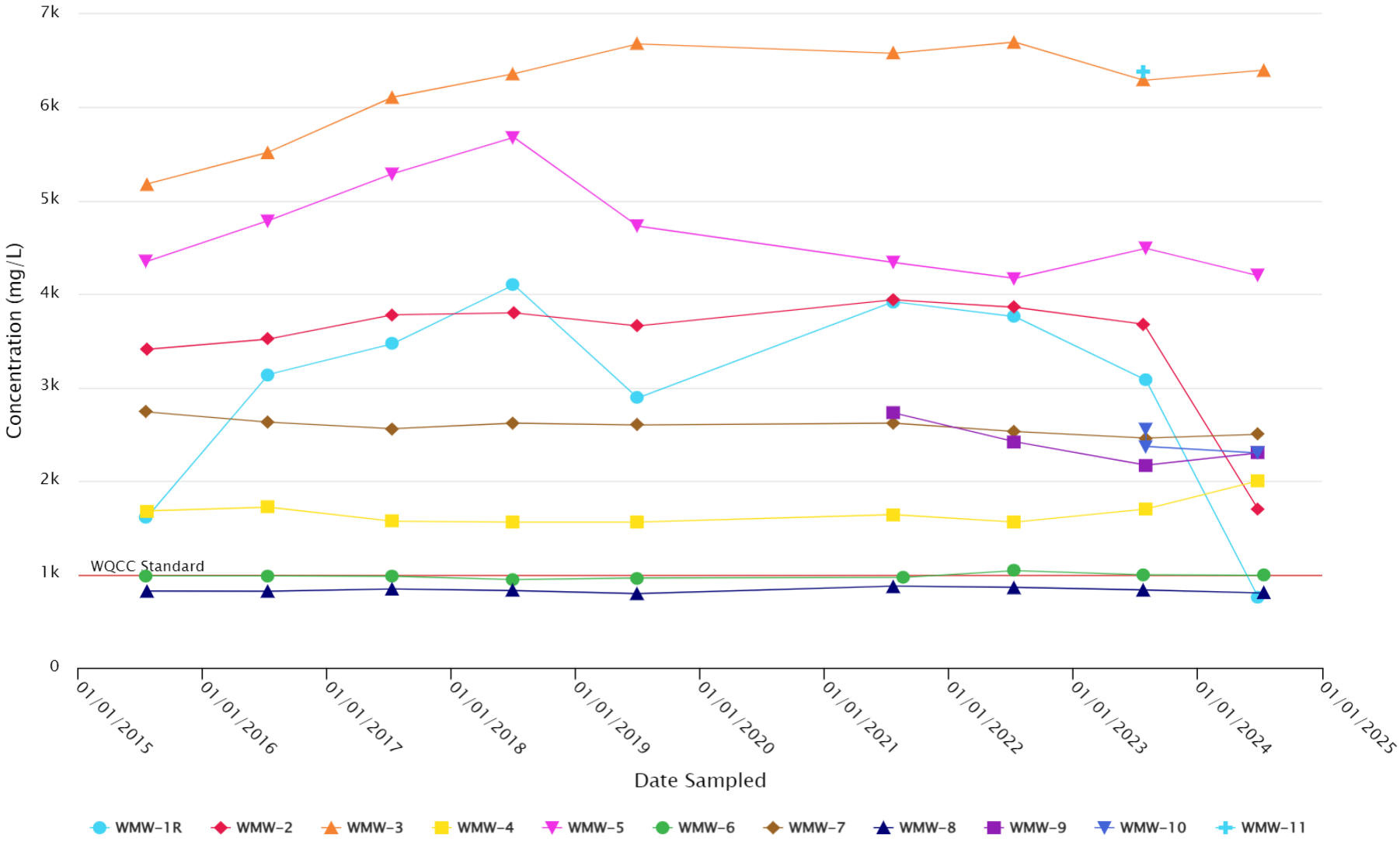


mg/L - milligrams per liter

WQCC Standard - New Mexico Water Quality Control Commission groundwater quality standards

During the 2024 sampling event, WMW-11 only had enough fluid present to analyze for volatile organic compounds

FIGURE 4-3. TOTAL DISSOLVED SOLIDS CONCENTRATION VS. TIME
WINGATE 2024 GROUNDWATER REPORT
WESTERN REFINING SOUTHWEST LLC, MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

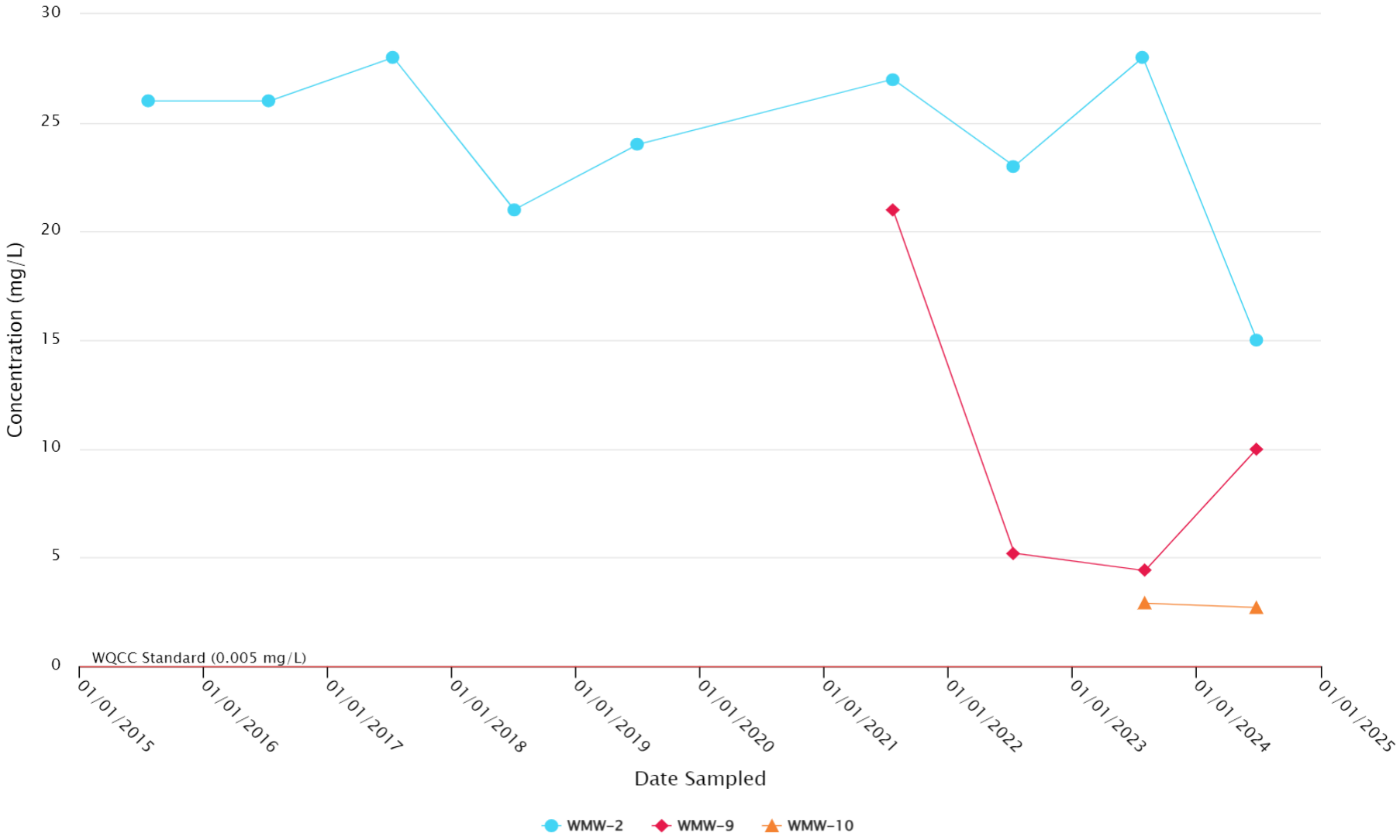


mg/L - milligrams per liter

WQCC Standard - New Mexico Water Quality Control Commission groundwater quality standards

During the 2024 sampling event, WMW-11 only had enough fluid present to analyze for volatile organic compounds

FIGURE 4-4. BENZENE CONCENTRATION VS. TIME
WINGATE 2024 GROUNDWATER REPORT
WESTERN REFINING SOUTHWEST LLC, MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

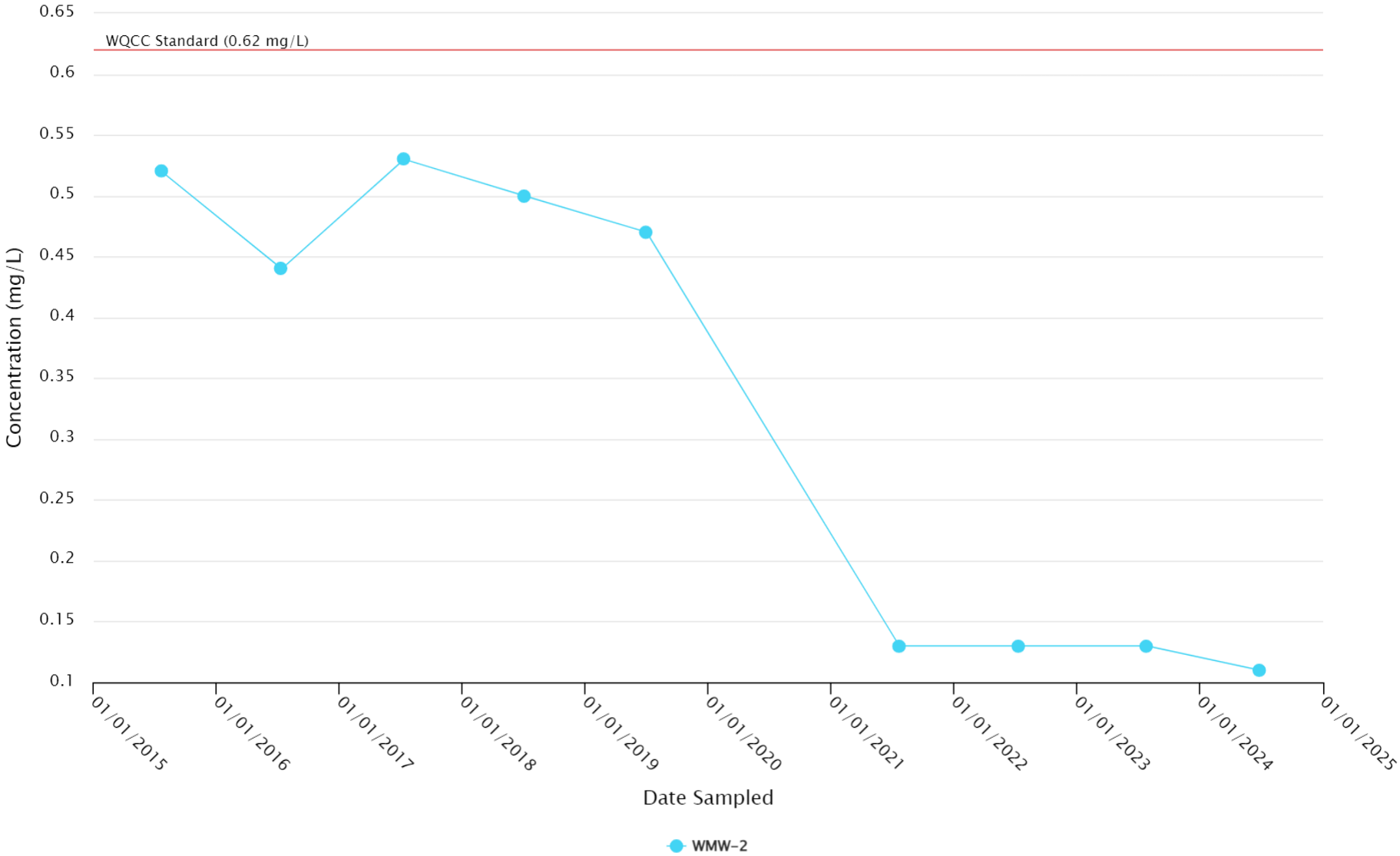


mg/L - milligrams per liter

WQCC Standard - New Mexico Water Quality Control Commission groundwater quality standards

The chart only shows wells with benzene exceedances during the 2024 sampling event.

FIGURE 4-5. TOTAL XYLENES CONCENTRATION OF WMW-2 VS. TIME
WINGATE 2024 GROUNDWATER REPORT
WESTERN REFINING SOUTHWEST LLC, MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO



mg/L - milligram per liter

WQCC Standard - New Mexico Water Quality Control Commission groundwater quality standards

Tables

TABLE 2-1. FLUID LEVEL MONITORING (2024)

WESTERN REFINING SOUTHWEST LLC, MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Location	Date Measured	Depth To Water (ft-bmp)	Depth to Product (ft-bmp)	Water Surface Elevation (ft-msl)
WMW-1R	6/25/24	10.75	ND	6593.02
WMW-2	6/26/24	6.15	ND	6588.73
WMW-3	7/16/24	7.95	ND	6586.97
WMW-4	6/24/24	7.97	ND	6587.52
WMW-5	6/25/24	6.43	ND	6590.68
WMW-6	7/16/24	12.53	ND	6591.33
WMW-7	6/25/24	8.5	ND	6586.2
WMW-8	7/16/24	8.1	ND	6585.95
WMW-9	6/25/24	6.32	ND	6590.26
WMW-10	6/25/24	5.64	ND	6590.22
WMW-11	6/27/24	18.56	ND	6584.14

ft-bmp - feet below measuring point
ft-msl - feet above mean sea level
ND - not detected

TABLE 4-1. GROUNDWATER VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	Acetone (mg/L)	Benzene (mg/L)	Bromobenzene (mg/L)	Bromodichloromethane (mg/L)	Bromoform (mg/L)	Bromomethane (mg/L)	2-Butanone (mg/L)	n-Butylbenzene (mg/L)
WMW-1R Dup	6/26/24	0.0053 U	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0060)	ND(0.020)	ND(0.0060)
WMW-1R	6/26/24	ND(0.020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0060)	ND(0.020)	ND(0.0060)
WMW-2	6/26/24	ND(0.500)	**15.000**	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.150)	ND(0.500)	ND(0.150)
WMW-3	7/16/24	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0030)	ND(0.010)	ND(0.0030)
WMW-3 Dup	7/16/24	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0030)	ND(0.010)	ND(0.0030)
WMW-4	6/26/24	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0030)	ND(0.010)	ND(0.0030)
WMW-5	6/26/24	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0030)	ND(0.010)	ND(0.0030)
WMW-6	7/16/24	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0030)	ND(0.010)	ND(0.0030)
WMW-7	6/27/24	ND(0.010)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.003)	ND(0.010)	ND(0.003)
WMW-7 Dup	6/27/24	ND(0.010)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.003)	ND(0.010)	ND(0.003)
WMW-8	7/16/24	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0030)	ND(0.010)	ND(0.0030)
WMW-9	6/26/24	ND(0.500)	**10.000**	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.150)	ND(0.500)	ND(0.150)
WMW-10	6/27/24	ND(0.050)	**2.700**	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.015)	ND(0.050)	ND(0.015)
WMW-11	6/27/24	ND(0.010)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.003)	ND(0.010)	ND(0.003)
WQCC Groundwater Standard		NA	0.005	NA	NA	NA	NA	NA	NA

Dup - duplicate sample
J - Estimated concentration
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit
U - Evaluated to be undetected at the reported limit

Notes:
Bolded results exceed the WQCC Groundwater Standard.
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.

TABLE 4-1. GROUNDWATER VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	sec-Butylbenzene (mg/L)	tert-Butylbenzene (mg/L)	Carbon Disulfide (mg/L)	Carbon tetrachloride (mg/L)	Chlorobenzene (mg/L)	Chloroethane (mg/L)	Chloroform (mg/L)	Chloromethane (mg/L)
WMW-1R Dup	6/26/24	ND(0.0020)	ND(0.0020)	ND(0.020)	ND(0.0020)	ND(0.0020)	ND(0.0040)	ND(0.0020)	ND(0.0060)
WMW-1R	6/26/24	ND(0.0020)	ND(0.0020)	ND(0.020)	ND(0.0020)	ND(0.0020)	ND(0.0040)	ND(0.0020)	ND(0.0060)
WMW-2	6/26/24	0.014 J	ND(0.050)	ND(0.500)	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.150)
WMW-3	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0030)
WMW-3 Dup	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0030)
WMW-4	6/26/24	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0030)
WMW-5	6/26/24	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0030)
WMW-6	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0030)
WMW-7	6/27/24	ND(0.001)	ND(0.001)	ND(0.010)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.003)
WMW-7 Dup	6/27/24	ND(0.001)	ND(0.001)	ND(0.010)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.003)
WMW-8	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0030)
WMW-9	6/26/24	0.014 J	ND(0.050)	ND(0.500)	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.150)
WMW-10	6/27/24	0.00082 J	ND(0.005)	ND(0.050)	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.005)	ND(0.015)
WMW-11	6/27/24	ND(0.001)	ND(0.001)	ND(0.010)	ND(0.001)	ND(0.001)	ND(0.002)	0.00056 J	ND(0.003)
WQCC Groundwater Standard		NA	NA	NA	0.005	NA	NA	0.1	NA

Dup - duplicate sample
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mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit
U - Evaluated to be undetected at the reported limit

Notes:
Bolded results exceed the WQCC Groundwater Standard.
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.

TABLE 4-1. GROUNDWATER VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	2-Chlorotoluene (mg/L)	4-Chlorotoluene (mg/L)	1,2-Dibromo-3-Chloropropane (mg/L)	Dibromochloromethane (mg/L)	1,2-Dibromoethane (mg/L)	Dibromomethane (mg/L)	1,2-Dichlorobenzene (mg/L)	1,3-Dichlorobenzene (mg/L)
WMW-1R Dup	6/26/24	ND(0.0020)	ND(0.0020)	ND(0.0040)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
WMW-1R	6/26/24	ND(0.0020)	ND(0.0020)	ND(0.0040)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
WMW-2	6/26/24	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
WMW-3	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-3 Dup	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-4	6/26/24	0.00016 J	0.00021 J	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-5	6/26/24	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-6	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-7	6/27/24	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
WMW-7 Dup	6/27/24	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
WMW-8	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-9	6/26/24	ND(0.050)	0.010 J	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
WMW-10	6/27/24	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
WMW-11	6/27/24	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
WQCC Groundwater Standard		NA	NA	NA	NA	0.00005	NA	0.6	NA

Dup - duplicate sample
J - Estimated concentration
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit
U - Evaluated to be undetected at the reported limit

Notes:
Bolded results exceed the WQCC Groundwater Standard.
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.

TABLE 4-1. GROUNDWATER VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	1,4-Dichlorobenzene (mg/L)	Dichlorodifluoromethane (mg/L)	1,1-Dichloroethane (mg/L)	1,2-Dichloroethane (mg/L)	1,1-Dichloroethene (mg/L)	cis-1,2-Dichloroethene (mg/L)	trans-1,2-Dichloroethene (mg/L)	1,2-Dichloropropane (mg/L)
WMW-1R Dup	6/26/24	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
WMW-1R	6/26/24	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
WMW-2	6/26/24	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
WMW-3	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-3 Dup	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-4	6/26/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-5	6/26/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-6	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-7	6/27/24	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
WMW-7 Dup	6/27/24	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
WMW-8	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-9	6/26/24	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
WMW-10	6/27/24	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
WMW-11	6/27/24	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
WQCC Groundwater Standard		0.075	NA	0.025	0.005	0.007	0.07	0.1	0.005

Dup - duplicate sample
J - Estimated concentration
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit
U - Evaluated to be undetected at the reported limit

Notes:
Bolded results exceed the WQCC Groundwater Standard.
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.

TABLE 4-1. GROUNDWATER VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	1,3-Dichloropropane (mg/L)	2,2-Dichloropropane (mg/L)	1,1-Dichloropropene (mg/L)	cis-1,3-Dichloropropene (mg/L)	trans-1,3-Dichloropropene (mg/L)	Ethylbenzene (mg/L)	Hexachlorobutadiene (mg/L)	2-Hexanone (mg/L)
WMW-1R Dup	6/26/24	ND(0.0020)	ND(0.0040)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.020)
WMW-1R	6/26/24	ND(0.0020)	ND(0.0040)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.020)
WMW-2	6/26/24	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.050)	0.067	ND(0.050)	ND(0.500)
WMW-3	7/16/24	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)
WMW-3 Dup	7/16/24	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)
WMW-4	6/26/24	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)
WMW-5	6/26/24	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)
WMW-6	7/16/24	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)
WMW-7	6/27/24	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.010)
WMW-7 Dup	6/27/24	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.010)
WMW-8	7/16/24	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)
WMW-9	6/26/24	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.050)	0.066	ND(0.050)	ND(0.500)
WMW-10	6/27/24	ND(0.005)	ND(0.010)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.050)
WMW-11	6/27/24	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.010)
WQCC Groundwater Standard		NA	NA	NA	NA	NA	0.7	NA	NA

Dup - duplicate sample
J - Estimated concentration
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit
U - Evaluated to be undetected at the reported limit

Notes:
Bolded results exceed the WQCC Groundwater Standard.
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.

TABLE 4-1. GROUNDWATER VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	Isopropylbenzene (mg/L)	p-Isopropyltoluene (mg/L)	4-Methyl-2-Pentanone (mg/L)	Methylene Chloride (mg/L)	1-Methylnaphthalene (mg/L)	2-Methylnaphthalene (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)
WMW-1R Dup	6/26/24	ND(0.0020)	ND(0.0020)	ND(0.020)	ND(0.0060)	ND(0.0080)	ND(0.0080)	ND(0.0020)	0.00049 U
WMW-1R	6/26/24	ND(0.0020)	ND(0.0020)	ND(0.020)	ND(0.0060)	ND(0.0080)	ND(0.0080)	ND(0.0020)	ND(0.0040)
WMW-2	6/26/24	0.014 U	0.016 J	ND(0.500)	ND(0.150)	ND(0.200)	ND(0.200)	ND(0.050)	0.027 U
WMW-3	7/16/24	ND(0.0010)	ND(0.0010)	0.0015 J	ND(0.0030)	ND(0.0040)	ND(0.0040)	ND(0.0010)	ND(0.0020)
WMW-3 Dup	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0030)	ND(0.0040)	ND(0.0040)	ND(0.0010)	ND(0.0020)
WMW-4	6/26/24	0.00022 U	ND(0.0010)	ND(0.010)	ND(0.0030)	ND(0.0040)	ND(0.0040)	ND(0.0010)	ND(0.0020)
WMW-5	6/26/24	0.00021 U	ND(0.0010)	ND(0.010)	ND(0.0030)	ND(0.0040)	ND(0.0040)	ND(0.0010)	0.00024 U
WMW-6	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0030)	ND(0.0040)	ND(0.0040)	ND(0.0010)	ND(0.0020)
WMW-7	6/27/24	ND(0.001)	ND(0.001)	ND(0.010)	ND(0.003)	ND(0.004)	ND(0.004)	ND(0.001)	ND(0.002)
WMW-7 Dup	6/27/24	ND(0.001)	ND(0.001)	ND(0.010)	ND(0.003)	ND(0.004)	ND(0.004)	ND(0.001)	ND(0.002)
WMW-8	7/16/24	ND(0.0010)	ND(0.0010)	0.0015 J	ND(0.0030)	ND(0.0040)	ND(0.0040)	ND(0.0010)	ND(0.0020)
WMW-9	6/26/24	0.014 U	ND(0.050)	ND(0.500)	ND(0.150)	ND(0.200)	ND(0.200)	ND(0.050)	0.018 U
WMW-10	6/27/24	0.002 J	ND(0.005)	ND(0.050)	ND(0.015)	ND(0.020)	ND(0.020)	ND(0.005)	0.003 J
WMW-11	6/27/24	ND(0.001)	ND(0.001)	ND(0.010)	ND(0.003)	ND(0.004)	ND(0.004)	ND(0.001)	ND(0.002)
WQCC Groundwater Standard		NA	NA	NA	0.005	NA	NA	NA	0.03

Dup - duplicate sample
J - Estimated concentration
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit
U - Evaluated to be undetected at the reported limit

Notes:
Bolded results exceed the WQCC Groundwater Standard.
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.

TABLE 4-1. GROUNDWATER VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	n-Propylbenzene (mg/L)	Styrene (mg/L)	1,1,1,2-Tetrachloroethane (mg/L)	1,1,2,2-Tetrachloroethane (mg/L)	Tetrachloroethene (mg/L)	Toluene (mg/L)	1,2,3-Trichlorobenzene (mg/L)	1,2,4-Trichlorobenzene (mg/L)
WMW-1R Dup	6/26/24	0.00050 U	ND(0.0020)	ND(0.0020)	ND(0.0040)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
WMW-1R	6/26/24	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0040)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
WMW-2	6/26/24	0.014 U	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
WMW-3	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-3 Dup	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-4	6/26/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-5	6/26/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-6	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-7	6/27/24	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
WMW-7 Dup	6/27/24	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
WMW-8	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-9	6/26/24	0.014 U	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
WMW-10	6/27/24	0.0011 J	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
WMW-11	6/27/24	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
WQCC Groundwater Standard		NA	0.1	NA	0.01	0.005	1	NA	0.07

Dup - duplicate sample
J - Estimated concentration
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit
U - Evaluated to be undetected at the reported limit

Notes:
Bolded results exceed the WQCC Groundwater Standard.
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.

TABLE 4-1. GROUNDWATER VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	1,1,1-Trichloroethane (mg/L)	1,1,2-Trichloroethane (mg/L)	Trichloroethene (mg/L)	Trichlorofluoromethane (mg/L)	1,2,3-Trichloropropane (mg/L)	1,2,4-Trimethylbenzene (mg/L)	1,3,5-Trimethylbenzene (mg/L)	Vinyl Chloride (mg/L)
WMW-1R Dup	6/26/24	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0040)	ND(0.0020)	ND(0.0020)	ND(0.0020)
WMW-1R	6/26/24	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0040)	ND(0.0020)	ND(0.0020)	ND(0.0020)
WMW-2	6/26/24	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.100)	0.031 U	ND(0.050)	ND(0.050)
WMW-3	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-3 Dup	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-4	6/26/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	0.00033 U	ND(0.0010)	ND(0.0010)
WMW-5	6/26/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-6	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-7	6/27/24	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)
WMW-7 Dup	6/27/24	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.00017 J	ND(0.001)	ND(0.001)
WMW-8	7/16/24	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)
WMW-9	6/26/24	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.100)	0.022 U	0.018 J	ND(0.050)
WMW-10	6/27/24	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.0037 J	ND(0.005)	ND(0.005)
WMW-11	6/27/24	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.00019 J	ND(0.001)	ND(0.001)
WQCC Groundwater Standard		0.2	0.005	0.005	NA	NA	NA	NA	0.002

Dup - duplicate sample
J - Estimated concentration
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit
U - Evaluated to be undetected at the reported limit

Notes:
Bolded results exceed the WQCC Groundwater Standard.
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.

TABLE 4-1. GROUNDWATER VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	Xylenes, Total (mg/L)
WMW-1R Dup	6/26/24	0.00092 U
WMW-1R	6/26/24	0.00090 U
WMW-2	6/26/24	0.110
WMW-3	7/16/24	ND(0.0015)
WMW-3 Dup	7/16/24	ND(0.0015)
WMW-4	6/26/24	0.00071 U
WMW-5	6/26/24	0.00045 U
WMW-6	7/16/24	ND(0.0015)
WMW-7	6/27/24	ND(0.0015)
WMW-7 Dup	6/27/24	ND(0.0015)
WMW-8	7/16/24	ND(0.0015)
WMW-9	6/26/24	0.310
WMW-10	6/27/24	0.0085
WMW-11	6/27/24	ND(0.0015)
WQCC Groundwater Standard		0.62

Dup - duplicate sample
J - Estimated concentration
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit
U - Evaluated to be undetected at the reported limit

Notes:
Bolded results exceed the WQCC Groundwater Standard.
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.

TABLE 4-2. GROUNDWATER SEMI-VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Aniline (mg/L)	Anthracene (mg/L)	Azobenzene (mg/L)	Benzo(a)anthracene (mg/L)	Benzo(a)pyrene (mg/L)	Benzo(b)fluoranthene (mg/L)
WMW-1R Dup	6/26/24	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.100)
WMW-1R	6/26/24	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.100)
WMW-2	6/26/24	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.100)
WMW-3	7/16/24	ND(0.019)	ND(0.0096)	ND(0.019)	ND(0.0096)	ND(0.019)	ND(0.019)	ND(0.0096)	ND(0.019)
WMW-3 Dup	7/16/24	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)
WMW-4	6/26/24	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)
WMW-5	6/26/24	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)
WMW-6	7/16/24	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)
WMW-7	6/27/24	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.010)
WMW-7 Dup	6/27/24	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.010)
WMW-8	7/16/24	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)
WMW-9	6/26/24	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)
WMW-10	6/27/24	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.100)
WQCC Groundwater Standard		NA	NA	NA	NA	NA	NA	0.0002	NA

Dup - duplicate sample
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit

Notes:
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.
There was not enough sample volume to fill a full bottle set for WMW-11; only bottles for volatile organic compounds were filled.

TABLE 4-2. GROUNDWATER SEMI-VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	Benzo(g,h,i)perylene (mg/L)	Benzo(k)fluoranthene (mg/L)	Benzoic Acid (mg/L)	Benzyl Alcohol (mg/L)	Bis(2-chloroethoxy)methane (mg/L)	Bis(2-chloroethyl)ether (mg/L)	Bis(2-chloroisopropyl)ether (mg/L)	Bis(2-ethylhexyl)phthalate (mg/L)
WMW-1R Dup	6/26/24	ND(0.050)	ND(0.100)	ND(0.200)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.100)
WMW-1R	6/26/24	ND(0.050)	ND(0.100)	ND(0.200)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.100)
WMW-2	6/26/24	ND(0.050)	ND(0.100)	ND(0.200)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.100)
WMW-3	7/16/24	ND(0.0096)	ND(0.019)	ND(0.038)	ND(0.0096)	ND(0.019)	ND(0.019)	ND(0.0096)	ND(0.019)
WMW-3 Dup	7/16/24	ND(0.0050)	ND(0.010)	ND(0.020)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)
WMW-4	6/26/24	ND(0.0050)	ND(0.010)	ND(0.020)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)
WMW-5	6/26/24	ND(0.0050)	ND(0.010)	ND(0.020)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)
WMW-6	7/16/24	ND(0.0050)	ND(0.010)	ND(0.020)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	0.011
WMW-7	6/27/24	ND(0.005)	ND(0.010)	ND(0.020)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.010)
WMW-7 Dup	6/27/24	ND(0.005)	ND(0.010)	ND(0.020)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.010)
WMW-8	7/16/24	ND(0.0050)	ND(0.010)	ND(0.020)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)
WMW-9	6/26/24	ND(0.0050)	ND(0.010)	ND(0.020)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)
WMW-10	6/27/24	ND(0.050)	ND(0.100)	ND(0.200)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.100)
WQCC Groundwater Standard		NA	NA	NA	NA	NA	NA	NA	NA

Dup - duplicate sample
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit

Notes:
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.
There was not enough sample volume to fill a full bottle set for WMW-11; only bottles for volatile organic compounds were filled.

TABLE 4-2. GROUNDWATER SEMI-VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	4-Bromophenyl-phenylether (mg/L)	Butylbenzylphthalate (mg/L)	Carbazole (mg/L)	4-Chloro-3-Methylphenol (mg/L)	4-Chloroaniline (mg/L)	2-Chloronaphthalene (mg/L)	2-Chlorophenol (mg/L)	4-Chlorophenyl-phenylether (mg/L)
WMW-1R Dup	6/26/24	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.200)	ND(0.050)
WMW-1R	6/26/24	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.200)	ND(0.050)
WMW-2	6/26/24	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.200)	ND(0.050)
WMW-3	7/16/24	ND(0.0096)	ND(0.019)	ND(0.019)	ND(0.0096)	ND(0.0096)	ND(0.019)	ND(0.038)	ND(0.0096)
WMW-3 Dup	7/16/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.020)	ND(0.0050)
WMW-4	6/26/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.020)	ND(0.0050)
WMW-5	6/26/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.020)	ND(0.0050)
WMW-6	7/16/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.020)	ND(0.0050)
WMW-7	6/27/24	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.020)	ND(0.005)
WMW-7 Dup	6/27/24	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.020)	ND(0.005)
WMW-8	7/16/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.020)	ND(0.0050)
WMW-9	6/26/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.020)	ND(0.0050)
WMW-10	6/27/24	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.200)	ND(0.050)
WQCC Groundwater Standard		NA	NA	NA	NA	NA	NA	NA	NA

Dup - duplicate sample
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit

Notes:
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.
There was not enough sample volume to fill a full bottle set for WMW-11; only bottles for volatile organic compounds were filled.

TABLE 4-2. GROUNDWATER SEMI-VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	Chrysene (mg/L)	Di-n-butylphthalate (mg/L)	Di-n-octylphthalate (mg/L)	Dibenzo(a,h)anthracene (mg/L)	Dibenzofuran (mg/L)	1,2-Dichlorobenzene (mg/L)	1,3-Dichlorobenzene (mg/L)	1,4-Dichlorobenzene (mg/L)
WMW-1R Dup	6/26/24	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.120)	ND(0.120)
WMW-1R	6/26/24	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.120)	ND(0.120)
WMW-2	6/26/24	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.120)	ND(0.120)
WMW-3	7/16/24	ND(0.0096)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.023)	ND(0.023)
WMW-3 Dup	7/16/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.012)
WMW-4	6/26/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.012)
WMW-5	6/26/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.012)
WMW-6	7/16/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.012)
WMW-7	6/27/24	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.012)
WMW-7 Dup	6/27/24	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.012)
WMW-8	7/16/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.012)
WMW-9	6/26/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.012)
WMW-10	6/27/24	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.120)	ND(0.120)
WQCC Groundwater Standard		NA	NA	NA	NA	NA	0.6	NA	0.075

Dup - duplicate sample
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit

Notes:
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.
There was not enough sample volume to fill a full bottle set for WMW-11; only bottles for volatile organic compounds were filled.

TABLE 4-2. GROUNDWATER SEMI-VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	3,3-Dichlorobenzidine (mg/L)	2,4-Dichlorophenol (mg/L)	Diethylphthalate (mg/L)	2,4-Dimethylphenol (mg/L)	Dimethylphthalate (mg/L)	4,6-Dinitro-2-methylphenol (mg/L)	2,4-Dinitrophenol (mg/L)	2,4-Dinitrotoluene (mg/L)
WMW-1R Dup	6/26/24	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.200)	ND(0.300)	ND(0.050)
WMW-1R	6/26/24	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.200)	ND(0.300)	ND(0.050)
WMW-2	6/26/24	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.200)	ND(0.300)	ND(0.050)
WMW-3	7/16/24	ND(0.019)	ND(0.0096)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.038)	ND(0.058)	ND(0.0096)
WMW-3 Dup	7/16/24	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.030)	ND(0.0050)
WMW-4	6/26/24	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.030)	ND(0.0050)
WMW-5	6/26/24	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.030)	ND(0.0050)
WMW-6	7/16/24	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.030)	ND(0.0050)
WMW-7	6/27/24	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.030)	ND(0.005)
WMW-7 Dup	6/27/24	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.030)	ND(0.005)
WMW-8	7/16/24	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.030)	ND(0.0050)
WMW-9	6/26/24	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.030)	ND(0.0050)
WMW-10	6/27/24	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.200)	ND(0.300)	ND(0.050)
WQCC Groundwater Standard		NA	NA	NA	NA	NA	NA	NA	NA

Dup - duplicate sample
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit

Notes:
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.
There was not enough sample volume to fill a full bottle set for WMW-11; only bottles for volatile organic compounds were filled.

TABLE 4-2. GROUNDWATER SEMI-VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	2,6-Dinitrotoluene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Hexachlorobenzene (mg/L)	Hexachlorobutadiene (mg/L)	Hexachlorocyclopentadiene (mg/L)	Hexachloroethane (mg/L)	Indeno(1,2,3-cd)pyrene (mg/L)
WMW-1R Dup	6/26/24	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.100)
WMW-1R	6/26/24	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.100)
WMW-2	6/26/24	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.100)
WMW-3	7/16/24	ND(0.019)	ND(0.019)	ND(0.0096)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.019)
WMW-3 Dup	7/16/24	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.010)
WMW-4	6/26/24	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.010)
WMW-5	6/26/24	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.010)
WMW-6	7/16/24	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.010)
WMW-7	6/27/24	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.010)
WMW-7 Dup	6/27/24	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.010)
WMW-8	7/16/24	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.010)
WMW-9	6/26/24	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.010)
WMW-10	6/27/24	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.100)
WQCC Groundwater Standard		NA	NA	NA	NA	NA	NA	NA	NA

Dup - duplicate sample
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit

Notes:
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.
There was not enough sample volume to fill a full bottle set for WMW-11; only bottles for volatile organic compounds were filled.

TABLE 4-2. GROUNDWATER SEMI-VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	Isophorone (mg/L)	1-Methylnaphthalene (mg/L)	2-Methylnaphthalene (mg/L)	2-Methylphenol (mg/L)	3,4-Methylphenol (mg/L)	Naphthalene (mg/L)	2-Nitroaniline (mg/L)	3-Nitroaniline (mg/L)
WMW-1R Dup	6/26/24	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.200)
WMW-1R	6/26/24	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.200)
WMW-2	6/26/24	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.200)
WMW-3	7/16/24	ND(0.0096)	ND(0.019)	ND(0.0096)	ND(0.019)	ND(0.019)	ND(0.0096)	ND(0.019)	ND(0.038)
WMW-3 Dup	7/16/24	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.020)
WMW-4	6/26/24	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.020)
WMW-5	6/26/24	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.020)
WMW-6	7/16/24	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.020)
WMW-7	6/27/24	ND(0.005)	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.020)
WMW-7 Dup	6/27/24	ND(0.005)	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.020)
WMW-8	7/16/24	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.020)
WMW-9	6/26/24	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.020)
WMW-10	6/27/24	ND(0.050)	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.100)	ND(0.200)
WQCC Groundwater Standard		NA	NA	NA	NA	NA	0.03	NA	NA

Dup - duplicate sample
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit

Notes:
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.
There was not enough sample volume to fill a full bottle set for WMW-11; only bottles for volatile organic compounds were filled.

TABLE 4-2. GROUNDWATER SEMI-VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	4-Nitroaniline (mg/L)	Nitrobenzene (mg/L)	2-Nitrophenol (mg/L)	4-Nitrophenol (mg/L)	N-Nitrosodi-n-propylamine (mg/L)	N-Nitrosodimethylamine (mg/L)	N-Nitrosodiphenylamine (mg/L)	Pentachlorophenol (mg/L)
WMW-1R Dup	6/26/24	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.200)
WMW-1R	6/26/24	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.200)
WMW-2	6/26/24	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.200)
WMW-3	7/16/24	ND(0.0096)	ND(0.0096)	ND(0.019)	ND(0.019)	ND(0.0096)	ND(0.0096)	ND(0.019)	ND(0.038)
WMW-3 Dup	7/16/24	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.020)
WMW-4	6/26/24	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.020)
WMW-5	6/26/24	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.020)
WMW-6	7/16/24	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.020)
WMW-7	6/27/24	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.020)
WMW-7 Dup	6/27/24	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.020)
WMW-8	7/16/24	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.020)
WMW-9	6/26/24	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.010)	ND(0.020)
WMW-10	6/27/24	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.050)	ND(0.050)	ND(0.100)	ND(0.200)
WQCC Groundwater Standard		NA	NA	NA	NA	NA	NA	NA	0.001

Dup - duplicate sample
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit

Notes:
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.
There was not enough sample volume to fill a full bottle set for WMW-11; only bottles for volatile organic compounds were filled.

TABLE 4-2. GROUNDWATER SEMI-VOLATILE ORGANIC COMPOUNDS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)	1,2,4-Trichlorobenzene (mg/L)	2,4,5-Trichlorophenol (mg/L)	2,4,6-Trichlorophenol (mg/L)
WMW-1R Dup	6/26/24	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.200)	ND(0.100)	ND(0.100)	ND(0.100)
WMW-1R	6/26/24	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.200)	ND(0.100)	ND(0.100)	ND(0.100)
WMW-2	6/26/24	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.200)	ND(0.100)	ND(0.100)	ND(0.100)
WMW-3	7/16/24	ND(0.0096)	ND(0.019)	ND(0.019)	ND(0.038)	ND(0.019)	ND(0.019)	ND(0.019)
WMW-3 Dup	7/16/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.010)
WMW-4	6/26/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.010)
WMW-5	6/26/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.010)
WMW-6	7/16/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.010)
WMW-7	6/27/24	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.010)
WMW-7 Dup	6/27/24	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.010)
WMW-8	7/16/24	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.010)
WMW-9	6/26/24	ND(0.0050)	0.027	ND(0.010)	ND(0.020)	ND(0.010)	ND(0.010)	ND(0.010)
WMW-10	6/27/24	ND(0.050)	ND(0.100)	ND(0.100)	ND(0.200)	ND(0.100)	ND(0.100)	ND(0.100)
WQCC Groundwater Standard		NA	NA	NA	NA	0.07	NA	NA

Dup - duplicate sample
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit

Notes:
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.
There was not enough sample volume to fill a full bottle set for WMW-11; only bottles for volatile organic compounds were filled.

TABLE 4-3. GROUNDWATER METALS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	Arsenic, Dissolved (mg/L)	Barium, Dissolved (mg/L)	Cadmium, Dissolved (mg/L)	Calcium, Dissolved (mg/L)	Chromium, Dissolved (mg/L)	Lead, Dissolved (mg/L)
WMW-1R	6/26/24	**0.018 J**	0.067	ND(0.0020)	68	ND(0.0060)	ND(0.020)
WMW-1R Dup	6/26/24	**0.023**	0.063	ND(0.0020)	67	ND(0.0060)	ND(0.020)
WMW-2	6/26/24	ND(0.020)	0.28	ND(0.0020)	26	ND(0.0060)	ND(0.020)
WMW-3	7/16/24	ND(0.010)	0.013 U	ND(0.010)	150	ND(0.0060)	ND(0.010)
WMW-3 Dup	7/16/24	ND(0.010)	0.012 U	ND(0.010)	150	ND(0.0060)	ND(0.010)
WMW-4	6/26/24	ND(0.020)	0.077	ND(0.010)	35	ND(0.0060)	ND(0.020)
WMW-5	6/26/24	ND(0.020)	0.0020 J	ND(0.010)	310	ND(0.0060)	ND(0.020)
WMW-6	7/16/24	ND(0.010)	0.033	ND(0.010)	33	ND(0.0060)	ND(0.010)
WMW-7	6/27/24	ND(0.02)	0.015 J	ND(0.002)	22	ND(0.006)	ND(0.02)
WMW-7 Dup	6/27/24	ND(0.02)	0.015 J	ND(0.002)	22	ND(0.006)	ND(0.02)
WMW-8	7/16/24	ND(0.010)	0.12	ND(0.0020)	30	ND(0.0060)	ND(0.010)
WMW-9	6/26/24	**0.014 J**	0.47	ND(0.0020)	25	ND(0.0060)	ND(0.020)
WMW-10	6/27/24	ND(0.02)	1.4	ND(0.01)	45	ND(0.006)	ND(0.02)
WQCC Groundwater Standard		0.01	2	0.005	NA	0.05	0.015

Dup - duplicate sample
J - Estimated concentration
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit
U - Evaluated to be undetected at the reported limit

Notes:
Bolded results exceed the WQCC Groundwater Standard.
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.
There was not enough sample volume to fill a full bottle set for WMW-11; only bottles for volatile organic compounds were filled.

TABLE 4-3. GROUNDWATER METALS ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	Mercury, Total (mg/L)	Selenium, Dissolved (mg/L)	Silver, Dissolved (mg/L)	Sodium, Dissolved (mg/L)	Uranium, Total Recoverable (mg/L)
WMW-1R	6/26/24	ND(0.00020)	ND(0.020)	0.0014 J	140	0.0035
WMW-1R Dup	6/26/24	ND(0.00020)	ND(0.020)	0.0012 J	150	0.0036
WMW-2	6/26/24	ND(0.00020)	ND(0.020)	ND(0.0050)	740	0.0022 J
WMW-3	7/16/24	ND(0.00020)	ND(0.010)	0.0027 J	1800	**0.067**
WMW-3 Dup	7/16/24	ND(0.00020)	ND(0.010)	0.0027 J	1900	**0.068**
WMW-4	6/26/24	ND(0.00020)	ND(0.020)	ND(0.0050)	680	0.0013
WMW-5	6/26/24	ND(0.00020)	ND(0.020)	0.0035 J	980	0.0079
WMW-6	7/16/24	ND(0.00020)	ND(0.010)	ND(0.0050)	280	0.0093
WMW-7	6/27/24	ND(0.0002)	ND(0.02)	ND(0.005)	800	0.03
WMW-7 Dup	6/27/24	ND(0.0002)	ND(0.02)	ND(0.005)	780	0.03
WMW-8	7/16/24	ND(0.00020)	ND(0.010)	ND(0.0050)	250	0.014
WMW-9	6/26/24	ND(0.00020)	ND(0.020)	ND(0.0050)	850	0.012
WMW-10	6/27/24	ND(0.0002)	ND(0.02)	ND(0.005)	900	0.0032
WQCC Groundwater Standard		0.002	0.05	0.05	NA	0.03

Dup - duplicate sample
J - Estimated concentration
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit
U - Evaluated to be undetected at the reported limit

Notes:
Bolded results exceed the WQCC Groundwater Standard.
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.
There was not enough sample volume to fill a full bottle set for WMW-11; only bottles for volatile organic compounds were filled.

TABLE 4-4. GROUNDWATER GENERAL CHEMISTRY ANALYTICAL DATA (2024)
WESTERN REFINING SOUTHWEST LLC
MARATHON WINGATE FACILITY, GALLUP, NEW MEXICO

Sample ID	Sample Date	Alkalinity (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Chloride (mg/L)	Nitrogen, Nitrate & Nitrite (mg/L)	pH (Std Units)	Solids, Total Dissolved (mg/L)	Sulfate (mg/L)
WMW-1R Dup	6/26/24	170	170	ND(2.0)	81	0.54 J	7.7 J	760	220
WMW-1R	6/26/24	170	170	ND(2.0)	82	0.53 J	7.7 J	760	220
WMW-2	6/26/24	960	960	ND(2.0)	**320**	0.92 J	7.6 J	**1700**	17
WMW-3	7/16/24	1100	1100	ND(2.0)	**1300**	ND(1.0)	7.7 J	**6400**	**2100**
WMW-3 Dup	7/16/24	1100	1100	ND(2.0)	**1200**	ND(1.0)	7.8 J	**6500**	**2100**
WMW-4	6/26/24	800	800	ND(2.0)	200	ND(2.0)	8.0 J	**2000**	540
WMW-5	6/26/24	740	740	ND(2.0)	**440**	ND(2.0)	7.6 J	**4200**	**1700**
WMW-6	7/16/24	460	460	ND(2.0)	62	ND(1.0)	8.0 J	990	270
WMW-7	6/27/24	700	680	21	220	ND(0.2)	8.5 J	**2500**	**960**
WMW-7 Dup	6/27/24	700	680	17	210	ND(0.2)	8.5 J	**2400**	**920**
WMW-8	7/16/24	510	510	ND(2.0)	30	ND(1.0)	8.0 J	800	150
WMW-9	6/26/24	1300	1200	98	**340**	ND(2.0)	8.1 J	**2300**	16
WMW-10	6/27/24	1200	1200	ND(5)	**400**	ND(2)	8.1 J	**2300**	110
WQCC Groundwater Standard		NA	NA	NA	250	NA	NA	1000	600

Dup - duplicate sample
J - Estimated concentration
mg/L - milligrams per liter
NA - not applicable
ND(x) - not detected where x is the reporting limit
Std Units - Standard Units

Notes:
Bolded results exceed the WQCC Groundwater Standard.
WQCC Groundwater Standards - New Mexico Water Quality Control Commission Groundwater Quality Standards, New Mexico Administrative Code 20.6.2.3103.
There was not enough sample volume to fill a full bottle set for WMW-11; only bottles for volatile organic compounds were filled.

Appendix A. Field Logs

WESTERN REFINING - GALLUP WINGATE FACILITY

2024 ANNUAL GROUNDWATER SAMPLING

WELL ID		TEST PARAMETERS										
WMW-1R		Volumes	TIME	pH	Temperature Degrees (°C)	Conductivity (uS/m)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (mg/L)	ORP (mv)	Turbidity (NTU)
GAUGE DATE	6/25/24	Initial	10:53	6.67	12.4	0.91	0.592	0.45	23.96	-127.3	22.7
GAUGE TIME	16:06	1	10:58	6.62	12.2	0.91	0.593	0.44	21.36	-120.9	20.5
DHC (FEET)	ND	2	14:00	6.61	12.1	0.90	0.592	0.43	22.18	-118.7	20.4
DTW (FEET)	10.75	3									
DTB (FEET)	19.14	4									
		5									
CAPACITY PER FOOT	0.653 - 4"	6									
	0.163 - 2"										

SAMPLING DATA

SAMPLE DATE	6/26	WEATHER CONDITIONS: Sunny 78°F
DTW (FEET)	10.75	WATER APPEARANCE / ODOR: Yellowish Clear / No odor
SAMPLE TIME	10:53	COMMENTS: Dup Collected - Dup-6-26-24

SAMPLE LOG

INSTRUMENTS USED	OIL / WATER INTERFACE PROBE
	PERISTALTIC PUMP
	FLOW THROUGH YSI PARAMETER METER

COMPLETED BY: Hilario Trejo SIGNATURE:

WESTERN REFINING - GALLUP WINGATE FACILITY

2024 ANNUAL GROUNDWATER SAMPLING

WELL ID		TEST PARAMETERS									
WMW-2 6/26		Volumes	TIME	pH	Temperature Degrees (°C)	Conductivity (uS/m)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (mg/L)	ORP (mv)	Turbidity (NTU)
GAUGE DATE	[illegible]	Initial	10:10	6.99	11.2	3.508	2.42	1.81	25.74	-174.7	31.4
GAUGE TIME	[illegible] 10:10	1	10:13	6.93	10.8	3.158	2.06	1.69	23.93	-186.5	26.6
DHC (FEET)	ND	2	10:16	6.89	10.8	2.967	1.730	1.68	22.43	-192.3	28.6
DTW (FEET)	6.15	3									
DTB (FEET)	20.07	4									
		5									
CAPACITY PER FOOT	0.653 - 4"	6									
	0.163 - 2"										

SAMPLING DATA

SAMPLE DATE	6/26/24	WEATHER CONDITIONS: Sunny 74°F
DTW (FEET)	6.13	WATER APPEARANCE / ODOR: Clear / No odor
SAMPLE TIME	10:10	COMMENTS:

SAMPLE LOG

INSTRUMENTS USED	OIL / WATER INTERFACE PROBE
	PERISTALTIC PUMP
	FLOW THROUGH YSI PARAMETER METER

COMPLETED BY: Hilario Tejo SIGNATURE: [signature]

WESTERN REFINING - GALLUP WINGATE FACILITY

2024 ANNUAL GROUNDWATER SAMPLING

WELL ID		TEST PARAMETERS									
WMW-3		Volumes	TIME	pH	Temperature Degrees (°C)	Conductivity (uS/m)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (mg/L)	ORP (mv)	Turbidity (NTU)
GAUGE DATE	7/16/24	Initial	10:00	6.92	11.7	7.35	4.775	4.06	17.80	33.4	36.9
GAUGE TIME	10:00	1	10:03	6.93	11.9	7.33	4.76	4.06	19.89	50.2	60.9
DHC (FEET)	ND	2	10:07	6.92	11.2	7.35	4.77	4.07	17.78	65.3	16.1
DTW (FEET)	7.95	3									
DTB (FEET)	10.25	4									
		5									
CAPACITY PER FOOT	0.653 - 4"	6									
	0.163 - 2"										

SAMPLING DATA

SAMPLE DATE	7/16/24	WEATHER CONDITIONS: Sunny 79°F
DTW (FEET)	7.95	WATER APPEARANCE / ODOR: Brown / No odor
SAMPLE TIME	10:00	COMMENTS: DUP-Collected - DUP-7-16-24

SAMPLE LOG

INSTRUMENTS USED	OIL / WATER INTERFACE PROBE
	PERISTALTIC PUMP
	FLOW THROUGH YSI PARAMETER METER

COMPLETED BY: Hilario Trejo SIGNATURE:

WESTERN REFINING - GALLUP WINGATE FACILITY

2024 ANNUAL GROUNDWATER SAMPLING

WELL ID		TEST PARAMETERS									
WMW-4		Volumes	TIME	pH	Temperature Degrees (°C)	Conductivity (uS/m)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (mg/L)	ORP (mv)	Turbidity (NTU)
GAUGE DATE	6/24/26	Initial	9:45	6.57	11.62	1.893	1.229	0.97	31.13	-182.6	18.6
GAUGE TIME	15:39	1	9:48	6.54	10.26	1.872	1.252	0.95	29.77	-177.0	18.8
DHC (FEET)	ND	2	9:52	6.54	10.27	1.863	1.209	0.94	28.67	-181.0	14.9
DTW (FEET)	7.97	3									
DTB (FEET)	21.03	4									
	13.24	5									
CAPACITY PER FOOT	0.653 - 4"	6									
	0.163 - 2"										

SAMPLING DATA

SAMPLE DATE	6/25	WEATHER CONDITIONS: Sunny 74°F
DTW (FEET)	7.99	WATER APPEARANCE / ODOR: Clear / Lots. Strong Propain Smell
SAMPLE TIME	9:45	COMMENTS:

SAMPLE LOG

INSTRUMENTS USED	OIL / WATER INTERFACE PROBE
	PERISTALTIC PUMP
	FLOW THROUGH YSI PARAMETER METER

COMPLETED BY: Hilario Trejo SIGNATURE:

WESTERN REFINING - GALLUP WINGATE FACILITY

2024 ANNUAL GROUNDWATER SAMPLING

WELL ID		TEST PARAMETERS									
WMW-5		Volumes	TIME	pH	Temperature Degrees (°C)	Conductivity (uS/m)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (mg/L)	ORP (mv)	Turbidity (NTU)
GAUGE DATE	6/25/24	Initial	11:30	7.27	13.9	4.72	3.071	2.54	4.56	-176.7	1.98
GAUGE TIME	15:55	1	11:33	7.26	13.0	4.78	3.059	2.53	4.34	-178.0	1.27
DHC (FEET)	ND	2	11:37	7.20	12.8	4.698	3.053	2.53	4.01	-176.9	1.55
DTW (FEET)	6.43	3									
DTB (FEET)	20.14	4									
		5									
CAPACITY PER FOOT	0.653 - 4" 0.163 - 2"	6									

SAMPLING DATA

SAMPLE DATE	6/26/24	WEATHER CONDITIONS: Sunny 82°F 6mph NW wind
DTW (FEET)	6.45	WATER APPEARANCE / ODOR:
SAMPLE TIME	11:30	COMMENTS:

SAMPLE LOG

INSTRUMENTS USED	OIL / WATER INTERFACE PROBE
	PERISTALTIC PUMP
	FLOW THROUGH YSI PARAMETER METER

COMPLETED BY: Hilario Trejo SIGNATURE:

WESTERN REFINING - GALLUP WINGATE FACILITY

2024 ANNUAL GROUNDWATER SAMPLING

WELL ID		TEST PARAMETERS									
WMW-6		Volumes	TIME	pH	Temperature Degrees (°C)	Conductivity (uS/m)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (mg/L)	ORP (mv)	Turbidity (NTU)
GAUGE DATE	7/16/24	Initial	11:15	6.43	11.06	1.29	0.840	0.65	2.07	-38.9	1.84
GAUGE TIME	11:15	1	11:18	6.42	11.15	1.28	0.836	0.65	2.03	-69.9	1.88
DHC (FEET)	ND	2	11:23	6.40	10.92	1.28	0.834	0.64	1.68	-67.9	1.46
DTW (FEET)	12.53	3									
DTB (FEET)	36.91	4									
		5									
CAPACITY PER FOOT	0.653 - 4"	6									
	0.163 - 2"										

SAMPLING DATA

SAMPLE DATE	7/16/24	WEATHER CONDITIONS: Sunny 84°F
DTW (FEET)	12.53	WATER APPEARANCE / ODOR: Clear/No odor
SAMPLE TIME	11:15	COMMENTS:

SAMPLE LOG

INSTRUMENTS USED	OIL / WATER INTERFACE PROBE
	PERISTALTIC PUMP
	FLOW THROUGH YSI PARAMETER METER

COMPLETED BY: Hilario Trejo SIGNATURE:

WESTERN REFINING - GALLUP WINGATE FACILITY

2024 ANNUAL GROUNDWATER SAMPLING

WELL ID		TEST PARAMETERS									
WMW-7		Volumes	TIME	pH	Temperature Degrees (°C)	Conductivity (uS/m)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (mg/L)	ORP (mv)	Turbidity (NTU)
GAUGE DATE	6/25/24	Initial	9:00	6.60	10.3	2.93	1.90	1.53	38.38	-150.5	2.49
GAUGE TIME	15:35	1	9:03	5.95	9.6	2.93	1.91	1.53	36.61	-150.6	1.75
DHC (FEET)	8.56	2	9:06	5.91	9.5	2.94	1.91	1.53	34.80	-149.0	2.32
DTW (FEET)	17.82	3									
DTB (FEET)		4									
		5									
CAPACITY PER FOOT	0.653 - 4"	6									
	0.163 - 2"										

SAMPLING DATA

SAMPLE DATE	6/27/24	WEATHER CONDITIONS: Sunny 73°F
DTW (FEET)	8.51	WATER APPEARANCE / ODOR: Clear / Slight Odor
SAMPLE TIME	9:00	COMMENTS: DUP Collected - DUP-6-27-24

SAMPLE LOG

INSTRUMENTS USED	OIL / WATER INTERFACE PROBE
	PERISTALTIC PUMP
	FLOW THROUGH YSI PARAMETER METER

COMPLETED BY: Hilario Trejo SIGNATURE:

WESTERN REFINING - GALLUP WINGATE FACILITY

2024 ANNUAL GROUNDWATER SAMPLING

WELL ID		TEST PARAMETERS									
WMW-8		Volumes	TIME	pH	Temperature Degrees (°C)	Conductivity (uS/m)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (mg/L)	ORP (mv)	Turbidity (NTU)
GAUGE DATE	7/16/24	Initial	9:30	6.07	9.70	1.119	0.727	0.56	43.77	-60.4	6.91
GAUGE TIME	9:30	1	9:33	6.07	9.40	1.113	0.732	0.56	45.35	-70.3	0.75
DHC (FEET)	ND	2	9:37	6.06	9.39	1.106	0.719	0.55	41.65	-74.3	2.38
DTW (FEET)	8.10	3									
DTB (FEET)	38.95	4									
		5									
CAPACITY PER FOOT	0.653 - 4"	6									
	0.163 - 2"										

SAMPLING DATA

SAMPLE DATE	7/16/24	WEATHER CONDITIONS: Sunny 73°F
DTW (FEET)	8.16	WATER APPEARANCE / ODOR: Clear / No odor
SAMPLE TIME	9:30	COMMENTS:

SAMPLE LOG

INSTRUMENTS USED	OIL / WATER INTERFACE PROBE
	PERISTALTIC PUMP
	FLOW THROUGH YSI PARAMETER METER

COMPLETED BY: Hilario Trejo SIGNATURE:

WESTERN REFINING - GALLUP WINGATE FACILITY

2024 ANNUAL GROUNDWATER SAMPLING

WELL ID		TEST PARAMETERS									
WMW-9		Volumes	TIME	pH	Temperature Degrees (°C)	Conductivity (uS/m)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (mg/L)	ORP (mv)	Turbidity (NTU)
GAUGE DATE	6/25/24	Initial	12:00	6.63	10.0	2.88	1.870	1.50	3.50	-287.3	0.01
GAUGE TIME	15:17	1	12:03	6.47	9.9	2.84	1.846	1.48	4.40	-300.3	1.79
DHC (FEET)	ND	2	12:06	6.42	9.8	2.80	1.820	1.46	5.40	-298.6	30.7
DTW (FEET)	6.32	3									81.4
DTB (FEET)	15.30	4									
		5									
CAPACITY PER FOOT	0.653 - 4"	6									
	0.163 - 2"										

SAMPLING DATA

SAMPLE DATE	6/26/24	WEATHER CONDITIONS: Sunny 83°F.
DTW (FEET)	6.31	WATER APPEARANCE / ODOR: Grayish / Sweat Smell odor
SAMPLE TIME	17:00	COMMENTS:

SAMPLE LOG

INSTRUMENTS USED	OIL / WATER INTERFACE PROBE
	PERISTALTIC PUMP
	FLOW THROUGH YSI PARAMETER METER

COMPLETED BY: Hilario Trejo SIGNATURE:

WESTERN REFINING - GALLUP WINGATE FACILITY

2024 ANNUAL GROUNDWATER SAMPLING

WELL ID		TEST PARAMETERS									
WMW-10		Volumes	TIME	pH	Temperature Degrees (°C)	Conductivity (uS/m)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (mg/L)	ORP (mv)	Turbidity (NTU)
GAUGE DATE	6/25/24	Initial	8:35	6.44	10.5	3.60	2.34	1.90	12.82	-237.1	1.40
GAUGE TIME	15:20	1	8:38	6.44	10.1	3.63	2.32	1.90	9.69	-229.0	2.62
DHC (FEET)	ND	2	8:41	6.64	9.7	3.64	2.37	1.93	9.54	-226.4	2.26
DTW (FEET)	5.64	3									
DTB (FEET)	13.98	4									
		5									
CAPACITY PER FOOT	0.653 - 4"	6									
	0.163 - 2"										

SAMPLING DATA

SAMPLE DATE	6/27/24	WEATHER CONDITIONS: Sunny 73°F
DTW (FEET)	5.66	WATER APPEARANCE / ODOR: Grayish / Strong Propain odor
SAMPLE TIME	8:35	COMMENTS:

SAMPLE LOG

INSTRUMENTS USED	OIL / WATER INTERFACE PROBE
	PERISTALTIC PUMP
	FLOW THROUGH YSI PARAMETER METER

COMPLETED BY: Hilario Trejo SIGNATURE:

WESTERN REFINING - GALLUP WINGATE FACILITY

2024 ANNUAL GROUNDWATER SAMPLING

WELL ID		TEST PARAMETERS									
WMW-11		Volumes	TIME	pH	Temperature Degrees (°C)	Conductivity (uS/m)	TDS (g/L)	Salinity (ppt)	Dissolved Oxygen (mg/L)	ORP (mv)	Turbidity (NTU)
GAUGE DATE	6/27/24	Initial	9:46	6.88	10.6	8.68	4.27	3.67	30.87	-134.7	4.27
GAUGE TIME	9:45	1	9:49	6.87	10.0	6.50	4.21	3.57	30.27	-130.1	4.21
DHC (FEET)	ND	2	9:53	6.86	10.1	6.74	4.58	3.52	32.59	-126.7	4.58
DTW (FEET)	18.56	3									
DTB (FEET)	24.65	4									
		5									
CAPACITY PER FOOT	0.653 - 4"	6									
	0.163 - 2"										

SAMPLING DATA

SAMPLE DATE	6/27/24	WEATHER CONDITIONS: Sunny 74°F
DTW (FEET)	18.56	WATER APPEARANCE / ODOR: Brown / No odor
SAMPLE TIME	9:46	COMMENTS:

SAMPLE LOG

INSTRUMENTS USED	OIL / WATER INTERFACE PROBE
	PERISTALTIC PUMP
	FLOW THROUGH YSI PARAMETER METER

COMPLETED BY: Hilario Trejo SIGNATURE:

Appendix B. Laboratory Reports - Please see attached CD

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Caitlin Fields
Trihydro Corporation
1252 Commerce Drive
Laramie, Wyoming 82070

Generated 7/26/2024 10:14:30 AM

JOB DESCRIPTION

Wingate 2023 Annual GW Sampling

JOB NUMBER

885-7007-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
7/26/2024 10:14:30 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Table of Contents

Definitions/Glossary

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

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

Case Narrative

Client: Trihydro Corporation
Project: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Job ID: 885-7007-1 Eurofins Albuquerque

Job Narrative
885-7007-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/27/2024 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.9°C and 5.0°C.

Receipt Exceptions
The container count for the following samples did not match what was listed on the Chain-of-Custody (COC): EB-6-26-24 (885-7007-1), DUP-6-26-24 (885-7007-2), Trip Blank (885-7007-3), WMW-1R (885-7007-4), WMW-2 (885-7007-5), WMW-4 (885-7007-6), WMW-5 (885-7007-7), WMW-9 (885-7007-8) and FB-6-26-24 (885-7007-9).
The laboratory received 2 total containers, while the COC lists 3 total containers.

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

GC/MS Semi VOA
Method 8270C: The following sample was diluted due to the nature of the sample matrix: DUP-6-26-24 (885-7007-2). Elevated reporting limits (RLs) are provided.

Method 8270C: The following sample was diluted due to the nature of the sample matrix: WMW-1R (885-7007-4). Elevated reporting limits (RLs) are provided.

Method 8270C: The following sample was diluted due to the nature of the sample matrix: WMW-2 (885-7007-5). Elevated reporting limits (RLs) are provided.

Method 8270C: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: WMW-5 (885-7007-7). These results have been reported and qualified.

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

HPLC/IC
Method 300_OF_48H_PREC: The following samples were diluted due to the nature of the sample matrix: WMW-4 (885-7007-6), WMW-5 (885-7007-7) and WMW-9 (885-7007-8). Elevated reporting limits (RLs) are provided.

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

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

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

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: EB-6-26-24

Date Collected: 06/26/24 08:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/10/24 08:10	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/10/24 08:10	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/10/24 08:10	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/10/24 08:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/10/24 08:10	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/10/24 08:10	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/10/24 08:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/10/24 08:10	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/10/24 08:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/10/24 08:10	1
1,2,4-Trimethylbenzene	**0.33**	**J**	1.0	0.12	ug/L			07/10/24 08:10	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/10/24 08:10	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/10/24 08:10	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/10/24 08:10	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/10/24 08:10	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/10/24 08:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/10/24 08:10	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/10/24 08:10	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/10/24 08:10	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/10/24 08:10	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 08:10	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/10/24 08:10	1
2-Butanone	ND		10	2.0	ug/L			07/10/24 08:10	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 08:10	1
2-Hexanone	ND		10	1.8	ug/L			07/10/24 08:10	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 08:10	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 08:10	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/10/24 08:10	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/10/24 08:10	1
Acetone	ND		10	2.5	ug/L			07/10/24 08:10	1
Benzene	ND		1.0	0.23	ug/L			07/10/24 08:10	1
Bromobenzene	ND		1.0	0.28	ug/L			07/10/24 08:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/10/24 08:10	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/10/24 08:10	1
Bromoform	ND		1.0	0.31	ug/L			07/10/24 08:10	1
Bromomethane	ND		3.0	1.0	ug/L			07/10/24 08:10	1
Carbon disulfide	ND		10	1.0	ug/L			07/10/24 08:10	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/10/24 08:10	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/10/24 08:10	1
Chloroethane	ND		2.0	0.38	ug/L			07/10/24 08:10	1
Chloroform	ND		1.0	0.25	ug/L			07/10/24 08:10	1
Chloromethane	ND		3.0	0.41	ug/L			07/10/24 08:10	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/10/24 08:10	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/10/24 08:10	1
Dibromomethane	ND		1.0	0.31	ug/L			07/10/24 08:10	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/10/24 08:10	1
Ethylbenzene	**0.21**	**J**	1.0	0.21	ug/L			07/10/24 08:10	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/10/24 08:10	1
Isopropylbenzene	**0.21**	**J**	1.0	0.18	ug/L			07/10/24 08:10	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: EB-6-26-24

Date Collected: 06/26/24 08:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/10/24 08:10	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/10/24 08:10	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/10/24 08:10	1
N-Propylbenzene	**0.25**	**J**	1.0	0.11	ug/L			07/10/24 08:10	1
Naphthalene	**0.26**	**J**	2.0	0.24	ug/L			07/10/24 08:10	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/10/24 08:10	1
Styrene	ND		1.0	0.14	ug/L			07/10/24 08:10	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/10/24 08:10	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/10/24 08:10	1
Toluene	ND		1.0	0.25	ug/L			07/10/24 08:10	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/10/24 08:10	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/10/24 08:10	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/10/24 08:10	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/10/24 08:10	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/10/24 08:10	1
Xylenes, Total	**0.71**	**J**	1.5	0.37	ug/L			07/10/24 08:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*07/10/24 08:10*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/10/24 08:10*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*07/10/24 08:10*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*07/10/24 08:10*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		06/28/24 06:56	07/17/24 09:47	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		06/28/24 06:56	07/17/24 09:47	1
1,3-Dichlorobenzene	ND		12	11	ug/L		06/28/24 06:56	07/17/24 09:47	1
1,4-Dichlorobenzene	ND		12	10	ug/L		06/28/24 06:56	07/17/24 09:47	1
1-Methylnaphthalene	ND		10	8.5	ug/L		06/28/24 06:56	07/17/24 09:47	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		06/28/24 06:56	07/17/24 09:47	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		06/28/24 06:56	07/17/24 09:47	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		06/28/24 06:56	07/17/24 09:47	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		06/28/24 06:56	07/17/24 09:47	1
2,4-Dinitrophenol	ND		30	27	ug/L		06/28/24 06:56	07/17/24 09:47	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		06/28/24 06:56	07/17/24 09:47	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		06/28/24 06:56	07/17/24 09:47	1
2-Chloronaphthalene	ND		10	8.7	ug/L		06/28/24 06:56	07/17/24 09:47	1
2-Chlorophenol	ND		20	11	ug/L		06/28/24 06:56	07/17/24 09:47	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		06/28/24 06:56	07/17/24 09:47	1
2-Methylphenol	ND		10	4.7	ug/L		06/28/24 06:56	07/17/24 09:47	1
2-Nitroaniline	ND		10	5.5	ug/L		06/28/24 06:56	07/17/24 09:47	1
2-Nitrophenol	ND		10	4.4	ug/L		06/28/24 06:56	07/17/24 09:47	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		06/28/24 06:56	07/17/24 09:47	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		06/28/24 06:56	07/17/24 09:47	1
3-Nitroaniline	ND		20	15	ug/L		06/28/24 06:56	07/17/24 09:47	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		06/28/24 06:56	07/17/24 09:47	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		06/28/24 06:56	07/17/24 09:47	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		06/28/24 06:56	07/17/24 09:47	1
4-Chloroaniline	ND		5.0	4.7	ug/L		06/28/24 06:56	07/17/24 09:47	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: EB-6-26-24

Date Collected: 06/26/24 08:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-1

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		06/28/24 06:56	07/17/24 09:47	1
4-Nitroaniline	ND		5.0	4.5	ug/L		06/28/24 06:56	07/17/24 09:47	1
4-Nitrophenol	ND		10	5.3	ug/L		06/28/24 06:56	07/17/24 09:47	1
Acenaphthene	ND		10	7.7	ug/L		06/28/24 06:56	07/17/24 09:47	1
Acenaphthylene	ND		5.0	4.6	ug/L		06/28/24 06:56	07/17/24 09:47	1
Aniline	ND		10	5.4	ug/L		06/28/24 06:56	07/17/24 09:47	1
Anthracene	ND		5.0	3.9	ug/L		06/28/24 06:56	07/17/24 09:47	1
Azobenzene	ND		10	3.8	ug/L		06/28/24 06:56	07/17/24 09:47	1
Benzo[a]anthracene	ND		10	6.7	ug/L		06/28/24 06:56	07/17/24 09:47	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		06/28/24 06:56	07/17/24 09:47	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		06/28/24 06:56	07/17/24 09:47	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		06/28/24 06:56	07/17/24 09:47	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		06/28/24 06:56	07/17/24 09:47	1
Benzoic acid	ND		20	15	ug/L		06/28/24 06:56	07/17/24 09:47	1
Benzyl alcohol	ND		5.0	4.8	ug/L		06/28/24 06:56	07/17/24 09:47	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		06/28/24 06:56	07/17/24 09:47	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		06/28/24 06:56	07/17/24 09:47	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		06/28/24 06:56	07/17/24 09:47	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		06/28/24 06:56	07/17/24 09:47	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		06/28/24 06:56	07/17/24 09:47	1
Carbazole	ND		10	5.3	ug/L		06/28/24 06:56	07/17/24 09:47	1
Chrysene	ND		5.0	4.7	ug/L		06/28/24 06:56	07/17/24 09:47	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		06/28/24 06:56	07/17/24 09:47	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		06/28/24 06:56	07/17/24 09:47	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		06/28/24 06:56	07/17/24 09:47	1
Dibenzofuran	ND		10	4.9	ug/L		06/28/24 06:56	07/17/24 09:47	1
Diethyl phthalate	ND		10	5.6	ug/L		06/28/24 06:56	07/17/24 09:47	1
Dimethyl phthalate	ND		10	5.4	ug/L		06/28/24 06:56	07/17/24 09:47	1
Fluoranthene	ND		10	5.5	ug/L		06/28/24 06:56	07/17/24 09:47	1
Fluorene	ND		5.0	4.7	ug/L		06/28/24 06:56	07/17/24 09:47	1
Hexachlorobenzene	ND		20	4.6	ug/L		06/28/24 06:56	07/17/24 09:47	1
Hexachlorobutadiene	ND		20	11	ug/L		06/28/24 06:56	07/17/24 09:47	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		06/28/24 06:56	07/17/24 09:47	1
Hexachloroethane	ND		20	11	ug/L		06/28/24 06:56	07/17/24 09:47	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		06/28/24 06:56	07/17/24 09:47	1
Isophorone	ND		5.0	4.3	ug/L		06/28/24 06:56	07/17/24 09:47	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		06/28/24 06:56	07/17/24 09:47	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		06/28/24 06:56	07/17/24 09:47	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		06/28/24 06:56	07/17/24 09:47	1
Naphthalene	ND		5.0	3.3	ug/L		06/28/24 06:56	07/17/24 09:47	1
Nitrobenzene	ND		5.0	3.6	ug/L		06/28/24 06:56	07/17/24 09:47	1
Pentachlorophenol	ND		20	15	ug/L		06/28/24 06:56	07/17/24 09:47	1
Phenanthrene	ND		5.0	4.8	ug/L		06/28/24 06:56	07/17/24 09:47	1
Phenol	ND		10	3.9	ug/L		06/28/24 06:56	07/17/24 09:47	1
Pyrene	ND		10	5.2	ug/L		06/28/24 06:56	07/17/24 09:47	1
Pyridine	ND		20	2.6	ug/L		06/28/24 06:56	07/17/24 09:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*28*		*15 - 130*	*06/28/24 06:56*	*07/17/24 09:47*	*1*
2-Fluorophenol (Surr)	*38*		*15 - 130*	*06/28/24 06:56*	*07/17/24 09:47*	*1*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: EB-6-26-24

Date Collected: 06/26/24 08:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-1

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*15 - 130*	*06/28/24 06:56*	*07/17/24 09:47*	*1*
Nitrobenzene-d5 (Surr)	*44*		*29 - 130*	*06/28/24 06:56*	*07/17/24 09:47*	*1*
2-Fluorobiphenyl (Surr)	*42*		*20 - 130*	*06/28/24 06:56*	*07/17/24 09:47*	*1*
p-Terphenyl-d14 (Surr)	*58*		*41 - 130*	*06/28/24 06:56*	*07/17/24 09:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.25	mg/L			06/28/24 03:01	1
Sulfate	ND		0.50	0.25	mg/L			06/28/24 03:01	1
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			06/28/24 03:01	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.00050	0.000076	mg/L		06/28/24 10:13	07/02/24 15:24	1

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.020	0.00074	mg/L			07/02/24 09:15	1
Cadmium	ND		0.0020	0.00083	mg/L			07/02/24 09:15	1
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 09:15	1
Silver	ND		0.0050	0.0012	mg/L			07/02/24 09:15	1
Calcium	ND		1.0	0.089	mg/L			07/02/24 09:15	1
Sodium	ND		1.0	0.30	mg/L			07/02/24 09:15	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			07/19/24 17:43	20
Lead	ND		0.020	0.010	mg/L			07/19/24 17:43	20
Selenium	ND		0.020	0.016	mg/L			07/23/24 13:47	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 10:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	ND		50	25	mg/L			07/02/24 10:24	1
Total Alkalinity as CaCO3 (SM 2320B)	ND		20	20	mg/L			07/08/24 17:21	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	ND		20	20	mg/L			07/08/24 17:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			07/08/24 17:21	1
pH (SM 4500 H+ B)	**5.4**	**HF**	0.1	0.1	SU			07/08/24 17:21	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: DUP-6-26-24

Date Collected: 06/26/24 00:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.53	ug/L			07/10/24 08:38	2
1,1,1-Trichloroethane	ND		2.0	0.16	ug/L			07/10/24 08:38	2
1,1,2,2-Tetrachloroethane	ND		4.0	0.55	ug/L			07/10/24 08:38	2
1,1,2-Trichloroethane	ND		2.0	0.40	ug/L			07/10/24 08:38	2
1,1-Dichloroethane	ND		2.0	0.61	ug/L			07/10/24 08:38	2
1,1-Dichloroethene	ND		2.0	0.40	ug/L			07/10/24 08:38	2
1,1-Dichloropropene	ND		2.0	0.36	ug/L			07/10/24 08:38	2
1,2,3-Trichlorobenzene	ND		2.0	0.50	ug/L			07/10/24 08:38	2
1,2,3-Trichloropropane	ND		4.0	0.32	ug/L			07/10/24 08:38	2
1,2,4-Trichlorobenzene	ND		2.0	0.80	ug/L			07/10/24 08:38	2
1,2,4-Trimethylbenzene	ND		2.0	0.24	ug/L			07/10/24 08:38	2
1,2-Dibromo-3-Chloropropane	ND		4.0	1.2	ug/L			07/10/24 08:38	2
1,2-Dibromoethane (EDB)	ND		2.0	0.61	ug/L			07/10/24 08:38	2
1,2-Dichlorobenzene	ND		2.0	0.31	ug/L			07/10/24 08:38	2
1,2-Dichloroethane (EDC)	ND		2.0	0.60	ug/L			07/10/24 08:38	2
1,2-Dichloropropane	ND		2.0	0.40	ug/L			07/10/24 08:38	2
1,3,5-Trimethylbenzene	ND		2.0	0.36	ug/L			07/10/24 08:38	2
1,3-Dichlorobenzene	ND		2.0	0.32	ug/L			07/10/24 08:38	2
1,3-Dichloropropane	ND		2.0	0.36	ug/L			07/10/24 08:38	2
1,4-Dichlorobenzene	ND		2.0	0.21	ug/L			07/10/24 08:38	2
1-Methylnaphthalene	ND		8.0	4.0	ug/L			07/10/24 08:38	2
2,2-Dichloropropane	ND		4.0	0.52	ug/L			07/10/24 08:38	2
2-Butanone	ND		20	4.1	ug/L			07/10/24 08:38	2
2-Chlorotoluene	ND		2.0	0.26	ug/L			07/10/24 08:38	2
2-Hexanone	ND		20	3.6	ug/L			07/10/24 08:38	2
2-Methylnaphthalene	ND		8.0	4.0	ug/L			07/10/24 08:38	2
4-Chlorotoluene	ND		2.0	0.27	ug/L			07/10/24 08:38	2
4-Isopropyltoluene	ND		2.0	0.40	ug/L			07/10/24 08:38	2
4-Methyl-2-pentanone	ND		20	3.0	ug/L			07/10/24 08:38	2
Acetone	**5.3**	**J**	20	5.0	ug/L			07/10/24 08:38	2
Benzene	ND		2.0	0.45	ug/L			07/10/24 08:38	2
Bromobenzene	ND		2.0	0.57	ug/L			07/10/24 08:38	2
Bromodichloromethane	ND		2.0	0.41	ug/L			07/10/24 08:38	2
Dibromochloromethane	ND		2.0	0.57	ug/L			07/10/24 08:38	2
Bromoform	ND		2.0	0.63	ug/L			07/10/24 08:38	2
Bromomethane	ND		6.0	2.0	ug/L			07/10/24 08:38	2
Carbon disulfide	ND		20	2.0	ug/L			07/10/24 08:38	2
Carbon tetrachloride	ND		2.0	0.35	ug/L			07/10/24 08:38	2
Chlorobenzene	ND		2.0	0.92	ug/L			07/10/24 08:38	2
Chloroethane	ND		4.0	0.75	ug/L			07/10/24 08:38	2
Chloroform	ND		2.0	0.50	ug/L			07/10/24 08:38	2
Chloromethane	ND		6.0	0.82	ug/L			07/10/24 08:38	2
cis-1,2-Dichloroethene	ND		2.0	0.78	ug/L			07/10/24 08:38	2
cis-1,3-Dichloropropene	ND		2.0	0.23	ug/L			07/10/24 08:38	2
Dibromomethane	ND		2.0	0.62	ug/L			07/10/24 08:38	2
Dichlorodifluoromethane	ND		2.0	0.51	ug/L			07/10/24 08:38	2
Ethylbenzene	ND		2.0	0.43	ug/L			07/10/24 08:38	2
Hexachlorobutadiene	ND		2.0	0.83	ug/L			07/10/24 08:38	2
Isopropylbenzene	ND		2.0	0.37	ug/L			07/10/24 08:38	2

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: DUP-6-26-24

Date Collected: 06/26/24 00:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		2.0	0.79	ug/L			07/10/24 08:38	2
Methylene Chloride	ND		6.0	2.5	ug/L			07/10/24 08:38	2
n-Butylbenzene	ND		6.0	0.25	ug/L			07/10/24 08:38	2
N-Propylbenzene	**0.50**	**J**	2.0	0.22	ug/L			07/10/24 08:38	2
Naphthalene	**0.49**	**J**	4.0	0.48	ug/L			07/10/24 08:38	2
sec-Butylbenzene	ND		2.0	0.29	ug/L			07/10/24 08:38	2
Styrene	ND		2.0	0.27	ug/L			07/10/24 08:38	2
tert-Butylbenzene	ND		2.0	0.49	ug/L			07/10/24 08:38	2
Tetrachloroethene (PCE)	ND		2.0	0.36	ug/L			07/10/24 08:38	2
Toluene	ND		2.0	0.50	ug/L			07/10/24 08:38	2
trans-1,2-Dichloroethene	ND		2.0	0.39	ug/L			07/10/24 08:38	2
trans-1,3-Dichloropropene	ND		2.0	0.68	ug/L			07/10/24 08:38	2
Trichloroethene (TCE)	ND		2.0	0.41	ug/L			07/10/24 08:38	2
Trichlorofluoromethane	ND		2.0	0.32	ug/L			07/10/24 08:38	2
Vinyl chloride	ND		2.0	0.64	ug/L			07/10/24 08:38	2
Xylenes, Total	**0.92**	**J**	3.0	0.75	ug/L			07/10/24 08:38	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*07/10/24 08:38*	*2*
Toluene-d8 (Surr)	*104*		*70 - 130*		*07/10/24 08:38*	*2*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*07/10/24 08:38*	*2*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*07/10/24 08:38*	*2*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	D	100	81	ug/L		06/28/24 06:56	07/17/24 10:29	10
1,2-Dichlorobenzene	ND	D	100	99	ug/L		06/28/24 06:56	07/17/24 10:29	10
1,3-Dichlorobenzene	ND	D	120	110	ug/L		06/28/24 06:56	07/17/24 10:29	10
1,4-Dichlorobenzene	ND	D	120	100	ug/L		06/28/24 06:56	07/17/24 10:29	10
1-Methylnaphthalene	ND	D	100	85	ug/L		06/28/24 06:56	07/17/24 10:29	10
2,4,5-Trichlorophenol	ND	D	100	51	ug/L		06/28/24 06:56	07/17/24 10:29	10
2,4,6-Trichlorophenol	ND	D	100	43	ug/L		06/28/24 06:56	07/17/24 10:29	10
2,4-Dichlorophenol	ND	D	50	38	ug/L		06/28/24 06:56	07/17/24 10:29	10
2,4-Dimethylphenol	ND	D	100	48	ug/L		06/28/24 06:56	07/17/24 10:29	10
2,4-Dinitrophenol	ND	D	300	270	ug/L		06/28/24 06:56	07/17/24 10:29	10
2,4-Dinitrotoluene	ND	D	50	50	ug/L		06/28/24 06:56	07/17/24 10:29	10
2,6-Dinitrotoluene	ND	D	100	77	ug/L		06/28/24 06:56	07/17/24 10:29	10
2-Chloronaphthalene	ND	D	100	87	ug/L		06/28/24 06:56	07/17/24 10:29	10
2-Chlorophenol	ND	D	200	110	ug/L		06/28/24 06:56	07/17/24 10:29	10
2-Methylnaphthalene	ND	D	50	28	ug/L		06/28/24 06:56	07/17/24 10:29	10
2-Methylphenol	ND	D	100	47	ug/L		06/28/24 06:56	07/17/24 10:29	10
2-Nitroaniline	ND	D	100	55	ug/L		06/28/24 06:56	07/17/24 10:29	10
2-Nitrophenol	ND	D	100	44	ug/L		06/28/24 06:56	07/17/24 10:29	10
3 & 4 Methylphenol	ND	D	100	49	ug/L		06/28/24 06:56	07/17/24 10:29	10
3,3'-Dichlorobenzidine	ND	D	100	62	ug/L		06/28/24 06:56	07/17/24 10:29	10
3-Nitroaniline	ND	D	200	150	ug/L		06/28/24 06:56	07/17/24 10:29	10
4,6-Dinitro-2-methylphenol	ND	D	200	190	ug/L		06/28/24 06:56	07/17/24 10:29	10
4-Bromophenyl phenyl ether	ND	D	50	39	ug/L		06/28/24 06:56	07/17/24 10:29	10
4-Chloro-3-methylphenol	ND	D	50	46	ug/L		06/28/24 06:56	07/17/24 10:29	10
4-Chloroaniline	ND	D	50	47	ug/L		06/28/24 06:56	07/17/24 10:29	10

Client Sample Results

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

Client Sample ID: DUP-6-26-24
Lab Sample ID: 885-7007-2
Date Collected: 06/26/24 00:00
Matrix: Water
Date Received: 06/27/24 07:30

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND	D	50	39	ug/L		06/28/24 06:56	07/17/24 10:29	10
4-Nitroaniline	ND	D	50	45	ug/L		06/28/24 06:56	07/17/24 10:29	10
4-Nitrophenol	ND	D	100	53	ug/L		06/28/24 06:56	07/17/24 10:29	10
Acenaphthene	ND	D	100	77	ug/L		06/28/24 06:56	07/17/24 10:29	10
Acenaphthylene	ND	D	50	46	ug/L		06/28/24 06:56	07/17/24 10:29	10
Aniline	ND	D	100	54	ug/L		06/28/24 06:56	07/17/24 10:29	10
Anthracene	ND	D	50	39	ug/L		06/28/24 06:56	07/17/24 10:29	10
Azobenzene	ND	D	100	38	ug/L		06/28/24 06:56	07/17/24 10:29	10
Benzo[a]anthracene	ND	D	100	67	ug/L		06/28/24 06:56	07/17/24 10:29	10
Benzo[a]pyrene	ND	D	50	49	ug/L		06/28/24 06:56	07/17/24 10:29	10
Benzo[b]fluoranthene	ND	D	100	58	ug/L		06/28/24 06:56	07/17/24 10:29	10
Benzo[g,h,i]perylene	ND	D	50	49	ug/L		06/28/24 06:56	07/17/24 10:29	10
Benzo[k]fluoranthene	ND	D	100	47	ug/L		06/28/24 06:56	07/17/24 10:29	10
Benzoic acid	ND	D	200	150	ug/L		06/28/24 06:56	07/17/24 10:29	10
Benzyl alcohol	ND	D	50	48	ug/L		06/28/24 06:56	07/17/24 10:29	10
Bis(2-ethylhexyl) phthalate	ND	D	100	98	ug/L		06/28/24 06:56	07/17/24 10:29	10
bis (2-Chloroisopropyl) ether	ND	D	50	36	ug/L		06/28/24 06:56	07/17/24 10:29	10
Bis(2-chloroethoxy)methane	ND	D	100	43	ug/L		06/28/24 06:56	07/17/24 10:29	10
Bis(2-chloroethyl)ether	ND	D	100	50	ug/L		06/28/24 06:56	07/17/24 10:29	10
Butyl benzyl phthalate	ND	D	100	65	ug/L		06/28/24 06:56	07/17/24 10:29	10
Carbazole	ND	D	100	53	ug/L		06/28/24 06:56	07/17/24 10:29	10
Chrysene	ND	D	50	47	ug/L		06/28/24 06:56	07/17/24 10:29	10
Di-n-butyl phthalate	ND	D	100	54	ug/L		06/28/24 06:56	07/17/24 10:29	10
Di-n-octyl phthalate	ND	D	100	76	ug/L		06/28/24 06:56	07/17/24 10:29	10
Dibenz(a,h)anthracene	ND	D	100	67	ug/L		06/28/24 06:56	07/17/24 10:29	10
Dibenzofuran	ND	D	100	49	ug/L		06/28/24 06:56	07/17/24 10:29	10
Diethyl phthalate	ND	D	100	56	ug/L		06/28/24 06:56	07/17/24 10:29	10
Dimethyl phthalate	ND	D	100	54	ug/L		06/28/24 06:56	07/17/24 10:29	10
Fluoranthene	ND	D	100	55	ug/L		06/28/24 06:56	07/17/24 10:29	10
Fluorene	ND	D	50	47	ug/L		06/28/24 06:56	07/17/24 10:29	10
Hexachlorobenzene	ND	D	200	46	ug/L		06/28/24 06:56	07/17/24 10:29	10
Hexachlorobutadiene	ND	D	200	110	ug/L		06/28/24 06:56	07/17/24 10:29	10
Hexachlorocyclopentadiene	ND	D	200	89	ug/L		06/28/24 06:56	07/17/24 10:29	10
Hexachloroethane	ND	D	200	110	ug/L		06/28/24 06:56	07/17/24 10:29	10
Indeno[1,2,3-cd]pyrene	ND	D	100	53	ug/L		06/28/24 06:56	07/17/24 10:29	10
Isophorone	ND	D	50	43	ug/L		06/28/24 06:56	07/17/24 10:29	10
N-Nitrosodi-n-propylamine	ND	D	50	37	ug/L		06/28/24 06:56	07/17/24 10:29	10
N-Nitrosodimethylamine	ND	D	50	31	ug/L		06/28/24 06:56	07/17/24 10:29	10
N-Nitrosodiphenylamine	ND	D	100	52	ug/L		06/28/24 06:56	07/17/24 10:29	10
Naphthalene	ND	D	50	33	ug/L		06/28/24 06:56	07/17/24 10:29	10
Nitrobenzene	ND	D	50	36	ug/L		06/28/24 06:56	07/17/24 10:29	10
Pentachlorophenol	ND	D	200	150	ug/L		06/28/24 06:56	07/17/24 10:29	10
Phenanthrene	ND	D	50	48	ug/L		06/28/24 06:56	07/17/24 10:29	10
Phenol	ND	D	100	39	ug/L		06/28/24 06:56	07/17/24 10:29	10
Pyrene	ND	D	100	52	ug/L		06/28/24 06:56	07/17/24 10:29	10
Pyridine	ND	D	200	26	ug/L		06/28/24 06:56	07/17/24 10:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*0*	*D S1-*	*15 - 130*	*06/28/24 06:56*	*07/17/24 10:29*	*10*
2-Fluorophenol (Surr)	*0*	*D S1-*	*15 - 130*	*06/28/24 06:56*	*07/17/24 10:29*	*10*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: DUP-6-26-24

Date Collected: 06/26/24 00:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-2

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	0	D S1-	15 - 130	06/28/24 06:56	07/17/24 10:29	10
Nitrobenzene-d5 (Surr)	0	D S1-	29 - 130	06/28/24 06:56	07/17/24 10:29	10
2-Fluorobiphenyl (Surr)	0	D S1-	20 - 130	06/28/24 06:56	07/17/24 10:29	10
p-Terphenyl-d14 (Surr)	0	D S1-	41 - 130	06/28/24 06:56	07/17/24 10:29	10

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81**		5.0	2.5	mg/L			06/28/24 03:53	10
Sulfate	**220**		5.0	2.5	mg/L			06/28/24 03:53	10
Nitrate Nitrite as N	**0.54**	**J**	2.0	0.22	mg/L			06/28/24 03:53	10

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.0036**		0.0025	0.00038	mg/L		06/28/24 10:13	07/02/24 15:32	5

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.063**		0.020	0.00074	mg/L			07/02/24 09:19	1
Cadmium	ND		0.0020	0.00083	mg/L			07/02/24 09:19	1
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 09:19	1
Silver	**0.0012**	**J**	0.0050	0.0012	mg/L			07/02/24 09:19	1
Calcium	**67**		1.0	0.089	mg/L			07/02/24 09:19	1
Sodium	**150**		5.0	1.5	mg/L			07/02/24 09:22	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.023**		0.020	0.010	mg/L			07/19/24 17:47	20
Lead	ND		0.020	0.010	mg/L			07/19/24 17:47	20
Selenium	ND		0.020	0.016	mg/L			07/23/24 13:51	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 10:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**760**		100	50	mg/L			07/02/24 10:24	1
Total Alkalinity as CaCO3 (SM 2320B)	**170**		20	20	mg/L			07/09/24 13:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**170**		20	20	mg/L			07/09/24 13:01	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			07/09/24 13:01	1
pH (SM 4500 H+ B)	**7.7**	**HF**	0.1	0.1	SU			07/09/24 13:01	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: Trip Blank

Lab Sample ID: 885-7007-3

Date Collected: 06/26/24 00:00
Matrix: Water
Date Received: 06/27/24 07:30

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/09/24 18:22	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/09/24 18:22	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/09/24 18:22	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/09/24 18:22	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/09/24 18:22	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/09/24 18:22	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/09/24 18:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/09/24 18:22	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/09/24 18:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/09/24 18:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/09/24 18:22	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/09/24 18:22	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/09/24 18:22	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/09/24 18:22	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/09/24 18:22	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/09/24 18:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/09/24 18:22	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/09/24 18:22	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/09/24 18:22	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/09/24 18:22	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/09/24 18:22	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/09/24 18:22	1
2-Butanone	ND		10	2.0	ug/L			07/09/24 18:22	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/09/24 18:22	1
2-Hexanone	ND		10	1.8	ug/L			07/09/24 18:22	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/09/24 18:22	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/09/24 18:22	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/09/24 18:22	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/09/24 18:22	1
Acetone	ND		10	2.5	ug/L			07/09/24 18:22	1
Benzene	ND		1.0	0.23	ug/L			07/09/24 18:22	1
Bromobenzene	ND		1.0	0.28	ug/L			07/09/24 18:22	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/09/24 18:22	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/09/24 18:22	1
Bromoform	ND		1.0	0.31	ug/L			07/09/24 18:22	1
Bromomethane	ND		3.0	1.0	ug/L			07/09/24 18:22	1
Carbon disulfide	ND		10	1.0	ug/L			07/09/24 18:22	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/09/24 18:22	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/09/24 18:22	1
Chloroethane	ND		2.0	0.38	ug/L			07/09/24 18:22	1
Chloroform	ND		1.0	0.25	ug/L			07/09/24 18:22	1
Chloromethane	ND		3.0	0.41	ug/L			07/09/24 18:22	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/09/24 18:22	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/09/24 18:22	1
Dibromomethane	ND		1.0	0.31	ug/L			07/09/24 18:22	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/09/24 18:22	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/09/24 18:22	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/09/24 18:22	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/09/24 18:22	1

Client Sample Results

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

Client Sample ID: Trip Blank
Lab Sample ID: 885-7007-3

Date Collected: 06/26/24 00:00
Matrix: Water
Date Received: 06/27/24 07:30

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/09/24 18:22	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/09/24 18:22	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/09/24 18:22	1
N-Propylbenzene	**0.25**	**J**	1.0	0.11	ug/L			07/09/24 18:22	1
Naphthalene	**0.25**	**J**	2.0	0.24	ug/L			07/09/24 18:22	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/09/24 18:22	1
Styrene	ND		1.0	0.14	ug/L			07/09/24 18:22	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/09/24 18:22	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/09/24 18:22	1
Toluene	ND		1.0	0.25	ug/L			07/09/24 18:22	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/09/24 18:22	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/09/24 18:22	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/09/24 18:22	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/09/24 18:22	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/09/24 18:22	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/09/24 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*07/09/24 18:22*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/09/24 18:22*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*07/09/24 18:22*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*07/09/24 18:22*	*1*

Client Sample Results

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

Client Sample ID: WMW-1R
Lab Sample ID: 885-7007-4

Date Collected: 06/26/24 10:53
Matrix: Water
Date Received: 06/27/24 07:30

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.53	ug/L			07/10/24 09:07	2
1,1,1-Trichloroethane	ND		2.0	0.16	ug/L			07/10/24 09:07	2
1,1,2,2-Tetrachloroethane	ND		4.0	0.55	ug/L			07/10/24 09:07	2
1,1,2-Trichloroethane	ND		2.0	0.40	ug/L			07/10/24 09:07	2
1,1-Dichloroethane	ND		2.0	0.61	ug/L			07/10/24 09:07	2
1,1-Dichloroethene	ND		2.0	0.40	ug/L			07/10/24 09:07	2
1,1-Dichloropropene	ND		2.0	0.36	ug/L			07/10/24 09:07	2
1,2,3-Trichlorobenzene	ND		2.0	0.50	ug/L			07/10/24 09:07	2
1,2,3-Trichloropropane	ND		4.0	0.32	ug/L			07/10/24 09:07	2
1,2,4-Trichlorobenzene	ND		2.0	0.80	ug/L			07/10/24 09:07	2
1,2,4-Trimethylbenzene	ND		2.0	0.24	ug/L			07/10/24 09:07	2
1,2-Dibromo-3-Chloropropane	ND		4.0	1.2	ug/L			07/10/24 09:07	2
1,2-Dibromoethane (EDB)	ND		2.0	0.61	ug/L			07/10/24 09:07	2
1,2-Dichlorobenzene	ND		2.0	0.31	ug/L			07/10/24 09:07	2
1,2-Dichloroethane (EDC)	ND		2.0	0.60	ug/L			07/10/24 09:07	2
1,2-Dichloropropane	ND		2.0	0.40	ug/L			07/10/24 09:07	2
1,3,5-Trimethylbenzene	ND		2.0	0.36	ug/L			07/10/24 09:07	2
1,3-Dichlorobenzene	ND		2.0	0.32	ug/L			07/10/24 09:07	2
1,3-Dichloropropane	ND		2.0	0.36	ug/L			07/10/24 09:07	2
1,4-Dichlorobenzene	ND		2.0	0.21	ug/L			07/10/24 09:07	2
1-Methylnaphthalene	ND		8.0	4.0	ug/L			07/10/24 09:07	2
2,2-Dichloropropane	ND		4.0	0.52	ug/L			07/10/24 09:07	2
2-Butanone	ND		20	4.1	ug/L			07/10/24 09:07	2
2-Chlorotoluene	ND		2.0	0.26	ug/L			07/10/24 09:07	2
2-Hexanone	ND		20	3.6	ug/L			07/10/24 09:07	2
2-Methylnaphthalene	ND		8.0	4.0	ug/L			07/10/24 09:07	2
4-Chlorotoluene	ND		2.0	0.27	ug/L			07/10/24 09:07	2
4-Isopropyltoluene	ND		2.0	0.40	ug/L			07/10/24 09:07	2
4-Methyl-2-pentanone	ND		20	3.0	ug/L			07/10/24 09:07	2
Acetone	ND		20	5.0	ug/L			07/10/24 09:07	2
Benzene	ND		2.0	0.45	ug/L			07/10/24 09:07	2
Bromobenzene	ND		2.0	0.57	ug/L			07/10/24 09:07	2
Bromodichloromethane	ND		2.0	0.41	ug/L			07/10/24 09:07	2
Dibromochloromethane	ND		2.0	0.57	ug/L			07/10/24 09:07	2
Bromoform	ND		2.0	0.63	ug/L			07/10/24 09:07	2
Bromomethane	ND		6.0	2.0	ug/L			07/10/24 09:07	2
Carbon disulfide	ND		20	2.0	ug/L			07/10/24 09:07	2
Carbon tetrachloride	ND		2.0	0.35	ug/L			07/10/24 09:07	2
Chlorobenzene	ND		2.0	0.92	ug/L			07/10/24 09:07	2
Chloroethane	ND		4.0	0.75	ug/L			07/10/24 09:07	2
Chloroform	ND		2.0	0.50	ug/L			07/10/24 09:07	2
Chloromethane	ND		6.0	0.82	ug/L			07/10/24 09:07	2
cis-1,2-Dichloroethene	ND		2.0	0.78	ug/L			07/10/24 09:07	2
cis-1,3-Dichloropropene	ND		2.0	0.23	ug/L			07/10/24 09:07	2
Dibromomethane	ND		2.0	0.62	ug/L			07/10/24 09:07	2
Dichlorodifluoromethane	ND		2.0	0.51	ug/L			07/10/24 09:07	2
Ethylbenzene	ND		2.0	0.43	ug/L			07/10/24 09:07	2
Hexachlorobutadiene	ND		2.0	0.83	ug/L			07/10/24 09:07	2
Isopropylbenzene	ND		2.0	0.37	ug/L			07/10/24 09:07	2

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Job ID: 885-7007-1

Client Sample ID: WMW-1R

Date Collected: 06/26/24 10:53
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		2.0	0.79	ug/L			07/10/24 09:07	2
Methylene Chloride	ND		6.0	2.5	ug/L			07/10/24 09:07	2
n-Butylbenzene	ND		6.0	0.25	ug/L			07/10/24 09:07	2
N-Propylbenzene	ND		2.0	0.22	ug/L			07/10/24 09:07	2
Naphthalene	ND		4.0	0.48	ug/L			07/10/24 09:07	2
sec-Butylbenzene	ND		2.0	0.29	ug/L			07/10/24 09:07	2
Styrene	ND		2.0	0.27	ug/L			07/10/24 09:07	2
tert-Butylbenzene	ND		2.0	0.49	ug/L			07/10/24 09:07	2
Tetrachloroethene (PCE)	ND		2.0	0.36	ug/L			07/10/24 09:07	2
Toluene	ND		2.0	0.50	ug/L			07/10/24 09:07	2
trans-1,2-Dichloroethene	ND		2.0	0.39	ug/L			07/10/24 09:07	2
trans-1,3-Dichloropropene	ND		2.0	0.68	ug/L			07/10/24 09:07	2
Trichloroethene (TCE)	ND		2.0	0.41	ug/L			07/10/24 09:07	2
Trichlorofluoromethane	ND		2.0	0.32	ug/L			07/10/24 09:07	2
Vinyl chloride	ND		2.0	0.64	ug/L			07/10/24 09:07	2
Xylenes, Total	**0.90**	**J**	3.0	0.75	ug/L			07/10/24 09:07	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*07/10/24 09:07*	*2*
Toluene-d8 (Surr)	*104*		*70 - 130*		*07/10/24 09:07*	*2*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*07/10/24 09:07*	*2*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*07/10/24 09:07*	*2*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	D	100	81	ug/L		06/28/24 06:56	07/17/24 11:12	10
1,2-Dichlorobenzene	ND	D	100	99	ug/L		06/28/24 06:56	07/17/24 11:12	10
1,3-Dichlorobenzene	ND	D	120	110	ug/L		06/28/24 06:56	07/17/24 11:12	10
1,4-Dichlorobenzene	ND	D	120	100	ug/L		06/28/24 06:56	07/17/24 11:12	10
1-Methylnaphthalene	ND	D	100	85	ug/L		06/28/24 06:56	07/17/24 11:12	10
2,4,5-Trichlorophenol	ND	D	100	51	ug/L		06/28/24 06:56	07/17/24 11:12	10
2,4,6-Trichlorophenol	ND	D	100	43	ug/L		06/28/24 06:56	07/17/24 11:12	10
2,4-Dichlorophenol	ND	D	50	38	ug/L		06/28/24 06:56	07/17/24 11:12	10
2,4-Dimethylphenol	ND	D	100	48	ug/L		06/28/24 06:56	07/17/24 11:12	10
2,4-Dinitrophenol	ND	D	300	270	ug/L		06/28/24 06:56	07/17/24 11:12	10
2,4-Dinitrotoluene	ND	D	50	50	ug/L		06/28/24 06:56	07/17/24 11:12	10
2,6-Dinitrotoluene	ND	D	100	77	ug/L		06/28/24 06:56	07/17/24 11:12	10
2-Chloronaphthalene	ND	D	100	87	ug/L		06/28/24 06:56	07/17/24 11:12	10
2-Chlorophenol	ND	D	200	110	ug/L		06/28/24 06:56	07/17/24 11:12	10
2-Methylnaphthalene	ND	D	50	28	ug/L		06/28/24 06:56	07/17/24 11:12	10
2-Methylphenol	ND	D	100	47	ug/L		06/28/24 06:56	07/17/24 11:12	10
2-Nitroaniline	ND	D	100	55	ug/L		06/28/24 06:56	07/17/24 11:12	10
2-Nitrophenol	ND	D	100	44	ug/L		06/28/24 06:56	07/17/24 11:12	10
3 & 4 Methylphenol	ND	D	100	49	ug/L		06/28/24 06:56	07/17/24 11:12	10
3,3'-Dichlorobenzidine	ND	D	100	62	ug/L		06/28/24 06:56	07/17/24 11:12	10
3-Nitroaniline	ND	D	200	150	ug/L		06/28/24 06:56	07/17/24 11:12	10
4,6-Dinitro-2-methylphenol	ND	D	200	190	ug/L		06/28/24 06:56	07/17/24 11:12	10
4-Bromophenyl phenyl ether	ND	D	50	39	ug/L		06/28/24 06:56	07/17/24 11:12	10
4-Chloro-3-methylphenol	ND	D	50	46	ug/L		06/28/24 06:56	07/17/24 11:12	10
4-Chloroaniline	ND	D	50	47	ug/L		06/28/24 06:56	07/17/24 11:12	10

Client Sample Results

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Job ID: 885-7007-1

Client Sample ID: WMW-1R

Date Collected: 06/26/24 10:53
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-4

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND	D	50	39	ug/L		06/28/24 06:56	07/17/24 11:12	10
4-Nitroaniline	ND	D	50	45	ug/L		06/28/24 06:56	07/17/24 11:12	10
4-Nitrophenol	ND	D	100	53	ug/L		06/28/24 06:56	07/17/24 11:12	10
Acenaphthene	ND	D	100	77	ug/L		06/28/24 06:56	07/17/24 11:12	10
Acenaphthylene	ND	D	50	46	ug/L		06/28/24 06:56	07/17/24 11:12	10
Aniline	ND	D	100	54	ug/L		06/28/24 06:56	07/17/24 11:12	10
Anthracene	ND	D	50	39	ug/L		06/28/24 06:56	07/17/24 11:12	10
Azobenzene	ND	D	100	38	ug/L		06/28/24 06:56	07/17/24 11:12	10
Benzo[a]anthracene	ND	D	100	67	ug/L		06/28/24 06:56	07/17/24 11:12	10
Benzo[a]pyrene	ND	D	50	49	ug/L		06/28/24 06:56	07/17/24 11:12	10
Benzo[b]fluoranthene	ND	D	100	58	ug/L		06/28/24 06:56	07/17/24 11:12	10
Benzo[g,h,i]perylene	ND	D	50	49	ug/L		06/28/24 06:56	07/17/24 11:12	10
Benzo[k]fluoranthene	ND	D	100	47	ug/L		06/28/24 06:56	07/17/24 11:12	10
Benzoic acid	ND	D	200	150	ug/L		06/28/24 06:56	07/17/24 11:12	10
Benzyl alcohol	ND	D	50	48	ug/L		06/28/24 06:56	07/17/24 11:12	10
Bis(2-ethylhexyl) phthalate	ND	D	100	98	ug/L		06/28/24 06:56	07/17/24 11:12	10
bis (2-Chloroisopropyl) ether	ND	D	50	36	ug/L		06/28/24 06:56	07/17/24 11:12	10
Bis(2-chloroethoxy)methane	ND	D	100	43	ug/L		06/28/24 06:56	07/17/24 11:12	10
Bis(2-chloroethyl)ether	ND	D	100	50	ug/L		06/28/24 06:56	07/17/24 11:12	10
Butyl benzyl phthalate	ND	D	100	65	ug/L		06/28/24 06:56	07/17/24 11:12	10
Carbazole	ND	D	100	53	ug/L		06/28/24 06:56	07/17/24 11:12	10
Chrysene	ND	D	50	47	ug/L		06/28/24 06:56	07/17/24 11:12	10
Di-n-butyl phthalate	ND	D	100	54	ug/L		06/28/24 06:56	07/17/24 11:12	10
Di-n-octyl phthalate	ND	D	100	76	ug/L		06/28/24 06:56	07/17/24 11:12	10
Dibenz(a,h)anthracene	ND	D	100	67	ug/L		06/28/24 06:56	07/17/24 11:12	10
Dibenzofuran	ND	D	100	49	ug/L		06/28/24 06:56	07/17/24 11:12	10
Diethyl phthalate	ND	D	100	56	ug/L		06/28/24 06:56	07/17/24 11:12	10
Dimethyl phthalate	ND	D	100	54	ug/L		06/28/24 06:56	07/17/24 11:12	10
Fluoranthene	ND	D	100	55	ug/L		06/28/24 06:56	07/17/24 11:12	10
Fluorene	ND	D	50	47	ug/L		06/28/24 06:56	07/17/24 11:12	10
Hexachlorobenzene	ND	D	200	46	ug/L		06/28/24 06:56	07/17/24 11:12	10
Hexachlorobutadiene	ND	D	200	110	ug/L		06/28/24 06:56	07/17/24 11:12	10
Hexachlorocyclopentadiene	ND	D	200	89	ug/L		06/28/24 06:56	07/17/24 11:12	10
Hexachloroethane	ND	D	200	110	ug/L		06/28/24 06:56	07/17/24 11:12	10
Indeno[1,2,3-cd]pyrene	ND	D	100	53	ug/L		06/28/24 06:56	07/17/24 11:12	10
Isophorone	ND	D	50	43	ug/L		06/28/24 06:56	07/17/24 11:12	10
N-Nitrosodi-n-propylamine	ND	D	50	37	ug/L		06/28/24 06:56	07/17/24 11:12	10
N-Nitrosodimethylamine	ND	D	50	31	ug/L		06/28/24 06:56	07/17/24 11:12	10
N-Nitrosodiphenylamine	ND	D	100	52	ug/L		06/28/24 06:56	07/17/24 11:12	10
Naphthalene	ND	D	50	33	ug/L		06/28/24 06:56	07/17/24 11:12	10
Nitrobenzene	ND	D	50	36	ug/L		06/28/24 06:56	07/17/24 11:12	10
Pentachlorophenol	ND	D	200	150	ug/L		06/28/24 06:56	07/17/24 11:12	10
Phenanthrene	ND	D	50	48	ug/L		06/28/24 06:56	07/17/24 11:12	10
Phenol	ND	D	100	39	ug/L		06/28/24 06:56	07/17/24 11:12	10
Pyrene	ND	D	100	52	ug/L		06/28/24 06:56	07/17/24 11:12	10
Pyridine	ND	D	200	26	ug/L		06/28/24 06:56	07/17/24 11:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*0*	*D S1-*	*15 - 130*	*06/28/24 06:56*	*07/17/24 11:12*	*10*
2-Fluorophenol (Surr)	*0*	*D S1-*	*15 - 130*	*06/28/24 06:56*	*07/17/24 11:12*	*10*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-1R

Date Collected: 06/26/24 10:53
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-4

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*D S1-*	*15 - 130*	*06/28/24 06:56*	*07/17/24 11:12*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D S1-*	*29 - 130*	*06/28/24 06:56*	*07/17/24 11:12*	*10*
2-Fluorobiphenyl (Surr)	*0*	*D S1-*	*20 - 130*	*06/28/24 06:56*	*07/17/24 11:12*	*10*
p-Terphenyl-d14 (Surr)	*0*	*D S1-*	*41 - 130*	*06/28/24 06:56*	*07/17/24 11:12*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82**		5.0	2.5	mg/L			06/28/24 04:45	10
Sulfate	**220**		5.0	2.5	mg/L			06/28/24 04:45	10
Nitrate Nitrite as N	**0.53**	**J**	2.0	0.22	mg/L			06/28/24 04:45	10

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.0035**		0.0025	0.00038	mg/L		06/28/24 10:13	07/02/24 15:34	5

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.067**		0.020	0.00074	mg/L			07/02/24 09:26	1
Cadmium	ND		0.0020	0.00083	mg/L			07/02/24 09:26	1
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 09:26	1
Silver	**0.0014**	**J**	0.0050	0.0012	mg/L			07/02/24 09:26	1
Calcium	**68**		1.0	0.089	mg/L			07/02/24 09:26	1
Sodium	**140**		5.0	1.5	mg/L			07/02/24 09:29	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.018**	**J**	0.020	0.010	mg/L			07/19/24 17:52	20
Lead	ND		0.020	0.010	mg/L			07/19/24 17:52	20
Selenium	ND		0.020	0.016	mg/L			07/23/24 13:56	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 10:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**760**		100	50	mg/L			07/02/24 10:24	1
Total Alkalinity as CaCO3 (SM 2320B)	**170**		20	20	mg/L			07/09/24 13:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**170**		20	20	mg/L			07/09/24 13:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			07/09/24 13:22	1
pH (SM 4500 H+ B)	**7.7**	**HF**	0.1	0.1	SU			07/09/24 13:22	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-2

Date Collected: 06/26/24 10:10
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50	13	ug/L			07/10/24 19:44	50
1,1,1-Trichloroethane	ND		50	4.1	ug/L			07/10/24 19:44	50
1,1,2,2-Tetrachloroethane	ND		100	14	ug/L			07/10/24 19:44	50
1,1,2-Trichloroethane	ND		50	9.9	ug/L			07/10/24 19:44	50
1,1-Dichloroethane	ND		50	15	ug/L			07/10/24 19:44	50
1,1-Dichloroethene	ND		50	10	ug/L			07/10/24 19:44	50
1,1-Dichloropropene	ND		50	9.0	ug/L			07/10/24 19:44	50
1,2,3-Trichlorobenzene	ND		50	12	ug/L			07/10/24 19:44	50
1,2,3-Trichloropropane	ND		100	8.0	ug/L			07/10/24 19:44	50
1,2,4-Trichlorobenzene	ND		50	20	ug/L			07/10/24 19:44	50
1,2,4-Trimethylbenzene	**31**	**J**	50	6.1	ug/L			07/10/24 19:44	50
1,2-Dibromo-3-Chloropropane	ND		100	29	ug/L			07/10/24 19:44	50
1,2-Dibromoethane (EDB)	ND		50	15	ug/L			07/10/24 19:44	50
1,2-Dichlorobenzene	ND		50	7.7	ug/L			07/10/24 19:44	50
1,2-Dichloroethane (EDC)	ND		50	15	ug/L			07/10/24 19:44	50
1,2-Dichloropropane	ND		50	10	ug/L			07/10/24 19:44	50
1,3,5-Trimethylbenzene	ND		50	9.1	ug/L			07/10/24 19:44	50
1,3-Dichlorobenzene	ND		50	8.1	ug/L			07/10/24 19:44	50
1,3-Dichloropropane	ND		50	9.0	ug/L			07/10/24 19:44	50
1,4-Dichlorobenzene	ND		50	5.2	ug/L			07/10/24 19:44	50
1-Methylnaphthalene	ND		200	100	ug/L			07/10/24 19:44	50
2,2-Dichloropropane	ND		100	13	ug/L			07/10/24 19:44	50
2-Butanone	ND		500	100	ug/L			07/10/24 19:44	50
2-Chlorotoluene	ND		50	6.6	ug/L			07/10/24 19:44	50
2-Hexanone	ND		500	90	ug/L			07/10/24 19:44	50
2-Methylnaphthalene	ND		200	100	ug/L			07/10/24 19:44	50
4-Chlorotoluene	ND		50	6.7	ug/L			07/10/24 19:44	50
4-Isopropyltoluene	**16**	**J**	50	10	ug/L			07/10/24 19:44	50
4-Methyl-2-pentanone	ND		500	75	ug/L			07/10/24 19:44	50
Acetone	ND		500	130	ug/L			07/10/24 19:44	50
Benzene	**15000**		500	110	ug/L			07/10/24 09:35	500
Bromobenzene	ND		50	14	ug/L			07/10/24 19:44	50
Bromodichloromethane	ND		50	10	ug/L			07/10/24 19:44	50
Dibromochloromethane	ND		50	14	ug/L			07/10/24 19:44	50
Bromoform	ND		50	16	ug/L			07/10/24 19:44	50
Bromomethane	ND		150	50	ug/L			07/10/24 19:44	50
Carbon disulfide	ND		500	50	ug/L			07/10/24 19:44	50
Carbon tetrachloride	ND		50	8.8	ug/L			07/10/24 19:44	50
Chlorobenzene	ND		50	23	ug/L			07/10/24 19:44	50
Chloroethane	ND		100	19	ug/L			07/10/24 19:44	50
Chloroform	ND		50	13	ug/L			07/10/24 19:44	50
Chloromethane	ND		150	21	ug/L			07/10/24 19:44	50
cis-1,2-Dichloroethene	ND		50	19	ug/L			07/10/24 19:44	50
cis-1,3-Dichloropropene	ND		50	5.8	ug/L			07/10/24 19:44	50
Dibromomethane	ND		50	15	ug/L			07/10/24 19:44	50
Dichlorodifluoromethane	ND		50	13	ug/L			07/10/24 19:44	50
Ethylbenzene	**67**		50	11	ug/L			07/10/24 19:44	50
Hexachlorobutadiene	ND		50	21	ug/L			07/10/24 19:44	50
Isopropylbenzene	**14**	**J**	50	9.1	ug/L			07/10/24 19:44	50

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-2

Date Collected: 06/26/24 10:10
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		50	20	ug/L			07/10/24 19:44	50
Methylene Chloride	ND		150	62	ug/L			07/10/24 19:44	50
n-Butylbenzene	ND		150	6.3	ug/L			07/10/24 19:44	50
N-Propylbenzene	**14**	**J**	50	5.5	ug/L			07/10/24 19:44	50
Naphthalene	**27**	**J**	100	12	ug/L			07/10/24 19:44	50
sec-Butylbenzene	**14**	**J**	50	7.2	ug/L			07/10/24 19:44	50
Styrene	ND		50	6.8	ug/L			07/10/24 19:44	50
tert-Butylbenzene	ND		50	12	ug/L			07/10/24 19:44	50
Tetrachloroethene (PCE)	ND		50	8.9	ug/L			07/10/24 19:44	50
Toluene	ND		50	13	ug/L			07/10/24 19:44	50
trans-1,2-Dichloroethene	ND		50	9.7	ug/L			07/10/24 19:44	50
trans-1,3-Dichloropropene	ND		50	17	ug/L			07/10/24 19:44	50
Trichloroethene (TCE)	ND		50	10	ug/L			07/10/24 19:44	50
Trichlorofluoromethane	ND		50	7.9	ug/L			07/10/24 19:44	50
Vinyl chloride	ND		50	16	ug/L			07/10/24 19:44	50
Xylenes, Total	**110**		75	19	ug/L			07/10/24 19:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*		*07/10/24 19:44*	*50*
Toluene-d8 (Surr)	*110*		*70 - 130*		*07/10/24 19:44*	*50*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*07/10/24 19:44*	*50*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*07/10/24 19:44*	*50*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	D	100	81	ug/L		06/28/24 06:56	07/17/24 11:54	10
1,2-Dichlorobenzene	ND	D	100	99	ug/L		06/28/24 06:56	07/17/24 11:54	10
1,3-Dichlorobenzene	ND	D	120	110	ug/L		06/28/24 06:56	07/17/24 11:54	10
1,4-Dichlorobenzene	ND	D	120	100	ug/L		06/28/24 06:56	07/17/24 11:54	10
1-Methylnaphthalene	ND	D	100	85	ug/L		06/28/24 06:56	07/17/24 11:54	10
2,4,5-Trichlorophenol	ND	D	100	51	ug/L		06/28/24 06:56	07/17/24 11:54	10
2,4,6-Trichlorophenol	ND	D	100	43	ug/L		06/28/24 06:56	07/17/24 11:54	10
2,4-Dichlorophenol	ND	D	50	38	ug/L		06/28/24 06:56	07/17/24 11:54	10
2,4-Dimethylphenol	ND	D	100	48	ug/L		06/28/24 06:56	07/17/24 11:54	10
2,4-Dinitrophenol	ND	D	300	270	ug/L		06/28/24 06:56	07/17/24 11:54	10
2,4-Dinitrotoluene	ND	D	50	50	ug/L		06/28/24 06:56	07/17/24 11:54	10
2,6-Dinitrotoluene	ND	D	100	77	ug/L		06/28/24 06:56	07/17/24 11:54	10
2-Chloronaphthalene	ND	D	100	87	ug/L		06/28/24 06:56	07/17/24 11:54	10
2-Chlorophenol	ND	D	200	110	ug/L		06/28/24 06:56	07/17/24 11:54	10
2-Methylnaphthalene	ND	D	50	28	ug/L		06/28/24 06:56	07/17/24 11:54	10
2-Methylphenol	ND	D	100	47	ug/L		06/28/24 06:56	07/17/24 11:54	10
2-Nitroaniline	ND	D	100	55	ug/L		06/28/24 06:56	07/17/24 11:54	10
2-Nitrophenol	ND	D	100	44	ug/L		06/28/24 06:56	07/17/24 11:54	10
3 & 4 Methylphenol	ND	D	100	49	ug/L		06/28/24 06:56	07/17/24 11:54	10
3,3'-Dichlorobenzidine	ND	D	100	62	ug/L		06/28/24 06:56	07/17/24 11:54	10
3-Nitroaniline	ND	D	200	150	ug/L		06/28/24 06:56	07/17/24 11:54	10
4,6-Dinitro-2-methylphenol	ND	D	200	190	ug/L		06/28/24 06:56	07/17/24 11:54	10
4-Bromophenyl phenyl ether	ND	D	50	39	ug/L		06/28/24 06:56	07/17/24 11:54	10
4-Chloro-3-methylphenol	ND	D	50	46	ug/L		06/28/24 06:56	07/17/24 11:54	10
4-Chloroaniline	ND	D	50	47	ug/L		06/28/24 06:56	07/17/24 11:54	10

Client Sample Results

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

Client Sample ID: WMW-2
Lab Sample ID: 885-7007-5
Date Collected: 06/26/24 10:10
Matrix: Water
Date Received: 06/27/24 07:30

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND	D	50	39	ug/L		06/28/24 06:56	07/17/24 11:54	10
4-Nitroaniline	ND	D	50	45	ug/L		06/28/24 06:56	07/17/24 11:54	10
4-Nitrophenol	ND	D	100	53	ug/L		06/28/24 06:56	07/17/24 11:54	10
Acenaphthene	ND	D	100	77	ug/L		06/28/24 06:56	07/17/24 11:54	10
Acenaphthylene	ND	D	50	46	ug/L		06/28/24 06:56	07/17/24 11:54	10
Aniline	ND	D	100	54	ug/L		06/28/24 06:56	07/17/24 11:54	10
Anthracene	ND	D	50	39	ug/L		06/28/24 06:56	07/17/24 11:54	10
Azobenzene	ND	D	100	38	ug/L		06/28/24 06:56	07/17/24 11:54	10
Benzo[a]anthracene	ND	D	100	67	ug/L		06/28/24 06:56	07/17/24 11:54	10
Benzo[a]pyrene	ND	D	50	49	ug/L		06/28/24 06:56	07/17/24 11:54	10
Benzo[b]fluoranthene	ND	D	100	58	ug/L		06/28/24 06:56	07/17/24 11:54	10
Benzo[g,h,i]perylene	ND	D	50	49	ug/L		06/28/24 06:56	07/17/24 11:54	10
Benzo[k]fluoranthene	ND	D	100	47	ug/L		06/28/24 06:56	07/17/24 11:54	10
Benzoic acid	ND	D	200	150	ug/L		06/28/24 06:56	07/17/24 11:54	10
Benzyl alcohol	ND	D	50	48	ug/L		06/28/24 06:56	07/17/24 11:54	10
Bis(2-ethylhexyl) phthalate	ND	D	100	98	ug/L		06/28/24 06:56	07/17/24 11:54	10
bis (2-Chloroisopropyl) ether	ND	D	50	36	ug/L		06/28/24 06:56	07/17/24 11:54	10
Bis(2-chloroethoxy)methane	ND	D	100	43	ug/L		06/28/24 06:56	07/17/24 11:54	10
Bis(2-chloroethyl)ether	ND	D	100	50	ug/L		06/28/24 06:56	07/17/24 11:54	10
Butyl benzyl phthalate	ND	D	100	65	ug/L		06/28/24 06:56	07/17/24 11:54	10
Carbazole	ND	D	100	53	ug/L		06/28/24 06:56	07/17/24 11:54	10
Chrysene	ND	D	50	47	ug/L		06/28/24 06:56	07/17/24 11:54	10
Di-n-butyl phthalate	ND	D	100	54	ug/L		06/28/24 06:56	07/17/24 11:54	10
Di-n-octyl phthalate	ND	D	100	76	ug/L		06/28/24 06:56	07/17/24 11:54	10
Dibenz(a,h)anthracene	ND	D	100	67	ug/L		06/28/24 06:56	07/17/24 11:54	10
Dibenzofuran	ND	D	100	49	ug/L		06/28/24 06:56	07/17/24 11:54	10
Diethyl phthalate	ND	D	100	56	ug/L		06/28/24 06:56	07/17/24 11:54	10
Dimethyl phthalate	ND	D	100	54	ug/L		06/28/24 06:56	07/17/24 11:54	10
Fluoranthene	ND	D	100	55	ug/L		06/28/24 06:56	07/17/24 11:54	10
Fluorene	ND	D	50	47	ug/L		06/28/24 06:56	07/17/24 11:54	10
Hexachlorobenzene	ND	D	200	46	ug/L		06/28/24 06:56	07/17/24 11:54	10
Hexachlorobutadiene	ND	D	200	110	ug/L		06/28/24 06:56	07/17/24 11:54	10
Hexachlorocyclopentadiene	ND	D	200	89	ug/L		06/28/24 06:56	07/17/24 11:54	10
Hexachloroethane	ND	D	200	110	ug/L		06/28/24 06:56	07/17/24 11:54	10
Indeno[1,2,3-cd]pyrene	ND	D	100	53	ug/L		06/28/24 06:56	07/17/24 11:54	10
Isophorone	ND	D	50	43	ug/L		06/28/24 06:56	07/17/24 11:54	10
N-Nitrosodi-n-propylamine	ND	D	50	37	ug/L		06/28/24 06:56	07/17/24 11:54	10
N-Nitrosodimethylamine	ND	D	50	31	ug/L		06/28/24 06:56	07/17/24 11:54	10
N-Nitrosodiphenylamine	ND	D	100	52	ug/L		06/28/24 06:56	07/17/24 11:54	10
Naphthalene	ND	D	50	33	ug/L		06/28/24 06:56	07/17/24 11:54	10
Nitrobenzene	ND	D	50	36	ug/L		06/28/24 06:56	07/17/24 11:54	10
Pentachlorophenol	ND	D	200	150	ug/L		06/28/24 06:56	07/17/24 11:54	10
Phenanthrene	ND	D	50	48	ug/L		06/28/24 06:56	07/17/24 11:54	10
Phenol	ND	D	100	39	ug/L		06/28/24 06:56	07/17/24 11:54	10
Pyrene	ND	D	100	52	ug/L		06/28/24 06:56	07/17/24 11:54	10
Pyridine	ND	D	200	26	ug/L		06/28/24 06:56	07/17/24 11:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*0*	*D S1-*	*15 - 130*	*06/28/24 06:56*	*07/17/24 11:54*	*10*
2-Fluorophenol (Surr)	*0*	*D S1-*	*15 - 130*	*06/28/24 06:56*	*07/17/24 11:54*	*10*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-2

Date Collected: 06/26/24 10:10
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-5

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*D S1-*	*15 - 130*	*06/28/24 06:56*	*07/17/24 11:54*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D S1-*	*29 - 130*	*06/28/24 06:56*	*07/17/24 11:54*	*10*
2-Fluorobiphenyl (Surr)	*0*	*D S1-*	*20 - 130*	*06/28/24 06:56*	*07/17/24 11:54*	*10*
p-Terphenyl-d14 (Surr)	*0*	*D S1-*	*41 - 130*	*06/28/24 06:56*	*07/17/24 11:54*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**320**		50	25	mg/L			06/28/24 05:23	100
Sulfate	**17**		5.0	2.5	mg/L			06/28/24 05:10	10
Nitrate Nitrite as N	**0.92**	**J**	2.0	0.22	mg/L			06/28/24 05:10	10

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.0022**	**J**	0.0025	0.00038	mg/L		06/28/24 10:13	07/02/24 15:37	5

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.28**		0.020	0.00074	mg/L			07/02/24 09:44	1
Cadmium	ND		0.0020	0.00083	mg/L			07/02/24 09:44	1
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 09:44	1
Silver	ND		0.0050	0.0012	mg/L			07/02/24 09:44	1
Calcium	**26**		1.0	0.089	mg/L			07/02/24 09:44	1
Sodium	**740**		50	15	mg/L			07/02/24 09:36	50

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			07/19/24 18:05	20
Lead	ND		0.020	0.010	mg/L			07/19/24 18:05	20
Selenium	ND		0.020	0.016	mg/L			07/23/24 14:01	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 10:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1700**		250	130	mg/L			07/02/24 10:24	1
Total Alkalinity as CaCO3 (SM 2320B)	**960**		20	20	mg/L			07/09/24 13:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**960**		20	20	mg/L			07/09/24 13:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			07/09/24 13:33	1
pH (SM 4500 H+ B)	**7.6**	**HF**	0.1	0.1	SU			07/09/24 13:33	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-4

Date Collected: 06/26/24 09:45
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/10/24 11:29	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/10/24 11:29	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/10/24 11:29	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/10/24 11:29	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/10/24 11:29	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/10/24 11:29	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/10/24 11:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/10/24 11:29	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/10/24 11:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/10/24 11:29	1
1,2,4-Trimethylbenzene	**0.33**	**J**	1.0	0.12	ug/L			07/10/24 11:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/10/24 11:29	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/10/24 11:29	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/10/24 11:29	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/10/24 11:29	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/10/24 11:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/10/24 11:29	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/10/24 11:29	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/10/24 11:29	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/10/24 11:29	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 11:29	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/10/24 11:29	1
2-Butanone	ND		10	2.0	ug/L			07/10/24 11:29	1
2-Chlorotoluene	**0.16**	**J**	1.0	0.13	ug/L			07/10/24 11:29	1
2-Hexanone	ND		10	1.8	ug/L			07/10/24 11:29	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 11:29	1
4-Chlorotoluene	**0.21**	**J**	1.0	0.13	ug/L			07/10/24 11:29	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/10/24 11:29	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/10/24 11:29	1
Acetone	ND		10	2.5	ug/L			07/10/24 11:29	1
Benzene	ND		1.0	0.23	ug/L			07/10/24 11:29	1
Bromobenzene	ND		1.0	0.28	ug/L			07/10/24 11:29	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/10/24 11:29	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/10/24 11:29	1
Bromoform	ND		1.0	0.31	ug/L			07/10/24 11:29	1
Bromomethane	ND		3.0	1.0	ug/L			07/10/24 11:29	1
Carbon disulfide	ND		10	1.0	ug/L			07/10/24 11:29	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/10/24 11:29	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/10/24 11:29	1
Chloroethane	ND		2.0	0.38	ug/L			07/10/24 11:29	1
Chloroform	ND		1.0	0.25	ug/L			07/10/24 11:29	1
Chloromethane	ND		3.0	0.41	ug/L			07/10/24 11:29	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/10/24 11:29	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/10/24 11:29	1
Dibromomethane	ND		1.0	0.31	ug/L			07/10/24 11:29	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/10/24 11:29	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/10/24 11:29	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/10/24 11:29	1
Isopropylbenzene	**0.22**	**J**	1.0	0.18	ug/L			07/10/24 11:29	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-4

Date Collected: 06/26/24 09:45
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/10/24 11:29	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/10/24 11:29	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/10/24 11:29	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/10/24 11:29	1
Naphthalene	ND		2.0	0.24	ug/L			07/10/24 11:29	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/10/24 11:29	1
Styrene	ND		1.0	0.14	ug/L			07/10/24 11:29	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/10/24 11:29	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/10/24 11:29	1
Toluene	ND		1.0	0.25	ug/L			07/10/24 11:29	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/10/24 11:29	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/10/24 11:29	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/10/24 11:29	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/10/24 11:29	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/10/24 11:29	1
Xylenes, Total	**0.71**	**J**	1.5	0.37	ug/L			07/10/24 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*07/10/24 11:29*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*07/10/24 11:29*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*07/10/24 11:29*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*07/10/24 11:29*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		06/28/24 06:56	07/17/24 12:36	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		06/28/24 06:56	07/17/24 12:36	1
1,3-Dichlorobenzene	ND		12	11	ug/L		06/28/24 06:56	07/17/24 12:36	1
1,4-Dichlorobenzene	ND		12	10	ug/L		06/28/24 06:56	07/17/24 12:36	1
1-Methylnaphthalene	ND		10	8.5	ug/L		06/28/24 06:56	07/17/24 12:36	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		06/28/24 06:56	07/17/24 12:36	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		06/28/24 06:56	07/17/24 12:36	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		06/28/24 06:56	07/17/24 12:36	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		06/28/24 06:56	07/17/24 12:36	1
2,4-Dinitrophenol	ND		30	27	ug/L		06/28/24 06:56	07/17/24 12:36	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		06/28/24 06:56	07/17/24 12:36	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		06/28/24 06:56	07/17/24 12:36	1
2-Chloronaphthalene	ND		10	8.7	ug/L		06/28/24 06:56	07/17/24 12:36	1
2-Chlorophenol	ND		20	11	ug/L		06/28/24 06:56	07/17/24 12:36	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		06/28/24 06:56	07/17/24 12:36	1
2-Methylphenol	ND		10	4.7	ug/L		06/28/24 06:56	07/17/24 12:36	1
2-Nitroaniline	ND		10	5.5	ug/L		06/28/24 06:56	07/17/24 12:36	1
2-Nitrophenol	ND		10	4.4	ug/L		06/28/24 06:56	07/17/24 12:36	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		06/28/24 06:56	07/17/24 12:36	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		06/28/24 06:56	07/17/24 12:36	1
3-Nitroaniline	ND		20	15	ug/L		06/28/24 06:56	07/17/24 12:36	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		06/28/24 06:56	07/17/24 12:36	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		06/28/24 06:56	07/17/24 12:36	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		06/28/24 06:56	07/17/24 12:36	1
4-Chloroaniline	ND		5.0	4.7	ug/L		06/28/24 06:56	07/17/24 12:36	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-4

Date Collected: 06/26/24 09:45
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-6

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		06/28/24 06:56	07/17/24 12:36	1
4-Nitroaniline	ND		5.0	4.5	ug/L		06/28/24 06:56	07/17/24 12:36	1
4-Nitrophenol	ND		10	5.3	ug/L		06/28/24 06:56	07/17/24 12:36	1
Acenaphthene	ND		10	7.7	ug/L		06/28/24 06:56	07/17/24 12:36	1
Acenaphthylene	ND		5.0	4.6	ug/L		06/28/24 06:56	07/17/24 12:36	1
Aniline	ND		10	5.4	ug/L		06/28/24 06:56	07/17/24 12:36	1
Anthracene	ND		5.0	3.9	ug/L		06/28/24 06:56	07/17/24 12:36	1
Azobenzene	ND		10	3.8	ug/L		06/28/24 06:56	07/17/24 12:36	1
Benzo[a]anthracene	ND		10	6.7	ug/L		06/28/24 06:56	07/17/24 12:36	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		06/28/24 06:56	07/17/24 12:36	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		06/28/24 06:56	07/17/24 12:36	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		06/28/24 06:56	07/17/24 12:36	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		06/28/24 06:56	07/17/24 12:36	1
Benzoic acid	ND		20	15	ug/L		06/28/24 06:56	07/17/24 12:36	1
Benzyl alcohol	ND		5.0	4.8	ug/L		06/28/24 06:56	07/17/24 12:36	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		06/28/24 06:56	07/17/24 12:36	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		06/28/24 06:56	07/17/24 12:36	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		06/28/24 06:56	07/17/24 12:36	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		06/28/24 06:56	07/17/24 12:36	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		06/28/24 06:56	07/17/24 12:36	1
Carbazole	ND		10	5.3	ug/L		06/28/24 06:56	07/17/24 12:36	1
Chrysene	ND		5.0	4.7	ug/L		06/28/24 06:56	07/17/24 12:36	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		06/28/24 06:56	07/17/24 12:36	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		06/28/24 06:56	07/17/24 12:36	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		06/28/24 06:56	07/17/24 12:36	1
Dibenzofuran	ND		10	4.9	ug/L		06/28/24 06:56	07/17/24 12:36	1
Diethyl phthalate	ND		10	5.6	ug/L		06/28/24 06:56	07/17/24 12:36	1
Dimethyl phthalate	ND		10	5.4	ug/L		06/28/24 06:56	07/17/24 12:36	1
Fluoranthene	ND		10	5.5	ug/L		06/28/24 06:56	07/17/24 12:36	1
Fluorene	ND		5.0	4.7	ug/L		06/28/24 06:56	07/17/24 12:36	1
Hexachlorobenzene	ND		20	4.6	ug/L		06/28/24 06:56	07/17/24 12:36	1
Hexachlorobutadiene	ND		20	11	ug/L		06/28/24 06:56	07/17/24 12:36	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		06/28/24 06:56	07/17/24 12:36	1
Hexachloroethane	ND		20	11	ug/L		06/28/24 06:56	07/17/24 12:36	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		06/28/24 06:56	07/17/24 12:36	1
Isophorone	ND		5.0	4.3	ug/L		06/28/24 06:56	07/17/24 12:36	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		06/28/24 06:56	07/17/24 12:36	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		06/28/24 06:56	07/17/24 12:36	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		06/28/24 06:56	07/17/24 12:36	1
Naphthalene	ND		5.0	3.3	ug/L		06/28/24 06:56	07/17/24 12:36	1
Nitrobenzene	ND		5.0	3.6	ug/L		06/28/24 06:56	07/17/24 12:36	1
Pentachlorophenol	ND		20	15	ug/L		06/28/24 06:56	07/17/24 12:36	1
Phenanthrene	ND		5.0	4.8	ug/L		06/28/24 06:56	07/17/24 12:36	1
Phenol	ND		10	3.9	ug/L		06/28/24 06:56	07/17/24 12:36	1
Pyrene	ND		10	5.2	ug/L		06/28/24 06:56	07/17/24 12:36	1
Pyridine	ND		20	2.6	ug/L		06/28/24 06:56	07/17/24 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*27*		*15 - 130*	*06/28/24 06:56*	*07/17/24 12:36*	*1*
2-Fluorophenol (Surr)	*33*		*15 - 130*	*06/28/24 06:56*	*07/17/24 12:36*	*1*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-4

Date Collected: 06/26/24 09:45
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-6

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*15 - 130*	*06/28/24 06:56*	*07/17/24 12:36*	*1*
Nitrobenzene-d5 (Surr)	*39*		*29 - 130*	*06/28/24 06:56*	*07/17/24 12:36*	*1*
2-Fluorobiphenyl (Surr)	*39*		*20 - 130*	*06/28/24 06:56*	*07/17/24 12:36*	*1*
p-Terphenyl-d14 (Surr)	*63*		*41 - 130*	*06/28/24 06:56*	*07/17/24 12:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**200**		50	25	mg/L			06/28/24 05:49	100
Sulfate	**540**		50	25	mg/L			06/28/24 05:49	100
Nitrate Nitrite as N	ND		2.0	0.22	mg/L			06/28/24 05:36	10

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.0013**		0.00050	0.000076	mg/L		06/28/24 10:13	07/02/24 15:40	1

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.077**		0.020	0.00074	mg/L			07/02/24 09:47	1
Cadmium	ND		0.010	0.0042	mg/L			07/02/24 09:49	5
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 09:47	1
Silver	ND		0.0050	0.0012	mg/L			07/02/24 09:47	1
Calcium	**35**		1.0	0.089	mg/L			07/02/24 09:47	1
Sodium	**680**		50	15	mg/L			07/02/24 09:51	50

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			07/19/24 18:10	20
Lead	ND		0.020	0.010	mg/L			07/19/24 18:10	20
Selenium	ND		0.020	0.016	mg/L			07/23/24 14:05	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 10:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**2000**		250	130	mg/L			07/02/24 10:24	1
Total Alkalinity as CaCO3 (SM 2320B)	**800**		20	20	mg/L			07/09/24 14:06	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**800**		20	20	mg/L			07/09/24 14:06	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			07/09/24 14:06	1
pH (SM 4500 H+ B)	**8.0**	**HF**	0.1	0.1	SU			07/09/24 14:06	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-5

Date Collected: 06/26/24 11:30
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/10/24 12:55	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/10/24 12:55	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/10/24 12:55	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/10/24 12:55	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/10/24 12:55	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/10/24 12:55	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/10/24 12:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/10/24 12:55	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/10/24 12:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/10/24 12:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/10/24 12:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/10/24 12:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/10/24 12:55	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/10/24 12:55	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/10/24 12:55	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/10/24 12:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/10/24 12:55	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/10/24 12:55	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/10/24 12:55	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/10/24 12:55	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 12:55	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/10/24 12:55	1
2-Butanone	ND		10	2.0	ug/L			07/10/24 12:55	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 12:55	1
2-Hexanone	ND		10	1.8	ug/L			07/10/24 12:55	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 12:55	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 12:55	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/10/24 12:55	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/10/24 12:55	1
Acetone	ND		10	2.5	ug/L			07/10/24 12:55	1
Benzene	ND		1.0	0.23	ug/L			07/10/24 12:55	1
Bromobenzene	ND		1.0	0.28	ug/L			07/10/24 12:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/10/24 12:55	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/10/24 12:55	1
Bromoform	ND		1.0	0.31	ug/L			07/10/24 12:55	1
Bromomethane	ND		3.0	1.0	ug/L			07/10/24 12:55	1
Carbon disulfide	ND		10	1.0	ug/L			07/10/24 12:55	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/10/24 12:55	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/10/24 12:55	1
Chloroethane	ND		2.0	0.38	ug/L			07/10/24 12:55	1
Chloroform	ND		1.0	0.25	ug/L			07/10/24 12:55	1
Chloromethane	ND		3.0	0.41	ug/L			07/10/24 12:55	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/10/24 12:55	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/10/24 12:55	1
Dibromomethane	ND		1.0	0.31	ug/L			07/10/24 12:55	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/10/24 12:55	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/10/24 12:55	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/10/24 12:55	1
Isopropylbenzene	**0.21**	**J**	1.0	0.18	ug/L			07/10/24 12:55	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-5

Date Collected: 06/26/24 11:30
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/10/24 12:55	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/10/24 12:55	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/10/24 12:55	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/10/24 12:55	1
Naphthalene	**0.24**	**J**	2.0	0.24	ug/L			07/10/24 12:55	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/10/24 12:55	1
Styrene	ND		1.0	0.14	ug/L			07/10/24 12:55	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/10/24 12:55	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/10/24 12:55	1
Toluene	ND		1.0	0.25	ug/L			07/10/24 12:55	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/10/24 12:55	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/10/24 12:55	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/10/24 12:55	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/10/24 12:55	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/10/24 12:55	1
Xylenes, Total	**0.45**	**J**	1.5	0.37	ug/L			07/10/24 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*07/10/24 12:55*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*07/10/24 12:55*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*07/10/24 12:55*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*07/10/24 12:55*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		06/28/24 06:56	07/17/24 13:19	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		06/28/24 06:56	07/17/24 13:19	1
1,3-Dichlorobenzene	ND		12	11	ug/L		06/28/24 06:56	07/17/24 13:19	1
1,4-Dichlorobenzene	ND		12	10	ug/L		06/28/24 06:56	07/17/24 13:19	1
1-Methylnaphthalene	ND		10	8.5	ug/L		06/28/24 06:56	07/17/24 13:19	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		06/28/24 06:56	07/17/24 13:19	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		06/28/24 06:56	07/17/24 13:19	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		06/28/24 06:56	07/17/24 13:19	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		06/28/24 06:56	07/17/24 13:19	1
2,4-Dinitrophenol	ND		30	27	ug/L		06/28/24 06:56	07/17/24 13:19	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		06/28/24 06:56	07/17/24 13:19	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		06/28/24 06:56	07/17/24 13:19	1
2-Chloronaphthalene	ND		10	8.7	ug/L		06/28/24 06:56	07/17/24 13:19	1
2-Chlorophenol	ND		20	11	ug/L		06/28/24 06:56	07/17/24 13:19	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		06/28/24 06:56	07/17/24 13:19	1
2-Methylphenol	ND		10	4.7	ug/L		06/28/24 06:56	07/17/24 13:19	1
2-Nitroaniline	ND		10	5.5	ug/L		06/28/24 06:56	07/17/24 13:19	1
2-Nitrophenol	ND		10	4.4	ug/L		06/28/24 06:56	07/17/24 13:19	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		06/28/24 06:56	07/17/24 13:19	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		06/28/24 06:56	07/17/24 13:19	1
3-Nitroaniline	ND		20	15	ug/L		06/28/24 06:56	07/17/24 13:19	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		06/28/24 06:56	07/17/24 13:19	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		06/28/24 06:56	07/17/24 13:19	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		06/28/24 06:56	07/17/24 13:19	1
4-Chloroaniline	ND		5.0	4.7	ug/L		06/28/24 06:56	07/17/24 13:19	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-5

Date Collected: 06/26/24 11:30
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-7

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		06/28/24 06:56	07/17/24 13:19	1
4-Nitroaniline	ND		5.0	4.5	ug/L		06/28/24 06:56	07/17/24 13:19	1
4-Nitrophenol	ND		10	5.3	ug/L		06/28/24 06:56	07/17/24 13:19	1
Acenaphthene	ND		10	7.7	ug/L		06/28/24 06:56	07/17/24 13:19	1
Acenaphthylene	ND		5.0	4.6	ug/L		06/28/24 06:56	07/17/24 13:19	1
Aniline	ND		10	5.4	ug/L		06/28/24 06:56	07/17/24 13:19	1
Anthracene	ND		5.0	3.9	ug/L		06/28/24 06:56	07/17/24 13:19	1
Azobenzene	ND		10	3.8	ug/L		06/28/24 06:56	07/17/24 13:19	1
Benzo[a]anthracene	ND		10	6.7	ug/L		06/28/24 06:56	07/17/24 13:19	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		06/28/24 06:56	07/17/24 13:19	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		06/28/24 06:56	07/17/24 13:19	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		06/28/24 06:56	07/17/24 13:19	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		06/28/24 06:56	07/17/24 13:19	1
Benzoic acid	ND		20	15	ug/L		06/28/24 06:56	07/17/24 13:19	1
Benzyl alcohol	ND		5.0	4.8	ug/L		06/28/24 06:56	07/17/24 13:19	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		06/28/24 06:56	07/17/24 13:19	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		06/28/24 06:56	07/17/24 13:19	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		06/28/24 06:56	07/17/24 13:19	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		06/28/24 06:56	07/17/24 13:19	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		06/28/24 06:56	07/17/24 13:19	1
Carbazole	ND		10	5.3	ug/L		06/28/24 06:56	07/17/24 13:19	1
Chrysene	ND		5.0	4.7	ug/L		06/28/24 06:56	07/17/24 13:19	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		06/28/24 06:56	07/17/24 13:19	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		06/28/24 06:56	07/17/24 13:19	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		06/28/24 06:56	07/17/24 13:19	1
Dibenzofuran	ND		10	4.9	ug/L		06/28/24 06:56	07/17/24 13:19	1
Diethyl phthalate	ND		10	5.6	ug/L		06/28/24 06:56	07/17/24 13:19	1
Dimethyl phthalate	ND		10	5.4	ug/L		06/28/24 06:56	07/17/24 13:19	1
Fluoranthene	ND		10	5.5	ug/L		06/28/24 06:56	07/17/24 13:19	1
Fluorene	ND		5.0	4.7	ug/L		06/28/24 06:56	07/17/24 13:19	1
Hexachlorobenzene	ND		20	4.6	ug/L		06/28/24 06:56	07/17/24 13:19	1
Hexachlorobutadiene	ND		20	11	ug/L		06/28/24 06:56	07/17/24 13:19	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		06/28/24 06:56	07/17/24 13:19	1
Hexachloroethane	ND		20	11	ug/L		06/28/24 06:56	07/17/24 13:19	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		06/28/24 06:56	07/17/24 13:19	1
Isophorone	ND		5.0	4.3	ug/L		06/28/24 06:56	07/17/24 13:19	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		06/28/24 06:56	07/17/24 13:19	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		06/28/24 06:56	07/17/24 13:19	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		06/28/24 06:56	07/17/24 13:19	1
Naphthalene	ND		5.0	3.3	ug/L		06/28/24 06:56	07/17/24 13:19	1
Nitrobenzene	ND		5.0	3.6	ug/L		06/28/24 06:56	07/17/24 13:19	1
Pentachlorophenol	ND		20	15	ug/L		06/28/24 06:56	07/17/24 13:19	1
Phenanthrene	ND		5.0	4.8	ug/L		06/28/24 06:56	07/17/24 13:19	1
Phenol	ND		10	3.9	ug/L		06/28/24 06:56	07/17/24 13:19	1
Pyrene	ND		10	5.2	ug/L		06/28/24 06:56	07/17/24 13:19	1
Pyridine	ND		20	2.6	ug/L		06/28/24 06:56	07/17/24 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*25*		*15 - 130*	*06/28/24 06:56*	*07/17/24 13:19*	*1*
2-Fluorophenol (Surr)	*26*		*15 - 130*	*06/28/24 06:56*	*07/17/24 13:19*	*1*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-5

Date Collected: 06/26/24 11:30
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-7

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*10*	*S1-*	*15 - 130*	*06/28/24 06:56*	*07/17/24 13:19*	*1*
Nitrobenzene-d5 (Surr)	*39*		*29 - 130*	*06/28/24 06:56*	*07/17/24 13:19*	*1*
2-Fluorobiphenyl (Surr)	*36*		*20 - 130*	*06/28/24 06:56*	*07/17/24 13:19*	*1*
p-Terphenyl-d14 (Surr)	*53*		*41 - 130*	*06/28/24 06:56*	*07/17/24 13:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**440**		50	25	mg/L			06/28/24 06:14	100
Sulfate	**1700**		50	25	mg/L			06/28/24 06:14	100
Nitrate Nitrite as N	ND		2.0	0.22	mg/L			06/28/24 06:01	10

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.0079**		0.00050	0.000076	mg/L		06/28/24 10:13	07/02/24 15:42	1

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.0020**	**J**	0.020	0.00074	mg/L			07/02/24 09:54	1
Cadmium	ND		0.010	0.0042	mg/L			07/02/24 09:56	5
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 09:54	1
Silver	**0.0035**	**J**	0.0050	0.0012	mg/L			07/02/24 09:54	1
Calcium	**310**		5.0	0.45	mg/L			07/02/24 09:56	5
Sodium	**980**		50	15	mg/L			07/02/24 09:59	50

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			07/19/24 18:14	20
Lead	ND		0.020	0.010	mg/L			07/19/24 18:14	20
Selenium	ND		0.020	0.016	mg/L			07/23/24 14:19	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 10:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4200**		500	250	mg/L			07/02/24 10:24	1
Total Alkalinity as CaCO3 (SM 2320B)	**740**		20	20	mg/L			07/09/24 14:34	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**740**		20	20	mg/L			07/09/24 14:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			07/09/24 14:34	1
pH (SM 4500 H+ B)	**7.6**	**HF**	0.1	0.1	SU			07/09/24 14:34	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-9

Date Collected: 06/26/24 12:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50	13	ug/L			07/10/24 13:24	50
1,1,1-Trichloroethane	ND		50	4.1	ug/L			07/10/24 13:24	50
1,1,2,2-Tetrachloroethane	ND		100	14	ug/L			07/10/24 13:24	50
1,1,2-Trichloroethane	ND		50	9.9	ug/L			07/10/24 13:24	50
1,1-Dichloroethane	ND		50	15	ug/L			07/10/24 13:24	50
1,1-Dichloroethene	ND		50	10	ug/L			07/10/24 13:24	50
1,1-Dichloropropene	ND		50	9.0	ug/L			07/10/24 13:24	50
1,2,3-Trichlorobenzene	ND		50	12	ug/L			07/10/24 13:24	50
1,2,3-Trichloropropane	ND		100	8.0	ug/L			07/10/24 13:24	50
1,2,4-Trichlorobenzene	ND		50	20	ug/L			07/10/24 13:24	50
1,2,4-Trimethylbenzene	**22**	**J**	50	6.1	ug/L			07/10/24 13:24	50
1,2-Dibromo-3-Chloropropane	ND		100	29	ug/L			07/10/24 13:24	50
1,2-Dibromoethane (EDB)	ND		50	15	ug/L			07/10/24 13:24	50
1,2-Dichlorobenzene	ND		50	7.7	ug/L			07/10/24 13:24	50
1,2-Dichloroethane (EDC)	ND		50	15	ug/L			07/10/24 13:24	50
1,2-Dichloropropane	ND		50	10	ug/L			07/10/24 13:24	50
1,3,5-Trimethylbenzene	**18**	**J**	50	9.1	ug/L			07/10/24 13:24	50
1,3-Dichlorobenzene	ND		50	8.1	ug/L			07/10/24 13:24	50
1,3-Dichloropropane	ND		50	9.0	ug/L			07/10/24 13:24	50
1,4-Dichlorobenzene	ND		50	5.2	ug/L			07/10/24 13:24	50
1-Methylnaphthalene	ND		200	100	ug/L			07/10/24 13:24	50
2,2-Dichloropropane	ND		100	13	ug/L			07/10/24 13:24	50
2-Butanone	ND		500	100	ug/L			07/10/24 13:24	50
2-Chlorotoluene	ND		50	6.6	ug/L			07/10/24 13:24	50
2-Hexanone	ND		500	90	ug/L			07/10/24 13:24	50
2-Methylnaphthalene	ND		200	100	ug/L			07/10/24 13:24	50
4-Chlorotoluene	**10**	**J**	50	6.7	ug/L			07/10/24 13:24	50
4-Isopropyltoluene	ND		50	10	ug/L			07/10/24 13:24	50
4-Methyl-2-pentanone	ND		500	75	ug/L			07/10/24 13:24	50
Acetone	ND		500	130	ug/L			07/10/24 13:24	50
Benzene	**10000**		500	110	ug/L			07/10/24 20:41	500
Bromobenzene	ND		50	14	ug/L			07/10/24 13:24	50
Bromodichloromethane	ND		50	10	ug/L			07/10/24 13:24	50
Dibromochloromethane	ND		50	14	ug/L			07/10/24 13:24	50
Bromoform	ND		50	16	ug/L			07/10/24 13:24	50
Bromomethane	ND		150	50	ug/L			07/10/24 13:24	50
Carbon disulfide	ND		500	50	ug/L			07/10/24 13:24	50
Carbon tetrachloride	ND		50	8.8	ug/L			07/10/24 13:24	50
Chlorobenzene	ND		50	23	ug/L			07/10/24 13:24	50
Chloroethane	ND		100	19	ug/L			07/10/24 13:24	50
Chloroform	ND		50	13	ug/L			07/10/24 13:24	50
Chloromethane	ND		150	21	ug/L			07/10/24 13:24	50
cis-1,2-Dichloroethene	ND		50	19	ug/L			07/10/24 13:24	50
cis-1,3-Dichloropropene	ND		50	5.8	ug/L			07/10/24 13:24	50
Dibromomethane	ND		50	15	ug/L			07/10/24 13:24	50
Dichlorodifluoromethane	ND		50	13	ug/L			07/10/24 13:24	50
Ethylbenzene	**66**		50	11	ug/L			07/10/24 13:24	50
Hexachlorobutadiene	ND		50	21	ug/L			07/10/24 13:24	50
Isopropylbenzene	**14**	**J**	50	9.1	ug/L			07/10/24 13:24	50

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-9

Date Collected: 06/26/24 12:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		50	20	ug/L			07/10/24 13:24	50
Methylene Chloride	ND		150	62	ug/L			07/10/24 13:24	50
n-Butylbenzene	ND		150	6.3	ug/L			07/10/24 13:24	50
N-Propylbenzene	**14**	**J**	50	5.5	ug/L			07/10/24 13:24	50
Naphthalene	**18**	**J**	100	12	ug/L			07/10/24 13:24	50
sec-Butylbenzene	**14**	**J**	50	7.2	ug/L			07/10/24 13:24	50
Styrene	ND		50	6.8	ug/L			07/10/24 13:24	50
tert-Butylbenzene	ND		50	12	ug/L			07/10/24 13:24	50
Tetrachloroethene (PCE)	ND		50	8.9	ug/L			07/10/24 13:24	50
Toluene	ND		50	13	ug/L			07/10/24 13:24	50
trans-1,2-Dichloroethene	ND		50	9.7	ug/L			07/10/24 13:24	50
trans-1,3-Dichloropropene	ND		50	17	ug/L			07/10/24 13:24	50
Trichloroethene (TCE)	ND		50	10	ug/L			07/10/24 13:24	50
Trichlorofluoromethane	ND		50	7.9	ug/L			07/10/24 13:24	50
Vinyl chloride	ND		50	16	ug/L			07/10/24 13:24	50
Xylenes, Total	**310**		75	19	ug/L			07/10/24 13:24	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*07/10/24 13:24*	*50*
Toluene-d8 (Surr)	*108*		*70 - 130*		*07/10/24 13:24*	*50*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*07/10/24 13:24*	*50*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*07/10/24 13:24*	*50*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		06/28/24 06:56	07/17/24 14:02	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		06/28/24 06:56	07/17/24 14:02	1
1,3-Dichlorobenzene	ND		12	11	ug/L		06/28/24 06:56	07/17/24 14:02	1
1,4-Dichlorobenzene	ND		12	10	ug/L		06/28/24 06:56	07/17/24 14:02	1
1-Methylnaphthalene	ND		10	8.5	ug/L		06/28/24 06:56	07/17/24 14:02	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		06/28/24 06:56	07/17/24 14:02	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		06/28/24 06:56	07/17/24 14:02	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		06/28/24 06:56	07/17/24 14:02	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		06/28/24 06:56	07/17/24 14:02	1
2,4-Dinitrophenol	ND		30	27	ug/L		06/28/24 06:56	07/17/24 14:02	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		06/28/24 06:56	07/17/24 14:02	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		06/28/24 06:56	07/17/24 14:02	1
2-Chloronaphthalene	ND		10	8.7	ug/L		06/28/24 06:56	07/17/24 14:02	1
2-Chlorophenol	ND		20	11	ug/L		06/28/24 06:56	07/17/24 14:02	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		06/28/24 06:56	07/17/24 14:02	1
2-Methylphenol	ND		10	4.7	ug/L		06/28/24 06:56	07/17/24 14:02	1
2-Nitroaniline	ND		10	5.5	ug/L		06/28/24 06:56	07/17/24 14:02	1
2-Nitrophenol	ND		10	4.4	ug/L		06/28/24 06:56	07/17/24 14:02	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		06/28/24 06:56	07/17/24 14:02	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		06/28/24 06:56	07/17/24 14:02	1
3-Nitroaniline	ND		20	15	ug/L		06/28/24 06:56	07/17/24 14:02	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		06/28/24 06:56	07/17/24 14:02	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		06/28/24 06:56	07/17/24 14:02	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		06/28/24 06:56	07/17/24 14:02	1
4-Chloroaniline	ND		5.0	4.7	ug/L		06/28/24 06:56	07/17/24 14:02	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-9

Date Collected: 06/26/24 12:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-8

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		06/28/24 06:56	07/17/24 14:02	1
4-Nitroaniline	ND		5.0	4.5	ug/L		06/28/24 06:56	07/17/24 14:02	1
4-Nitrophenol	ND		10	5.3	ug/L		06/28/24 06:56	07/17/24 14:02	1
Acenaphthene	ND		10	7.7	ug/L		06/28/24 06:56	07/17/24 14:02	1
Acenaphthylene	ND		5.0	4.6	ug/L		06/28/24 06:56	07/17/24 14:02	1
Aniline	ND		10	5.4	ug/L		06/28/24 06:56	07/17/24 14:02	1
Anthracene	ND		5.0	3.9	ug/L		06/28/24 06:56	07/17/24 14:02	1
Azobenzene	ND		10	3.8	ug/L		06/28/24 06:56	07/17/24 14:02	1
Benzo[a]anthracene	ND		10	6.7	ug/L		06/28/24 06:56	07/17/24 14:02	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		06/28/24 06:56	07/17/24 14:02	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		06/28/24 06:56	07/17/24 14:02	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		06/28/24 06:56	07/17/24 14:02	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		06/28/24 06:56	07/17/24 14:02	1
Benzoic acid	ND		20	15	ug/L		06/28/24 06:56	07/17/24 14:02	1
Benzyl alcohol	ND		5.0	4.8	ug/L		06/28/24 06:56	07/17/24 14:02	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		06/28/24 06:56	07/17/24 14:02	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		06/28/24 06:56	07/17/24 14:02	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		06/28/24 06:56	07/17/24 14:02	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		06/28/24 06:56	07/17/24 14:02	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		06/28/24 06:56	07/17/24 14:02	1
Carbazole	ND		10	5.3	ug/L		06/28/24 06:56	07/17/24 14:02	1
Chrysene	ND		5.0	4.7	ug/L		06/28/24 06:56	07/17/24 14:02	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		06/28/24 06:56	07/17/24 14:02	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		06/28/24 06:56	07/17/24 14:02	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		06/28/24 06:56	07/17/24 14:02	1
Dibenzofuran	ND		10	4.9	ug/L		06/28/24 06:56	07/17/24 14:02	1
Diethyl phthalate	ND		10	5.6	ug/L		06/28/24 06:56	07/17/24 14:02	1
Dimethyl phthalate	ND		10	5.4	ug/L		06/28/24 06:56	07/17/24 14:02	1
Fluoranthene	ND		10	5.5	ug/L		06/28/24 06:56	07/17/24 14:02	1
Fluorene	ND		5.0	4.7	ug/L		06/28/24 06:56	07/17/24 14:02	1
Hexachlorobenzene	ND		20	4.6	ug/L		06/28/24 06:56	07/17/24 14:02	1
Hexachlorobutadiene	ND		20	11	ug/L		06/28/24 06:56	07/17/24 14:02	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		06/28/24 06:56	07/17/24 14:02	1
Hexachloroethane	ND		20	11	ug/L		06/28/24 06:56	07/17/24 14:02	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		06/28/24 06:56	07/17/24 14:02	1
Isophorone	ND		5.0	4.3	ug/L		06/28/24 06:56	07/17/24 14:02	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		06/28/24 06:56	07/17/24 14:02	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		06/28/24 06:56	07/17/24 14:02	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		06/28/24 06:56	07/17/24 14:02	1
Naphthalene	ND		5.0	3.3	ug/L		06/28/24 06:56	07/17/24 14:02	1
Nitrobenzene	ND		5.0	3.6	ug/L		06/28/24 06:56	07/17/24 14:02	1
Pentachlorophenol	ND		20	15	ug/L		06/28/24 06:56	07/17/24 14:02	1
Phenanthrene	ND		5.0	4.8	ug/L		06/28/24 06:56	07/17/24 14:02	1
Phenol	**27**		10	3.9	ug/L		06/28/24 06:56	07/17/24 14:02	1
Pyrene	ND		10	5.2	ug/L		06/28/24 06:56	07/17/24 14:02	1
Pyridine	ND		20	2.6	ug/L		06/28/24 06:56	07/17/24 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*34*		*15 - 130*	*06/28/24 06:56*	*07/17/24 14:02*	*1*
2-Fluorophenol (Surr)	*41*		*15 - 130*	*06/28/24 06:56*	*07/17/24 14:02*	*1*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-9

Date Collected: 06/26/24 12:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-8

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*15 - 130*	*06/28/24 06:56*	*07/17/24 14:02*	*1*
Nitrobenzene-d5 (Surr)	*50*		*29 - 130*	*06/28/24 06:56*	*07/17/24 14:02*	*1*
2-Fluorobiphenyl (Surr)	*50*		*20 - 130*	*06/28/24 06:56*	*07/17/24 14:02*	*1*
p-Terphenyl-d14 (Surr)	*65*		*41 - 130*	*06/28/24 06:56*	*07/17/24 14:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**340**		50	25	mg/L			06/28/24 06:40	100
Sulfate	**16**		5.0	2.5	mg/L			06/28/24 06:27	10
Nitrate Nitrite as N	ND		2.0	0.22	mg/L			06/28/24 06:27	10

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.012**		0.00050	0.000076	mg/L		06/28/24 10:13	07/02/24 15:50	1

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.47**		0.020	0.00074	mg/L			07/02/24 10:01	1
Cadmium	ND		0.0020	0.00083	mg/L			07/02/24 10:01	1
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 10:01	1
Silver	ND		0.0050	0.0012	mg/L			07/02/24 10:01	1
Calcium	**25**		1.0	0.089	mg/L			07/02/24 10:01	1
Sodium	**850**		50	15	mg/L			07/02/24 10:06	50

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.014**	**J**	0.020	0.010	mg/L			07/19/24 18:19	20
Lead	ND		0.020	0.010	mg/L			07/19/24 18:19	20
Selenium	ND		0.020	0.016	mg/L			07/23/24 14:23	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 10:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**2300**		500	250	mg/L			07/02/24 10:24	1
Total Alkalinity as CaCO3 (SM 2320B)	**1300**		50	50	mg/L			07/10/24 00:26	2.5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**1200**		50	50	mg/L			07/10/24 00:26	2.5
Carbonate Alkalinity as CaCO3 (SM 2320B)	**98**		5.0	5.0	mg/L			07/10/24 00:26	2.5
pH (SM 4500 H+ B)	**8.1**	**HF**	0.1	0.1	SU			07/09/24 15:01	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: FB-6-26-24

Date Collected: 06/26/24 12:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-9

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/10/24 13:52	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/10/24 13:52	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/10/24 13:52	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/10/24 13:52	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/10/24 13:52	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/10/24 13:52	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/10/24 13:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/10/24 13:52	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/10/24 13:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/10/24 13:52	1
1,2,4-Trimethylbenzene	**0.34**	**J**	1.0	0.12	ug/L			07/10/24 13:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/10/24 13:52	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/10/24 13:52	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/10/24 13:52	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/10/24 13:52	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/10/24 13:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/10/24 13:52	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/10/24 13:52	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/10/24 13:52	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/10/24 13:52	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 13:52	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/10/24 13:52	1
2-Butanone	ND		10	2.0	ug/L			07/10/24 13:52	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 13:52	1
2-Hexanone	ND		10	1.8	ug/L			07/10/24 13:52	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 13:52	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 13:52	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/10/24 13:52	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/10/24 13:52	1
Acetone	**4.1**	**J**	10	2.5	ug/L			07/10/24 13:52	1
Benzene	ND		1.0	0.23	ug/L			07/10/24 13:52	1
Bromobenzene	ND		1.0	0.28	ug/L			07/10/24 13:52	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/10/24 13:52	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/10/24 13:52	1
Bromoform	ND		1.0	0.31	ug/L			07/10/24 13:52	1
Bromomethane	ND		3.0	1.0	ug/L			07/10/24 13:52	1
Carbon disulfide	ND		10	1.0	ug/L			07/10/24 13:52	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/10/24 13:52	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/10/24 13:52	1
Chloroethane	ND		2.0	0.38	ug/L			07/10/24 13:52	1
Chloroform	ND		1.0	0.25	ug/L			07/10/24 13:52	1
Chloromethane	ND		3.0	0.41	ug/L			07/10/24 13:52	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/10/24 13:52	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/10/24 13:52	1
Dibromomethane	ND		1.0	0.31	ug/L			07/10/24 13:52	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/10/24 13:52	1
Ethylbenzene	**0.21**	**J**	1.0	0.21	ug/L			07/10/24 13:52	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/10/24 13:52	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/10/24 13:52	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: FB-6-26-24

Date Collected: 06/26/24 12:00
Date Received: 06/27/24 07:30

Lab Sample ID: 885-7007-9

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/10/24 13:52	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/10/24 13:52	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/10/24 13:52	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/10/24 13:52	1
Naphthalene	**0.26**	**J**	2.0	0.24	ug/L			07/10/24 13:52	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/10/24 13:52	1
Styrene	ND		1.0	0.14	ug/L			07/10/24 13:52	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/10/24 13:52	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/10/24 13:52	1
Toluene	ND		1.0	0.25	ug/L			07/10/24 13:52	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/10/24 13:52	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/10/24 13:52	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/10/24 13:52	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/10/24 13:52	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/10/24 13:52	1
Xylenes, Total	**0.72**	**J**	1.5	0.37	ug/L			07/10/24 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*07/10/24 13:52*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*07/10/24 13:52*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*07/10/24 13:52*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*07/10/24 13:52*	*1*

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-8068/38
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8068

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/10/24 11:01	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/10/24 11:01	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/10/24 11:01	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/10/24 11:01	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/10/24 11:01	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/10/24 11:01	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/10/24 11:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/10/24 11:01	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/10/24 11:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/10/24 11:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/10/24 11:01	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/10/24 11:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/10/24 11:01	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/10/24 11:01	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/10/24 11:01	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/10/24 11:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/10/24 11:01	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/10/24 11:01	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/10/24 11:01	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/10/24 11:01	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 11:01	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/10/24 11:01	1
2-Butanone	ND		10	2.0	ug/L			07/10/24 11:01	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 11:01	1
2-Hexanone	ND		10	1.8	ug/L			07/10/24 11:01	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 11:01	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 11:01	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/10/24 11:01	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/10/24 11:01	1
Acetone	ND		10	2.5	ug/L			07/10/24 11:01	1
Benzene	ND		1.0	0.23	ug/L			07/10/24 11:01	1
Bromobenzene	ND		1.0	0.28	ug/L			07/10/24 11:01	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/10/24 11:01	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/10/24 11:01	1
Bromoform	ND		1.0	0.31	ug/L			07/10/24 11:01	1
Bromomethane	ND		3.0	1.0	ug/L			07/10/24 11:01	1
Carbon disulfide	ND		10	1.0	ug/L			07/10/24 11:01	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/10/24 11:01	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/10/24 11:01	1
Chloroethane	ND		2.0	0.38	ug/L			07/10/24 11:01	1
Chloroform	ND		1.0	0.25	ug/L			07/10/24 11:01	1
Chloromethane	ND		3.0	0.41	ug/L			07/10/24 11:01	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/10/24 11:01	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/10/24 11:01	1
Dibromomethane	ND		1.0	0.31	ug/L			07/10/24 11:01	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/10/24 11:01	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/10/24 11:01	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/10/24 11:01	1

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

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

Lab Sample ID: MB 885-8068/38
Matrix: Water
Analysis Batch: 8068

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.18	ug/L			07/10/24 11:01	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/10/24 11:01	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/10/24 11:01	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/10/24 11:01	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/10/24 11:01	1
Naphthalene	ND		2.0	0.24	ug/L			07/10/24 11:01	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/10/24 11:01	1
Styrene	ND		1.0	0.14	ug/L			07/10/24 11:01	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/10/24 11:01	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/10/24 11:01	1
Toluene	ND		1.0	0.25	ug/L			07/10/24 11:01	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/10/24 11:01	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/10/24 11:01	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/10/24 11:01	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/10/24 11:01	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/10/24 11:01	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/10/24 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*07/10/24 11:01*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*07/10/24 11:01*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*07/10/24 11:01*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*07/10/24 11:01*	*1*

Lab Sample ID: MB 885-8068/5
Matrix: Water
Analysis Batch: 8068

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/09/24 17:53	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/09/24 17:53	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/09/24 17:53	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/09/24 17:53	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/09/24 17:53	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/09/24 17:53	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/09/24 17:53	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/09/24 17:53	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/09/24 17:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/09/24 17:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/09/24 17:53	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/09/24 17:53	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/09/24 17:53	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/09/24 17:53	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/09/24 17:53	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/09/24 17:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/09/24 17:53	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/09/24 17:53	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/09/24 17:53	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

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

Lab Sample ID: MB 885-8068/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8068

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/09/24 17:53	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/09/24 17:53	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/09/24 17:53	1
2-Butanone	ND		10	2.0	ug/L			07/09/24 17:53	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/09/24 17:53	1
2-Hexanone	ND		10	1.8	ug/L			07/09/24 17:53	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/09/24 17:53	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/09/24 17:53	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/09/24 17:53	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/09/24 17:53	1
Acetone	ND		10	2.5	ug/L			07/09/24 17:53	1
Benzene	ND		1.0	0.23	ug/L			07/09/24 17:53	1
Bromobenzene	ND		1.0	0.28	ug/L			07/09/24 17:53	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/09/24 17:53	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/09/24 17:53	1
Bromoform	ND		1.0	0.31	ug/L			07/09/24 17:53	1
Bromomethane	ND		3.0	1.0	ug/L			07/09/24 17:53	1
Carbon disulfide	ND		10	1.0	ug/L			07/09/24 17:53	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/09/24 17:53	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/09/24 17:53	1
Chloroethane	ND		2.0	0.38	ug/L			07/09/24 17:53	1
Chloroform	ND		1.0	0.25	ug/L			07/09/24 17:53	1
Chloromethane	ND		3.0	0.41	ug/L			07/09/24 17:53	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/09/24 17:53	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/09/24 17:53	1
Dibromomethane	ND		1.0	0.31	ug/L			07/09/24 17:53	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/09/24 17:53	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/09/24 17:53	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/09/24 17:53	1
Isopropylbenzene	0.212	J	1.0	0.18	ug/L			07/09/24 17:53	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/09/24 17:53	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/09/24 17:53	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/09/24 17:53	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/09/24 17:53	1
Naphthalene	ND		2.0	0.24	ug/L			07/09/24 17:53	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/09/24 17:53	1
Styrene	ND		1.0	0.14	ug/L			07/09/24 17:53	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/09/24 17:53	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/09/24 17:53	1
Toluene	ND		1.0	0.25	ug/L			07/09/24 17:53	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/09/24 17:53	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/09/24 17:53	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/09/24 17:53	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/09/24 17:53	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/09/24 17:53	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/09/24 17:53	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

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

Lab Sample ID: MB 885-8068/5
Matrix: Water
Analysis Batch: 8068

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)					07/09/24 17:53	1
Toluene-d8 (Surr)					07/09/24 17:53	1
4-Bromofluorobenzene (Surr)					07/09/24 17:53	1
Dibromofluoromethane (Surr)					07/09/24 17:53	1

Lab Sample ID: LCS 885-8068/37
Matrix: Water
Analysis Batch: 8068

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	21.3		ug/L		106	70 - 130
Benzene	20.1	21.8		ug/L		109	70 - 130
Chlorobenzene	20.1	23.7		ug/L		118	70 - 130
Toluene	20.2	23.2		ug/L		115	70 - 130
Trichloroethene (TCE)	20.2	20.0		ug/L		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
Toluene-d8 (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130

Lab Sample ID: LCS 885-8068/4
Matrix: Water
Analysis Batch: 8068

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	21.2		ug/L		106	70 - 130
Benzene	20.1	22.3		ug/L		111	70 - 130
Chlorobenzene	20.1	24.4		ug/L		121	70 - 130
Toluene	20.2	23.8		ug/L		118	70 - 130
Trichloroethene (TCE)	20.2	20.4		ug/L		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
Toluene-d8 (Surr)	104		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130

Lab Sample ID: 885-7007-6 MS
Matrix: Water
Analysis Batch: 8068

Client Sample ID: WMW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	ND		20.1	20.5		ug/L		102	70 - 130
Benzene	ND		20.1	21.4		ug/L		107	70 - 130
Chlorobenzene	ND		20.1	23.7		ug/L		118	70 - 130
Toluene	ND		20.2	23.5		ug/L		117	70 - 130

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

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

Lab Sample ID: 885-7007-6 MS
Matrix: Water
Analysis Batch: 8068

Client Sample ID: WMW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene (TCE)	ND		20.2	19.5		ug/L		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*

Lab Sample ID: 885-7007-6 MSD
Matrix: Water
Analysis Batch: 8068

Client Sample ID: WMW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		20.1	19.3		ug/L		96	70 - 130	6	20
Benzene	ND		20.1	20.4		ug/L		102	70 - 130	5	20
Chlorobenzene	ND		20.1	23.0		ug/L		114	70 - 130	3	20
Toluene	ND		20.2	22.6		ug/L		112	70 - 130	4	20
Trichloroethene (TCE)	ND		20.2	18.5		ug/L		92	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*94*		*70 - 130*

Lab Sample ID: MB 885-8193/4
Matrix: Water
Analysis Batch: 8193

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/10/24 18:46	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/10/24 18:46	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/10/24 18:46	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/10/24 18:46	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/10/24 18:46	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/10/24 18:46	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/10/24 18:46	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/10/24 18:46	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/10/24 18:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/10/24 18:46	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/10/24 18:46	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/10/24 18:46	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/10/24 18:46	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/10/24 18:46	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/10/24 18:46	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/10/24 18:46	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/10/24 18:46	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/10/24 18:46	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

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

Lab Sample ID: MB 885-8193/4
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/10/24 18:46	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/10/24 18:46	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 18:46	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/10/24 18:46	1
2-Butanone	ND		10	2.0	ug/L			07/10/24 18:46	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 18:46	1
2-Hexanone	ND		10	1.8	ug/L			07/10/24 18:46	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 18:46	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 18:46	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/10/24 18:46	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/10/24 18:46	1
Acetone	ND		10	2.5	ug/L			07/10/24 18:46	1
Benzene	ND		1.0	0.23	ug/L			07/10/24 18:46	1
Bromobenzene	ND		1.0	0.28	ug/L			07/10/24 18:46	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/10/24 18:46	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/10/24 18:46	1
Bromoform	ND		1.0	0.31	ug/L			07/10/24 18:46	1
Bromomethane	ND		3.0	1.0	ug/L			07/10/24 18:46	1
Carbon disulfide	ND		10	1.0	ug/L			07/10/24 18:46	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/10/24 18:46	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/10/24 18:46	1
Chloroethane	ND		2.0	0.38	ug/L			07/10/24 18:46	1
Chloroform	ND		1.0	0.25	ug/L			07/10/24 18:46	1
Chloromethane	ND		3.0	0.41	ug/L			07/10/24 18:46	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/10/24 18:46	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/10/24 18:46	1
Dibromomethane	ND		1.0	0.31	ug/L			07/10/24 18:46	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/10/24 18:46	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/10/24 18:46	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/10/24 18:46	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/10/24 18:46	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/10/24 18:46	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/10/24 18:46	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/10/24 18:46	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/10/24 18:46	1
Naphthalene	ND		2.0	0.24	ug/L			07/10/24 18:46	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/10/24 18:46	1
Styrene	ND		1.0	0.14	ug/L			07/10/24 18:46	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/10/24 18:46	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/10/24 18:46	1
Toluene	ND		1.0	0.25	ug/L			07/10/24 18:46	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/10/24 18:46	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/10/24 18:46	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/10/24 18:46	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/10/24 18:46	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/10/24 18:46	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/10/24 18:46	1

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

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

Lab Sample ID: MB 885-8193/4
Matrix: Water
Analysis Batch: 8193

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)					07/10/24 18:46	1
Toluene-d8 (Surr)					07/10/24 18:46	1
4-Bromofluorobenzene (Surr)					07/10/24 18:46	1
Dibromofluoromethane (Surr)					07/10/24 18:46	1

Lab Sample ID: LCS 885-8193/3
Matrix: Water
Analysis Batch: 8193

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	171	179		ug/L		105	70 - 130
Benzene	171	183		ug/L		107	70 - 130
Chlorobenzene	171	212		ug/L		124	70 - 130
Toluene	171	205		ug/L		120	70 - 130
Trichloroethene (TCE)	171	170		ug/L		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
Toluene-d8 (Surr)	106		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-7495/34
Matrix: Water
Analysis Batch: 7495

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.25	mg/L			06/28/24 01:18	1
Sulfate	ND		0.50	0.25	mg/L			06/28/24 01:18	1

Lab Sample ID: LCS 885-7495/35
Matrix: Water
Analysis Batch: 7495

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.78		mg/L		96	90 - 110
Sulfate	10.0	9.72		mg/L		97	90 - 110

Lab Sample ID: MRL 885-7495/33
Matrix: Water
Analysis Batch: 7495

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.547		mg/L		109	50 - 150
Sulfate	0.500	0.513		mg/L		103	50 - 150

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-7007-1 MS — **Client Sample ID: EB-6-26-24**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7495

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		5.00	4.72		mg/L		94	80 - 120
Sulfate	ND		10.0	9.55		mg/L		95	80 - 120

Lab Sample ID: 885-7007-1 MSD — **Client Sample ID: EB-6-26-24**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7495

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		5.00	4.72		mg/L		94	80 - 120	0	20
Sulfate	ND		10.0	9.52		mg/L		95	80 - 120	0	20

Lab Sample ID: MB 885-7496/34 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7496

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			06/28/24 01:18	1

Lab Sample ID: LCS 885-7496/35 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7496

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.53		mg/L		101	90 - 110
Nitrite	1.00	0.940		mg/L		94	90 - 110

Lab Sample ID: MRL 885-7496/33 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7496

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.104		mg/L		104	50 - 150
Nitrite	0.0999	0.0934	J	mg/L		94	50 - 150

Lab Sample ID: 885-7007-1 MS — **Client Sample ID: EB-6-26-24**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7496

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	ND		2.50	2.49		mg/L		100	80 - 120
Nitrite	ND		1.00	0.923		mg/L		92	80 - 120

Lab Sample ID: 885-7007-1 MSD — **Client Sample ID: EB-6-26-24**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7496

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate	ND		2.50	2.49		mg/L		100	80 - 120	0	20
Nitrite	ND		1.00	0.926		mg/L		93	80 - 120	0	20

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MRL 885-7836/9 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7836

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.000500	0.000489	J	mg/L		98	50 - 150

Lab Sample ID: 885-7007-1 MS — **Client Sample ID: EB-6-26-24**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 7836 — **Prep Batch: 7594**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	ND		0.0125	0.0121		mg/L		97	70 - 130

Lab Sample ID: 885-7007-1 MSD — **Client Sample ID: EB-6-26-24**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 7836 — **Prep Batch: 7594**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	ND		0.0125	0.0120		mg/L		96	70 - 130	1	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-7818/16 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.020	0.00074	mg/L			07/02/24 08:14	1
Cadmium	ND		0.0020	0.00083	mg/L			07/02/24 08:14	1
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 08:14	1
Silver	ND		0.0050	0.0012	mg/L			07/02/24 08:14	1
Calcium	ND		1.0	0.089	mg/L			07/02/24 08:14	1
Sodium	ND		1.0	0.30	mg/L			07/02/24 08:14	1

Lab Sample ID: LCS 885-7818/18 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.467		mg/L		93	80 - 120
Cadmium	0.500	0.478		mg/L		96	80 - 120
Chromium	0.500	0.467		mg/L		93	80 - 120
Silver	0.500	0.502		mg/L		100	80 - 120
Calcium	50.0	52.1		mg/L		104	80 - 120
Sodium	50.0	51.3		mg/L		103	80 - 120

Lab Sample ID: MRL 885-7818/13 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7818

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.00200	0.00200		mg/L		100	50 - 150
Cadmium	0.00200	0.00200		mg/L		100	50 - 150
Chromium	0.00600	0.00593	J	mg/L		99	50 - 150

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MRL 885-7818/13 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7818

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.00500	0.00496	J	mg/L		99	50 - 150
Calcium	0.500	0.539	J	mg/L		108	50 - 150
Sodium	0.500	ND		mg/L		73	50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 885-8809/16 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			07/19/24 10:20	1
Lead	ND		0.0010	0.00050	mg/L			07/19/24 10:20	1
Selenium	ND		0.0010	0.00080	mg/L			07/19/24 10:20	1

Lab Sample ID: MB 885-8809/19 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			07/19/24 10:34	1
Lead	ND		0.0010	0.00050	mg/L			07/19/24 10:34	1
Selenium	ND		0.0010	0.00080	mg/L			07/19/24 10:34	1

Lab Sample ID: LCS 885-8809/17 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0492		mg/L		98	80 - 120
Lead	0.0500	0.0523		mg/L		105	80 - 120
Selenium	0.0500	0.0499		mg/L		100	80 - 120

Lab Sample ID: LCS 885-8809/20 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0511		mg/L		102	80 - 120
Lead	0.0500	0.0519		mg/L		104	80 - 120
Selenium	0.0500	0.0523		mg/L		105	80 - 120

Lab Sample ID: LCSD 885-8809/18 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0498		mg/L		100	80 - 120	1	20
Lead	0.0500	0.0524		mg/L		105	80 - 120	0	20
Selenium	0.0500	0.0531		mg/L		106	80 - 120	6	20

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 885-8809/21 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0502		mg/L		100	80 - 120	2	20
Lead	0.0500	0.0522		mg/L		104	80 - 120	1	20
Selenium	0.0500	0.0519		mg/L		104	80 - 120	1	20

Lab Sample ID: MRL 885-8809/9 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000949	J	mg/L		95	70 - 130
Lead	0.00100	0.00104		mg/L		104	70 - 130
Selenium	0.00100	0.00108		mg/L		108	70 - 130

Lab Sample ID: MB 885-8837/15 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			07/19/24 15:17	1
Lead	ND		0.0010	0.00050	mg/L			07/19/24 15:17	1
Selenium	ND		0.0010	0.00080	mg/L			07/19/24 15:17	1

Lab Sample ID: MB 885-8837/18 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			07/19/24 15:30	1
Lead	ND		0.0010	0.00050	mg/L			07/19/24 15:30	1
Selenium	ND		0.0010	0.00080	mg/L			07/19/24 15:30	1

Lab Sample ID: LCS 885-8837/16 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0509		mg/L		102	80 - 120
Lead	0.0500	0.0499		mg/L		100	80 - 120
Selenium	0.0500	0.0508		mg/L		102	80 - 120

Lab Sample ID: LCS 885-8837/19 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0510		mg/L		102	80 - 120
Lead	0.0500	0.0514		mg/L		103	80 - 120
Selenium	0.0500	0.0517		mg/L		103	80 - 120

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 885-8837/17
Matrix: Water
Analysis Batch: 8837

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0520		mg/L		104	80 - 120	2	20
Lead	0.0500	0.0504		mg/L		101	80 - 120	1	20
Selenium	0.0500	0.0497		mg/L		99	80 - 120	2	20

Lab Sample ID: LCSD 885-8837/20
Matrix: Water
Analysis Batch: 8837

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0500		mg/L		100	80 - 120	2	20
Lead	0.0500	0.0510		mg/L		102	80 - 120	1	20
Selenium	0.0500	0.0481		mg/L		96	80 - 120	7	20

Lab Sample ID: MRL 885-8837/9
Matrix: Water
Analysis Batch: 8837

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000929	J	mg/L		93	70 - 130
Lead	0.00100	0.000926	J	mg/L		93	70 - 130
Selenium	0.00100	ND		mg/L		79	70 - 130

Lab Sample ID: MB 885-9029/21
Matrix: Water
Analysis Batch: 9029

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			07/23/24 12:53	1
Lead	ND		0.0010	0.00050	mg/L			07/23/24 12:53	1
Selenium	ND		0.0010	0.00080	mg/L			07/23/24 12:53	1

Lab Sample ID: LCS 885-9029/22
Matrix: Water
Analysis Batch: 9029

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0545		mg/L		109	80 - 120
Lead	0.0500	0.0524		mg/L		105	80 - 120
Selenium	0.0500	0.0545		mg/L		109	80 - 120

Lab Sample ID: LCSD 885-9029/23
Matrix: Water
Analysis Batch: 9029

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0531		mg/L		106	80 - 120	3	20
Lead	0.0500	0.0509		mg/L		102	80 - 120	3	20
Selenium	0.0500	0.0526		mg/L		105	80 - 120	3	20

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-9029/15
Matrix: Water
Analysis Batch: 9029

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00111		mg/L		111	70 - 130
Lead	0.00100	0.00109		mg/L		109	70 - 130
Selenium	0.00100	0.000912	J	mg/L		91	70 - 130

Lab Sample ID: MB 885-8531/1-A
Matrix: Water
Analysis Batch: 8809

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 8531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		07/16/24 17:53	07/19/24 11:46	5
Lead	ND		0.0050	0.0025	mg/L		07/16/24 17:53	07/19/24 11:46	5
Selenium	ND		0.0050	0.0040	mg/L		07/16/24 17:53	07/19/24 11:46	5

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 885-8087/1-A
Matrix: Water
Analysis Batch: 8266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 09:15	1

Lab Sample ID: LCS 885-8087/3-A
Matrix: Water
Analysis Batch: 8266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00488		mg/L		98	85 - 115

Lab Sample ID: LLCS 885-8087/2-A
Matrix: Water
Analysis Batch: 8266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8087

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000121	J	mg/L		81	50 - 150

Lab Sample ID: MRL 885-8089/9-A
Matrix: Water
Analysis Batch: 8266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8089

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000190	J	mg/L		127	50 - 150

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-7767/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	25	mg/L			07/02/24 10:24	1

Lab Sample ID: LCS 885-7767/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7767

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1030		mg/L		103	80 - 120

Lab Sample ID: 885-7007-1 DU — **Client Sample ID: EB-6-26-24**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7767

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	ND		ND		mg/L		NC	10

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-8149/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			07/08/24 13:19	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			07/08/24 13:19	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			07/08/24 13:19	1

Lab Sample ID: LCS 885-8149/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8149

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	77.8		mg/L		92	90 - 110

Lab Sample ID: MRL 885-8149/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8149

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	24.7		mg/L		117	50 - 150

Lab Sample ID: MB 885-8150/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			07/09/24 12:46	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			07/09/24 12:46	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			07/09/24 12:46	1

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 885-8150/48 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			07/10/24 00:11	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			07/10/24 00:11	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			07/10/24 00:11	1

Lab Sample ID: LCS 885-8150/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	79.6		mg/L		94	90 - 110

Lab Sample ID: LCS 885-8150/49 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	79.3		mg/L		93	90 - 110

Lab Sample ID: MRL 885-8150/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8150

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	23.0		mg/L		108	50 - 150

Lab Sample ID: 885-7007-2 DU — **Client Sample ID: DUP-6-26-24**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8150

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	170		166		mg/L		0.1	20
Bicarbonate Alkalinity as CaCO3	170		166		mg/L		0.1	
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	

Method: SM 4500 H+ B - pH

Lab Sample ID: 885-7007-2 DU — **Client Sample ID: DUP-6-26-24**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8154

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.7	HF	7.7		SU		0.3	20

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

GC/MS VOA

Analysis Batch: 8068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Total/NA	Water	8260B	
885-7007-2	DUP-6-26-24	Total/NA	Water	8260B	
885-7007-3	Trip Blank	Total/NA	Water	8260B	
885-7007-4	WMW-1R	Total/NA	Water	8260B	
885-7007-5	WMW-2	Total/NA	Water	8260B	
885-7007-6	WMW-4	Total/NA	Water	8260B	
885-7007-7	WMW-5	Total/NA	Water	8260B	
885-7007-8	WMW-9	Total/NA	Water	8260B	
885-7007-9	FB-6-26-24	Total/NA	Water	8260B	
MB 885-8068/38	Method Blank	Total/NA	Water	8260B	
MB 885-8068/5	Method Blank	Total/NA	Water	8260B	
LCS 885-8068/37	Lab Control Sample	Total/NA	Water	8260B	
LCS 885-8068/4	Lab Control Sample	Total/NA	Water	8260B	
885-7007-6 MS	WMW-4	Total/NA	Water	8260B	
885-7007-6 MSD	WMW-4	Total/NA	Water	8260B	

Analysis Batch: 8193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-5	WMW-2	Total/NA	Water	8260B	
885-7007-8	WMW-9	Total/NA	Water	8260B	
MB 885-8193/4	Method Blank	Total/NA	Water	8260B	
LCS 885-8193/3	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 7570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Total/NA	Water	3510C	
885-7007-2	DUP-6-26-24	Total/NA	Water	3510C	
885-7007-4	WMW-1R	Total/NA	Water	3510C	
885-7007-5	WMW-2	Total/NA	Water	3510C	
885-7007-6	WMW-4	Total/NA	Water	3510C	
885-7007-7	WMW-5	Total/NA	Water	3510C	
885-7007-8	WMW-9	Total/NA	Water	3510C	

Analysis Batch: 8534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Total/NA	Water	8270C	7570
885-7007-2	DUP-6-26-24	Total/NA	Water	8270C	7570
885-7007-4	WMW-1R	Total/NA	Water	8270C	7570
885-7007-5	WMW-2	Total/NA	Water	8270C	7570
885-7007-6	WMW-4	Total/NA	Water	8270C	7570
885-7007-7	WMW-5	Total/NA	Water	8270C	7570
885-7007-8	WMW-9	Total/NA	Water	8270C	7570

HPLC/IC

Analysis Batch: 7495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Total/NA	Water	300.0	
885-7007-2	DUP-6-26-24	Total/NA	Water	300.0	
885-7007-4	WMW-1R	Total/NA	Water	300.0	

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

HPLC/IC (Continued)

Analysis Batch: 7495 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-5	WMW-2	Total/NA	Water	300.0	
885-7007-5	WMW-2	Total/NA	Water	300.0	
885-7007-6	WMW-4	Total/NA	Water	300.0	
885-7007-7	WMW-5	Total/NA	Water	300.0	
885-7007-8	WMW-9	Total/NA	Water	300.0	
885-7007-8	WMW-9	Total/NA	Water	300.0	
MB 885-7495/34	Method Blank	Total/NA	Water	300.0	
LCS 885-7495/35	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-7495/33	Lab Control Sample	Total/NA	Water	300.0	
885-7007-1 MS	EB-6-26-24	Total/NA	Water	300.0	
885-7007-1 MSD	EB-6-26-24	Total/NA	Water	300.0	

Analysis Batch: 7496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Total/NA	Water	300.0	
885-7007-2	DUP-6-26-24	Total/NA	Water	300.0	
885-7007-4	WMW-1R	Total/NA	Water	300.0	
885-7007-5	WMW-2	Total/NA	Water	300.0	
885-7007-6	WMW-4	Total/NA	Water	300.0	
885-7007-7	WMW-5	Total/NA	Water	300.0	
885-7007-8	WMW-9	Total/NA	Water	300.0	
MB 885-7496/34	Method Blank	Total/NA	Water	300.0	
LCS 885-7496/35	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-7496/33	Lab Control Sample	Total/NA	Water	300.0	
885-7007-1 MS	EB-6-26-24	Total/NA	Water	300.0	
885-7007-1 MSD	EB-6-26-24	Total/NA	Water	300.0	

Metals

Prep Batch: 7594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Total Recoverable	Water	200.2	
885-7007-2	DUP-6-26-24	Total Recoverable	Water	200.2	
885-7007-4	WMW-1R	Total Recoverable	Water	200.2	
885-7007-5	WMW-2	Total Recoverable	Water	200.2	
885-7007-6	WMW-4	Total Recoverable	Water	200.2	
885-7007-7	WMW-5	Total Recoverable	Water	200.2	
885-7007-8	WMW-9	Total Recoverable	Water	200.2	
885-7007-1 MS	EB-6-26-24	Total Recoverable	Water	200.2	
885-7007-1 MSD	EB-6-26-24	Total Recoverable	Water	200.2	

Analysis Batch: 7818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Dissolved	Water	6010B	
885-7007-2	DUP-6-26-24	Dissolved	Water	6010B	
885-7007-2	DUP-6-26-24	Dissolved	Water	6010B	
885-7007-4	WMW-1R	Dissolved	Water	6010B	
885-7007-4	WMW-1R	Dissolved	Water	6010B	
885-7007-5	WMW-2	Dissolved	Water	6010B	
885-7007-5	WMW-2	Dissolved	Water	6010B	
885-7007-6	WMW-4	Dissolved	Water	6010B	

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Metals (Continued)

Analysis Batch: 7818 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-6	WMW-4	Dissolved	Water	6010B	
885-7007-6	WMW-4	Dissolved	Water	6010B	
885-7007-7	WMW-5	Dissolved	Water	6010B	
885-7007-7	WMW-5	Dissolved	Water	6010B	
885-7007-7	WMW-5	Dissolved	Water	6010B	
885-7007-8	WMW-9	Dissolved	Water	6010B	
885-7007-8	WMW-9	Dissolved	Water	6010B	
MB 885-7818/16	Method Blank	Total/NA	Water	6010B	
LCS 885-7818/18	Lab Control Sample	Total/NA	Water	6010B	
MRL 885-7818/13	Lab Control Sample	Total/NA	Water	6010B	

Analysis Batch: 7836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Total Recoverable	Water	200.8	7594
885-7007-2	DUP-6-26-24	Total Recoverable	Water	200.8	7594
885-7007-4	WMW-1R	Total Recoverable	Water	200.8	7594
885-7007-5	WMW-2	Total Recoverable	Water	200.8	7594
885-7007-6	WMW-4	Total Recoverable	Water	200.8	7594
885-7007-7	WMW-5	Total Recoverable	Water	200.8	7594
885-7007-8	WMW-9	Total Recoverable	Water	200.8	7594
MRL 885-7836/9	Lab Control Sample	Total/NA	Water	200.8	
885-7007-1 MS	EB-6-26-24	Total Recoverable	Water	200.8	7594
885-7007-1 MSD	EB-6-26-24	Total Recoverable	Water	200.8	7594

Prep Batch: 8087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Total/NA	Water	7470A	
885-7007-2	DUP-6-26-24	Total/NA	Water	7470A	
885-7007-4	WMW-1R	Total/NA	Water	7470A	
885-7007-5	WMW-2	Total/NA	Water	7470A	
885-7007-6	WMW-4	Total/NA	Water	7470A	
885-7007-7	WMW-5	Total/NA	Water	7470A	
885-7007-8	WMW-9	Total/NA	Water	7470A	
MB 885-8087/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-8087/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-8087/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 8089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-8089/9-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 8266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Total/NA	Water	7470A	8087
885-7007-2	DUP-6-26-24	Total/NA	Water	7470A	8087
885-7007-4	WMW-1R	Total/NA	Water	7470A	8087
885-7007-5	WMW-2	Total/NA	Water	7470A	8087
885-7007-6	WMW-4	Total/NA	Water	7470A	8087
885-7007-7	WMW-5	Total/NA	Water	7470A	8087
885-7007-8	WMW-9	Total/NA	Water	7470A	8087
MB 885-8087/1-A	Method Blank	Total/NA	Water	7470A	8087

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Metals (Continued)

Analysis Batch: 8266 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-8087/3-A	Lab Control Sample	Total/NA	Water	7470A	8087
LLCS 885-8087/2-A	Lab Control Sample	Total/NA	Water	7470A	8087
MRL 885-8089/9-A	Lab Control Sample	Total/NA	Water	7470A	8089

Prep Batch: 8531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-8531/1-A	Method Blank	Dissolved	Water	3005A	
LCS 885-8531/3-A	Lab Control Sample	Dissolved	Water	3005A	

Analysis Batch: 8809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-8531/1-A	Method Blank	Dissolved	Water	6020A	8531
MB 885-8809/16	Method Blank	Total/NA	Water	6020A	
MB 885-8809/19	Method Blank	Total/NA	Water	6020A	
LCS 885-8531/3-A	Lab Control Sample	Dissolved	Water	6020A	8531
LCS 885-8809/17	Lab Control Sample	Total/NA	Water	6020A	
LCS 885-8809/20	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-8809/18	Lab Control Sample Dup	Total/NA	Water	6020A	
LCSD 885-8809/21	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-8809/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 8837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Dissolved	Water	6020A	
885-7007-2	DUP-6-26-24	Dissolved	Water	6020A	
885-7007-4	WMW-1R	Dissolved	Water	6020A	
885-7007-5	WMW-2	Dissolved	Water	6020A	
885-7007-6	WMW-4	Dissolved	Water	6020A	
885-7007-7	WMW-5	Dissolved	Water	6020A	
885-7007-8	WMW-9	Dissolved	Water	6020A	
MB 885-8837/15	Method Blank	Total/NA	Water	6020A	
MB 885-8837/18	Method Blank	Total/NA	Water	6020A	
LCS 885-8837/16	Lab Control Sample	Total/NA	Water	6020A	
LCS 885-8837/19	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-8837/17	Lab Control Sample Dup	Total/NA	Water	6020A	
LCSD 885-8837/20	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-8837/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 9029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Dissolved	Water	6020A	
885-7007-2	DUP-6-26-24	Dissolved	Water	6020A	
885-7007-4	WMW-1R	Dissolved	Water	6020A	
885-7007-5	WMW-2	Dissolved	Water	6020A	
885-7007-6	WMW-4	Dissolved	Water	6020A	
885-7007-7	WMW-5	Dissolved	Water	6020A	
885-7007-8	WMW-9	Dissolved	Water	6020A	
MB 885-9029/21	Method Blank	Total/NA	Water	6020A	
LCS 885-9029/22	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-9029/23	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-9029/15	Lab Control Sample	Total/NA	Water	6020A	

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

General Chemistry

Analysis Batch: 7767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Total/NA	Water	2540C	
885-7007-2	DUP-6-26-24	Total/NA	Water	2540C	
885-7007-4	WMW-1R	Total/NA	Water	2540C	
885-7007-5	WMW-2	Total/NA	Water	2540C	
885-7007-6	WMW-4	Total/NA	Water	2540C	
885-7007-7	WMW-5	Total/NA	Water	2540C	
885-7007-8	WMW-9	Total/NA	Water	2540C	
MB 885-7767/1	Method Blank	Total/NA	Water	2540C	
LCS 885-7767/2	Lab Control Sample	Total/NA	Water	2540C	
885-7007-1 DU	EB-6-26-24	Total/NA	Water	2540C	

Analysis Batch: 8149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Total/NA	Water	SM 2320B	
MB 885-8149/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-8149/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-8149/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 8150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-2	DUP-6-26-24	Total/NA	Water	SM 2320B	
885-7007-4	WMW-1R	Total/NA	Water	SM 2320B	
885-7007-5	WMW-2	Total/NA	Water	SM 2320B	
885-7007-6	WMW-4	Total/NA	Water	SM 2320B	
885-7007-7	WMW-5	Total/NA	Water	SM 2320B	
885-7007-8	WMW-9	Total/NA	Water	SM 2320B	
MB 885-8150/2	Method Blank	Total/NA	Water	SM 2320B	
MB 885-8150/48	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-8150/3	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 885-8150/49	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-8150/1	Lab Control Sample	Total/NA	Water	SM 2320B	
885-7007-2 DU	DUP-6-26-24	Total/NA	Water	SM 2320B	

Analysis Batch: 8153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-1	EB-6-26-24	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 8154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7007-2	DUP-6-26-24	Total/NA	Water	SM 4500 H+ B	
885-7007-4	WMW-1R	Total/NA	Water	SM 4500 H+ B	
885-7007-5	WMW-2	Total/NA	Water	SM 4500 H+ B	
885-7007-6	WMW-4	Total/NA	Water	SM 4500 H+ B	
885-7007-7	WMW-5	Total/NA	Water	SM 4500 H+ B	
885-7007-8	WMW-9	Total/NA	Water	SM 4500 H+ B	
885-7007-2 DU	DUP-6-26-24	Total/NA	Water	SM 4500 H+ B	

Lab Chronicle

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

Client Sample ID: EB-6-26-24
Lab Sample ID: 885-7007-1

Date Collected: 06/26/24 08:00
Matrix: Water
Date Received: 06/27/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	8068	RA	EET ALB	07/10/24 08:10
Total/NA	Prep	3510C			7570	JM	EET ALB	06/28/24 06:56
Total/NA	Analysis	8270C		1	8534	MB	EET ALB	07/17/24 09:47
Total/NA	Analysis	300.0		1	7495	RC	EET ALB	06/28/24 03:01
Total/NA	Analysis	300.0		1	7496	RC	EET ALB	06/28/24 03:01
Total Recoverable	Prep	200.2			7594	TM	EET ALB	06/28/24 10:13
Total Recoverable	Analysis	200.8		1	7836	ES	EET ALB	07/02/24 15:24
Dissolved	Analysis	6010B		1	7818	VP	EET ALB	07/02/24 09:15
Dissolved	Analysis	6020A		20	8837	BV	EET ALB	07/19/24 17:43
Dissolved	Analysis	6020A		20	9029	BV	EET ALB	07/23/24 13:47
Total/NA	Prep	7470A			8087	TM	EET ALB	07/09/24 16:34
Total/NA	Analysis	7470A		1	8266	TM	EET ALB	07/11/24 10:06
Total/NA	Analysis	2540C		1	7767	KB	EET ALB	07/02/24 10:24
Total/NA	Analysis	SM 2320B		1	8149	DL	EET ALB	07/08/24 17:21
Total/NA	Analysis	SM 4500 H+ B		1	8153	DL	EET ALB	07/08/24 17:21

Client Sample ID: DUP-6-26-24
Lab Sample ID: 885-7007-2

Date Collected: 06/26/24 00:00
Matrix: Water
Date Received: 06/27/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		2	8068	RA	EET ALB	07/10/24 08:38
Total/NA	Prep	3510C			7570	JM	EET ALB	06/28/24 06:56
Total/NA	Analysis	8270C		10	8534	MB	EET ALB	07/17/24 10:29
Total/NA	Analysis	300.0		10	7495	RC	EET ALB	06/28/24 03:53
Total/NA	Analysis	300.0		10	7496	RC	EET ALB	06/28/24 03:53
Total Recoverable	Prep	200.2			7594	TM	EET ALB	06/28/24 10:13
Total Recoverable	Analysis	200.8		5	7836	ES	EET ALB	07/02/24 15:32
Dissolved	Analysis	6010B		1	7818	VP	EET ALB	07/02/24 09:19
Dissolved	Analysis	6010B		5	7818	VP	EET ALB	07/02/24 09:22
Dissolved	Analysis	6020A		20	8837	BV	EET ALB	07/19/24 17:47
Dissolved	Analysis	6020A		20	9029	BV	EET ALB	07/23/24 13:51
Total/NA	Prep	7470A			8087	TM	EET ALB	07/09/24 16:34
Total/NA	Analysis	7470A		1	8266	TM	EET ALB	07/11/24 10:13
Total/NA	Analysis	2540C		1	7767	KB	EET ALB	07/02/24 10:24
Total/NA	Analysis	SM 2320B		1	8150	DL	EET ALB	07/09/24 13:01
Total/NA	Analysis	SM 4500 H+ B		1	8154	DL	EET ALB	07/09/24 13:01

Lab Chronicle

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

Client Sample ID: Trip Blank
Lab Sample ID: 885-7007-3
Date Collected: 06/26/24 00:00
Matrix: Water
Date Received: 06/27/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	8068	RA	EET ALB	07/09/24 18:22

Client Sample ID: WMW-1R
Lab Sample ID: 885-7007-4
Date Collected: 06/26/24 10:53
Matrix: Water
Date Received: 06/27/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		2	8068	RA	EET ALB	07/10/24 09:07
Total/NA	Prep	3510C			7570	JM	EET ALB	06/28/24 06:56
Total/NA	Analysis	8270C		10	8534	MB	EET ALB	07/17/24 11:12
Total/NA	Analysis	300.0		10	7495	RC	EET ALB	06/28/24 04:45
Total/NA	Analysis	300.0		10	7496	RC	EET ALB	06/28/24 04:45
Total Recoverable	Prep	200.2			7594	TM	EET ALB	06/28/24 10:13
Total Recoverable	Analysis	200.8		5	7836	ES	EET ALB	07/02/24 15:34
Dissolved	Analysis	6010B		1	7818	VP	EET ALB	07/02/24 09:26
Dissolved	Analysis	6010B		5	7818	VP	EET ALB	07/02/24 09:29
Dissolved	Analysis	6020A		20	8837	BV	EET ALB	07/19/24 17:52
Dissolved	Analysis	6020A		20	9029	BV	EET ALB	07/23/24 13:56
Total/NA	Prep	7470A			8087	TM	EET ALB	07/09/24 16:34
Total/NA	Analysis	7470A		1	8266	TM	EET ALB	07/11/24 10:15
Total/NA	Analysis	2540C		1	7767	KB	EET ALB	07/02/24 10:24
Total/NA	Analysis	SM 2320B		1	8150	DL	EET ALB	07/09/24 13:22
Total/NA	Analysis	SM 4500 H+ B		1	8154	DL	EET ALB	07/09/24 13:22

Client Sample ID: WMW-2
Lab Sample ID: 885-7007-5
Date Collected: 06/26/24 10:10
Matrix: Water
Date Received: 06/27/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		500	8068	RA	EET ALB	07/10/24 09:35
Total/NA	Analysis	8260B		50	8193	JR	EET ALB	07/10/24 19:44
Total/NA	Prep	3510C			7570	JM	EET ALB	06/28/24 06:56
Total/NA	Analysis	8270C		10	8534	MB	EET ALB	07/17/24 11:54
Total/NA	Analysis	300.0		10	7495	RC	EET ALB	06/28/24 05:10
Total/NA	Analysis	300.0		10	7496	RC	EET ALB	06/28/24 05:10
Total/NA	Analysis	300.0		100	7495	RC	EET ALB	06/28/24 05:23
Total Recoverable	Prep	200.2			7594	TM	EET ALB	06/28/24 10:13
Total Recoverable	Analysis	200.8		5	7836	ES	EET ALB	07/02/24 15:37
Dissolved	Analysis	6010B		50	7818	VP	EET ALB	07/02/24 09:36
Dissolved	Analysis	6010B		1	7818	VP	EET ALB	07/02/24 09:44
Dissolved	Analysis	6020A		20	8837	BV	EET ALB	07/19/24 18:05
Dissolved	Analysis	6020A		20	9029	BV	EET ALB	07/23/24 14:01

Lab Chronicle

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-2

Lab Sample ID: 885-7007-5
Date Collected: 06/26/24 10:10
Matrix: Water
Date Received: 06/27/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			8087	TM	EET ALB	07/09/24 16:34
Total/NA	Analysis	7470A		1	8266	TM	EET ALB	07/11/24 10:18
Total/NA	Analysis	2540C		1	7767	KB	EET ALB	07/02/24 10:24
Total/NA	Analysis	SM 2320B		1	8150	DL	EET ALB	07/09/24 13:33
Total/NA	Analysis	SM 4500 H+ B		1	8154	DL	EET ALB	07/09/24 13:33

Client Sample ID: WMW-4

Lab Sample ID: 885-7007-6
Date Collected: 06/26/24 09:45
Matrix: Water
Date Received: 06/27/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	8068	RA	EET ALB	07/10/24 11:29
Total/NA	Prep	3510C			7570	JM	EET ALB	06/28/24 06:56
Total/NA	Analysis	8270C		1	8534	MB	EET ALB	07/17/24 12:36
Total/NA	Analysis	300.0		10	7496	RC	EET ALB	06/28/24 05:36
Total/NA	Analysis	300.0		100	7495	RC	EET ALB	06/28/24 05:49
Total Recoverable	Prep	200.2			7594	TM	EET ALB	06/28/24 10:13
Total Recoverable	Analysis	200.8		1	7836	ES	EET ALB	07/02/24 15:40
Dissolved	Analysis	6010B		1	7818	VP	EET ALB	07/02/24 09:47
Dissolved	Analysis	6010B		5	7818	VP	EET ALB	07/02/24 09:49
Dissolved	Analysis	6010B		50	7818	VP	EET ALB	07/02/24 09:51
Dissolved	Analysis	6020A		20	8837	BV	EET ALB	07/19/24 18:10
Dissolved	Analysis	6020A		20	9029	BV	EET ALB	07/23/24 14:05
Total/NA	Prep	7470A			8087	TM	EET ALB	07/09/24 16:34
Total/NA	Analysis	7470A		1	8266	TM	EET ALB	07/11/24 10:20
Total/NA	Analysis	2540C		1	7767	KB	EET ALB	07/02/24 10:24
Total/NA	Analysis	SM 2320B		1	8150	DL	EET ALB	07/09/24 14:06
Total/NA	Analysis	SM 4500 H+ B		1	8154	DL	EET ALB	07/09/24 14:06

Client Sample ID: WMW-5

Lab Sample ID: 885-7007-7
Date Collected: 06/26/24 11:30
Matrix: Water
Date Received: 06/27/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	8068	RA	EET ALB	07/10/24 12:55
Total/NA	Prep	3510C			7570	JM	EET ALB	06/28/24 06:56
Total/NA	Analysis	8270C		1	8534	MB	EET ALB	07/17/24 13:19
Total/NA	Analysis	300.0		10	7496	RC	EET ALB	06/28/24 06:01
Total/NA	Analysis	300.0		100	7495	RC	EET ALB	06/28/24 06:14
Total Recoverable	Prep	200.2			7594	TM	EET ALB	06/28/24 10:13
Total Recoverable	Analysis	200.8		1	7836	ES	EET ALB	07/02/24 15:42
Dissolved	Analysis	6010B		1	7818	VP	EET ALB	07/02/24 09:54
Dissolved	Analysis	6010B		5	7818	VP	EET ALB	07/02/24 09:56

Lab Chronicle

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Client Sample ID: WMW-5

Lab Sample ID: 885-7007-7
Date Collected: 06/26/24 11:30
Matrix: Water
Date Received: 06/27/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6010B		50	7818	VP	EET ALB	07/02/24 09:59
Dissolved	Analysis	6020A		20	8837	BV	EET ALB	07/19/24 18:14
Dissolved	Analysis	6020A		20	9029	BV	EET ALB	07/23/24 14:19
Total/NA	Prep	7470A			8087	TM	EET ALB	07/09/24 16:34
Total/NA	Analysis	7470A		1	8266	TM	EET ALB	07/11/24 10:23
Total/NA	Analysis	2540C		1	7767	KB	EET ALB	07/02/24 10:24
Total/NA	Analysis	SM 2320B		1	8150	DL	EET ALB	07/09/24 14:34
Total/NA	Analysis	SM 4500 H+ B		1	8154	DL	EET ALB	07/09/24 14:34

Client Sample ID: WMW-9

Lab Sample ID: 885-7007-8
Date Collected: 06/26/24 12:00
Matrix: Water
Date Received: 06/27/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		50	8068	RA	EET ALB	07/10/24 13:24
Total/NA	Analysis	8260B		500	8193	JR	EET ALB	07/10/24 20:41
Total/NA	Prep	3510C			7570	JM	EET ALB	06/28/24 06:56
Total/NA	Analysis	8270C		1	8534	MB	EET ALB	07/17/24 14:02
Total/NA	Analysis	300.0		10	7495	RC	EET ALB	06/28/24 06:27
Total/NA	Analysis	300.0		10	7496	RC	EET ALB	06/28/24 06:27
Total/NA	Analysis	300.0		100	7495	RC	EET ALB	06/28/24 06:40
Total Recoverable	Prep	200.2			7594	TM	EET ALB	06/28/24 10:13
Total Recoverable	Analysis	200.8		1	7836	ES	EET ALB	07/02/24 15:50
Dissolved	Analysis	6010B		1	7818	VP	EET ALB	07/02/24 10:01
Dissolved	Analysis	6010B		50	7818	VP	EET ALB	07/02/24 10:06
Dissolved	Analysis	6020A		20	8837	BV	EET ALB	07/19/24 18:19
Dissolved	Analysis	6020A		20	9029	BV	EET ALB	07/23/24 14:23
Total/NA	Prep	7470A			8087	TM	EET ALB	07/09/24 16:34
Total/NA	Analysis	7470A		1	8266	TM	EET ALB	07/11/24 10:25
Total/NA	Analysis	2540C		1	7767	KB	EET ALB	07/02/24 10:24
Total/NA	Analysis	SM 2320B		2.5	8150	DL	EET ALB	07/10/24 00:26
Total/NA	Analysis	SM 4500 H+ B		1	8154	DL	EET ALB	07/09/24 15:01

Client Sample ID: FB-6-26-24

Lab Sample ID: 885-7007-9
Date Collected: 06/26/24 12:00
Matrix: Water
Date Received: 06/27/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	8068	RA	EET ALB	07/10/24 13:52

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
200.8	200.2	Water	Uranium
2540C		Water	Total Dissolved Solids
300.0		Water	Chloride
300.0		Water	Nitrate Nitrite as N
300.0		Water	Sulfate
6010B		Water	Barium
6010B		Water	Cadmium
6010B		Water	Calcium
6010B		Water	Chromium
6010B		Water	Silver
6010B		Water	Sodium
6020A		Water	Arsenic
6020A		Water	Lead
6020A		Water	Selenium
7470A	7470A	Water	Mercury
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene
8260B		Water	1,2-Dibromo-3-Chloropropane
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone

Accreditation/Certification Summary

Client: Trihydro Corporation
Job ID: 885-7007-1
Project/Site: Wingate 2023 Annual GW Sampling

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)
8260B		Water	Toluene
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
8270C	3510C	Water	1,2,4-Trichlorobenzene
8270C	3510C	Water	1,2-Dichlorobenzene
8270C	3510C	Water	1,3-Dichlorobenzene
8270C	3510C	Water	1,4-Dichlorobenzene
8270C	3510C	Water	1-Methylnaphthalene
8270C	3510C	Water	2,4,5-Trichlorophenol
8270C	3510C	Water	2,4,6-Trichlorophenol
8270C	3510C	Water	2,4-Dichlorophenol
8270C	3510C	Water	2,4-Dimethylphenol
8270C	3510C	Water	2,4-Dinitrophenol
8270C	3510C	Water	2,4-Dinitrotoluene
8270C	3510C	Water	2,6-Dinitrotoluene

Accreditation/Certification Summary

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	2-Chloronaphthalene
8270C	3510C	Water	2-Chlorophenol
8270C	3510C	Water	2-Methylnaphthalene
8270C	3510C	Water	2-Methylphenol
8270C	3510C	Water	2-Nitroaniline
8270C	3510C	Water	2-Nitrophenol
8270C	3510C	Water	3 & 4 Methylphenol
8270C	3510C	Water	3,3'-Dichlorobenzidine
8270C	3510C	Water	3-Nitroaniline
8270C	3510C	Water	4,6-Dinitro-2-methylphenol
8270C	3510C	Water	4-Bromophenyl phenyl ether
8270C	3510C	Water	4-Chloro-3-methylphenol
8270C	3510C	Water	4-Chloroaniline
8270C	3510C	Water	4-Chlorophenyl phenyl ether
8270C	3510C	Water	4-Nitroaniline
8270C	3510C	Water	4-Nitrophenol
8270C	3510C	Water	Acenaphthene
8270C	3510C	Water	Acenaphthylene
8270C	3510C	Water	Aniline
8270C	3510C	Water	Anthracene
8270C	3510C	Water	Azobenzene
8270C	3510C	Water	Benzo[a]anthracene
8270C	3510C	Water	Benzo[a]pyrene
8270C	3510C	Water	Benzo[b]fluoranthene
8270C	3510C	Water	Benzo[g,h,i]perylene
8270C	3510C	Water	Benzo[k]fluoranthene
8270C	3510C	Water	Benzoic acid
8270C	3510C	Water	Benzyl alcohol
8270C	3510C	Water	bis (2-Chloroisopropyl) ether
8270C	3510C	Water	Bis(2-chloroethoxy)methane
8270C	3510C	Water	Bis(2-chloroethyl)ether
8270C	3510C	Water	Bis(2-ethylhexyl) phthalate
8270C	3510C	Water	Butyl benzyl phthalate
8270C	3510C	Water	Carbazole
8270C	3510C	Water	Chrysene
8270C	3510C	Water	Dibenz(a,h)anthracene
8270C	3510C	Water	Dibenzofuran
8270C	3510C	Water	Diethyl phthalate
8270C	3510C	Water	Dimethyl phthalate
8270C	3510C	Water	Di-n-butyl phthalate
8270C	3510C	Water	Di-n-octyl phthalate
8270C	3510C	Water	Fluoranthene
8270C	3510C	Water	Fluorene
8270C	3510C	Water	Hexachlorobenzene
8270C	3510C	Water	Hexachlorobutadiene
8270C	3510C	Water	Hexachlorocyclopentadiene
8270C	3510C	Water	Hexachloroethane

Accreditation/Certification Summary

Client: Trihydro Corporation
Project/Site: Wingate 2023 Annual GW Sampling

Job ID: 885-7007-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	Indeno[1,2,3-cd]pyrene
8270C	3510C	Water	Isophorone
8270C	3510C	Water	Naphthalene
8270C	3510C	Water	Nitrobenzene
8270C	3510C	Water	N-Nitrosodimethylamine
8270C	3510C	Water	N-Nitrosodi-n-propylamine
8270C	3510C	Water	N-Nitrosodiphenylamine
8270C	3510C	Water	Pentachlorophenol
8270C	3510C	Water	Phenanthrene
8270C	3510C	Water	Phenol
8270C	3510C	Water	Pyrene
8270C	3510C	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 4500 H+ B		Water	pH

Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3

Chain-of-Custody Record

Client: Marathon Petroleum Company

Mailing Address: 92 Giant Crossing Rd.
Jamestown, NM 87347

Phone #: 970-227-4443

email or Fax#: cfields@trihydro.com

QA/QC Package:
X Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

X EDD (Type)

Turn-Around Time:
☐ Standard X Rush

Project Name:
Wingate 2023 Annual GW Sampling

Project #:
00697-080-004

Project Manager:
Caitlin Fields/Beth Butler

Sampler:

On Ice: ☐ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 7.8+0.1=2.7 4.9+0.1=5.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-7007 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	8260-VOC	8270-SVOC	6010-Dissolved Metals	7470 - Mercury	SM2320B - Alkalinity, Total as CaCO3	SM2540C - TDS	9040 - pH	300.0 Chloride, Nitrite, Sulfate	200.8 Total Uranium
6/26	8:00	water	EB-6-26-24	8		1	X	X	X	X	X	X	X	X	X
6/26		water	Dup-06-26-24	8		2	X	X	X	X	X	X	X	X	X
6/26		water	Trip Blank	3		3	X								
6/26	10:53	water	WMW-1R	8		4	X	X	X	X	X	X	X	X	X
6/26	10:10	water	WMW-2	8		5	X	X	X	X	X	X	X	X	X
6/26	9:45	water	WMW-4	8		6	X	X	X	X	X	X	X	X	X
6/26	11:30	water	WMW-5	8		7	X	X	X	X	X	X	X	X	X
6/26	12:00	water	WMW-9	8		8									
6/26	12:00	water	FB-6-26-24	2		9									
		water													
		water													
		water													

Date	Time	Relinquished by	Received by	Via	Date	Time
6/26	2:00	Hilario Tejo	Courier		6/27/24	7:30
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Please rush samples

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Trihydro Corporation

Job Number: 885-7007-1

Login Number: 7007
List Number: 1
Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Caitlin Fields
Trihydro Corporation
1252 Commerce Drive
Laramie, Wyoming 82070

Generated 7/25/2024 5:24:54 PM

JOB DESCRIPTION

Wingate 2024 Annual GW Sampling

JOB NUMBER

885-7096-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

my EOL

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
7/25/2024 5:24:54 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Table of Contents

Definitions/Glossary

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

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

Definitions/Glossary

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Case Narrative

Client: Trihydro Corporation
Project: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Job ID: 885-7096-1 Eurofins Albuquerque

Job Narrative
885-7096-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/28/2024 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C.

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

GC/MS Semi VOA
Method 8270C: The following sample was diluted due to the nature of the sample matrix: WMW-10 (885-7096-2). Elevated reporting limits (RLs) are provided.

Method 8270C: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: DUP-6-27-24 (885-7096-6). These results have been reported and qualified.

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

HPLC/IC
Method 300_OF_48H_PREC: Reanalysis of the following samples were performed outside of the analytical holding time due to QC failure: WMW-7 (885-7096-3) and DUP-6-27-24 (885-7096-6).

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

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

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

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: EB-6-27-24

Date Collected: 06/27/24 08:30
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/10/24 13:01	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/10/24 13:01	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/10/24 13:01	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/10/24 13:01	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/10/24 13:01	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/10/24 13:01	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/10/24 13:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/10/24 13:01	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/10/24 13:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/10/24 13:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/10/24 13:01	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/10/24 13:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/10/24 13:01	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/10/24 13:01	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/10/24 13:01	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/10/24 13:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/10/24 13:01	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/10/24 13:01	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/10/24 13:01	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/10/24 13:01	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 13:01	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/10/24 13:01	1
2-Butanone	ND		10	2.0	ug/L			07/10/24 13:01	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 13:01	1
2-Hexanone	ND		10	1.8	ug/L			07/10/24 13:01	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 13:01	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 13:01	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/10/24 13:01	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/10/24 13:01	1
Acetone	ND		10	2.5	ug/L			07/10/24 13:01	1
Benzene	ND		1.0	0.23	ug/L			07/10/24 13:01	1
Bromobenzene	ND		1.0	0.28	ug/L			07/10/24 13:01	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/10/24 13:01	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/10/24 13:01	1
Bromoform	ND		1.0	0.31	ug/L			07/10/24 13:01	1
Bromomethane	ND		3.0	1.0	ug/L			07/10/24 13:01	1
Carbon disulfide	ND		10	1.0	ug/L			07/10/24 13:01	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/10/24 13:01	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/10/24 13:01	1
Chloroethane	ND		2.0	0.38	ug/L			07/10/24 13:01	1
Chloroform	ND		1.0	0.25	ug/L			07/10/24 13:01	1
Chloromethane	ND		3.0	0.41	ug/L			07/10/24 13:01	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/10/24 13:01	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/10/24 13:01	1
Dibromomethane	ND		1.0	0.31	ug/L			07/10/24 13:01	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/10/24 13:01	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/10/24 13:01	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/10/24 13:01	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/10/24 13:01	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: EB-6-27-24

Date Collected: 06/27/24 08:30
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/10/24 13:01	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/10/24 13:01	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/10/24 13:01	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/10/24 13:01	1
Naphthalene	ND		2.0	0.24	ug/L			07/10/24 13:01	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/10/24 13:01	1
Styrene	ND		1.0	0.14	ug/L			07/10/24 13:01	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/10/24 13:01	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/10/24 13:01	1
Toluene	ND		1.0	0.25	ug/L			07/10/24 13:01	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/10/24 13:01	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/10/24 13:01	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/10/24 13:01	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/10/24 13:01	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/10/24 13:01	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/10/24 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*07/10/24 13:01*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/10/24 13:01*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*07/10/24 13:01*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*07/10/24 13:01*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		07/02/24 11:28	07/11/24 13:21	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		07/02/24 11:28	07/11/24 13:21	1
1,3-Dichlorobenzene	ND		12	11	ug/L		07/02/24 11:28	07/11/24 13:21	1
1,4-Dichlorobenzene	ND		12	10	ug/L		07/02/24 11:28	07/11/24 13:21	1
1-Methylnaphthalene	ND		10	8.5	ug/L		07/02/24 11:28	07/11/24 13:21	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		07/02/24 11:28	07/11/24 13:21	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		07/02/24 11:28	07/11/24 13:21	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		07/02/24 11:28	07/11/24 13:21	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		07/02/24 11:28	07/11/24 13:21	1
2,4-Dinitrophenol	ND		30	27	ug/L		07/02/24 11:28	07/11/24 13:21	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		07/02/24 11:28	07/11/24 13:21	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		07/02/24 11:28	07/11/24 13:21	1
2-Chloronaphthalene	ND		10	8.7	ug/L		07/02/24 11:28	07/11/24 13:21	1
2-Chlorophenol	ND		20	11	ug/L		07/02/24 11:28	07/11/24 13:21	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		07/02/24 11:28	07/11/24 13:21	1
2-Methylphenol	ND		10	4.7	ug/L		07/02/24 11:28	07/11/24 13:21	1
2-Nitroaniline	ND		10	5.5	ug/L		07/02/24 11:28	07/11/24 13:21	1
2-Nitrophenol	ND		10	4.4	ug/L		07/02/24 11:28	07/11/24 13:21	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		07/02/24 11:28	07/11/24 13:21	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		07/02/24 11:28	07/11/24 13:21	1
3-Nitroaniline	ND		20	15	ug/L		07/02/24 11:28	07/11/24 13:21	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		07/02/24 11:28	07/11/24 13:21	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		07/02/24 11:28	07/11/24 13:21	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		07/02/24 11:28	07/11/24 13:21	1
4-Chloroaniline	ND		5.0	4.7	ug/L		07/02/24 11:28	07/11/24 13:21	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: EB-6-27-24

Date Collected: 06/27/24 08:30
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-1

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		07/02/24 11:28	07/11/24 13:21	1
4-Nitroaniline	ND		5.0	4.5	ug/L		07/02/24 11:28	07/11/24 13:21	1
4-Nitrophenol	ND		10	5.3	ug/L		07/02/24 11:28	07/11/24 13:21	1
Acenaphthene	ND		10	7.7	ug/L		07/02/24 11:28	07/11/24 13:21	1
Acenaphthylene	ND		5.0	4.6	ug/L		07/02/24 11:28	07/11/24 13:21	1
Aniline	ND		10	5.4	ug/L		07/02/24 11:28	07/11/24 13:21	1
Anthracene	ND		5.0	3.9	ug/L		07/02/24 11:28	07/11/24 13:21	1
Azobenzene	ND		10	3.8	ug/L		07/02/24 11:28	07/11/24 13:21	1
Benzo[a]anthracene	ND		10	6.7	ug/L		07/02/24 11:28	07/11/24 13:21	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		07/02/24 11:28	07/11/24 13:21	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		07/02/24 11:28	07/11/24 13:21	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		07/02/24 11:28	07/11/24 13:21	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		07/02/24 11:28	07/11/24 13:21	1
Benzoic acid	ND		20	15	ug/L		07/02/24 11:28	07/11/24 13:21	1
Benzyl alcohol	ND		5.0	4.8	ug/L		07/02/24 11:28	07/11/24 13:21	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		07/02/24 11:28	07/11/24 13:21	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		07/02/24 11:28	07/11/24 13:21	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		07/02/24 11:28	07/11/24 13:21	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		07/02/24 11:28	07/11/24 13:21	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		07/02/24 11:28	07/11/24 13:21	1
Carbazole	ND		10	5.3	ug/L		07/02/24 11:28	07/11/24 13:21	1
Chrysene	ND		5.0	4.7	ug/L		07/02/24 11:28	07/11/24 13:21	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		07/02/24 11:28	07/11/24 13:21	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		07/02/24 11:28	07/11/24 13:21	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		07/02/24 11:28	07/11/24 13:21	1
Dibenzofuran	ND		10	4.9	ug/L		07/02/24 11:28	07/11/24 13:21	1
Diethyl phthalate	ND		10	5.6	ug/L		07/02/24 11:28	07/11/24 13:21	1
Dimethyl phthalate	ND		10	5.4	ug/L		07/02/24 11:28	07/11/24 13:21	1
Fluoranthene	ND		10	5.5	ug/L		07/02/24 11:28	07/11/24 13:21	1
Fluorene	ND		5.0	4.7	ug/L		07/02/24 11:28	07/11/24 13:21	1
Hexachlorobenzene	ND		20	4.6	ug/L		07/02/24 11:28	07/11/24 13:21	1
Hexachlorobutadiene	ND		20	11	ug/L		07/02/24 11:28	07/11/24 13:21	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		07/02/24 11:28	07/11/24 13:21	1
Hexachloroethane	ND		20	11	ug/L		07/02/24 11:28	07/11/24 13:21	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		07/02/24 11:28	07/11/24 13:21	1
Isophorone	ND		5.0	4.3	ug/L		07/02/24 11:28	07/11/24 13:21	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		07/02/24 11:28	07/11/24 13:21	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		07/02/24 11:28	07/11/24 13:21	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		07/02/24 11:28	07/11/24 13:21	1
Naphthalene	ND		5.0	3.3	ug/L		07/02/24 11:28	07/11/24 13:21	1
Nitrobenzene	ND		5.0	3.6	ug/L		07/02/24 11:28	07/11/24 13:21	1
Pentachlorophenol	ND		20	15	ug/L		07/02/24 11:28	07/11/24 13:21	1
Phenanthrene	ND		5.0	4.8	ug/L		07/02/24 11:28	07/11/24 13:21	1
Phenol	ND		10	3.9	ug/L		07/02/24 11:28	07/11/24 13:21	1
Pyrene	ND		10	5.2	ug/L		07/02/24 11:28	07/11/24 13:21	1
Pyridine	ND		20	2.6	ug/L		07/02/24 11:28	07/11/24 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*33*		*15 - 130*	*07/02/24 11:28*	*07/11/24 13:21*	*1*
2-Fluorophenol (Surr)	*44*		*15 - 130*	*07/02/24 11:28*	*07/11/24 13:21*	*1*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: EB-6-27-24

Date Collected: 06/27/24 08:30
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-1

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*15 - 130*	*07/02/24 11:28*	*07/11/24 13:21*	*1*
Nitrobenzene-d5 (Surr)	*52*		*29 - 130*	*07/02/24 11:28*	*07/11/24 13:21*	*1*
2-Fluorobiphenyl (Surr)	*53*		*20 - 130*	*07/02/24 11:28*	*07/11/24 13:21*	*1*
p-Terphenyl-d14 (Surr)	*85*		*41 - 130*	*07/02/24 11:28*	*07/11/24 13:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.25	mg/L			06/28/24 17:51	1
Sulfate	ND		0.50	0.25	mg/L			06/28/24 17:51	1
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			06/28/24 17:51	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.00050	0.000076	mg/L		07/01/24 12:02	07/08/24 13:31	1

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.020	0.00074	mg/L			07/02/24 10:15	1
Cadmium	ND		0.0020	0.00083	mg/L			07/02/24 10:15	1
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 10:15	1
Silver	ND		0.0050	0.0012	mg/L			07/02/24 10:15	1
Calcium	ND		1.0	0.089	mg/L			07/02/24 10:15	1
Sodium	ND		1.0	0.30	mg/L			07/02/24 10:15	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			07/19/24 18:23	20
Lead	ND		0.020	0.010	mg/L			07/19/24 18:23	20
Selenium	ND		0.020	0.016	mg/L			07/23/24 14:28	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 10:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	ND		50	25	mg/L			07/03/24 10:24	1
Total Alkalinity as CaCO3 (SM 2320B)	ND		20	20	mg/L			07/09/24 19:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	ND		20	20	mg/L			07/09/24 19:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			07/09/24 19:15	1
pH (SM 4500 H+ B)	**6.0**	**HF**	0.1	0.1	SU			07/09/24 19:15	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: WMW-10

Date Collected: 06/27/24 08:35
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.3	ug/L			07/09/24 21:42	5
1,1,1-Trichloroethane	ND		5.0	0.41	ug/L			07/09/24 21:42	5
1,1,2,2-Tetrachloroethane	ND		10	1.4	ug/L			07/09/24 21:42	5
1,1,2-Trichloroethane	ND		5.0	0.99	ug/L			07/09/24 21:42	5
1,1-Dichloroethane	ND		5.0	1.5	ug/L			07/09/24 21:42	5
1,1-Dichloroethene	ND		5.0	1.0	ug/L			07/09/24 21:42	5
1,1-Dichloropropene	ND		5.0	0.90	ug/L			07/09/24 21:42	5
1,2,3-Trichlorobenzene	ND		5.0	1.2	ug/L			07/09/24 21:42	5
1,2,3-Trichloropropane	ND		10	0.80	ug/L			07/09/24 21:42	5
1,2,4-Trichlorobenzene	ND		5.0	2.0	ug/L			07/09/24 21:42	5
1,2,4-Trimethylbenzene	**3.7**	**J**	5.0	0.61	ug/L			07/09/24 21:42	5
1,2-Dibromo-3-Chloropropane	ND		10	2.9	ug/L			07/09/24 21:42	5
1,2-Dibromoethane (EDB)	ND		5.0	1.5	ug/L			07/09/24 21:42	5
1,2-Dichlorobenzene	ND		5.0	0.77	ug/L			07/09/24 21:42	5
1,2-Dichloroethane (EDC)	ND		5.0	1.5	ug/L			07/09/24 21:42	5
1,2-Dichloropropane	ND		5.0	1.0	ug/L			07/09/24 21:42	5
1,3,5-Trimethylbenzene	ND		5.0	0.91	ug/L			07/09/24 21:42	5
1,3-Dichlorobenzene	ND		5.0	0.81	ug/L			07/09/24 21:42	5
1,3-Dichloropropane	ND		5.0	0.90	ug/L			07/09/24 21:42	5
1,4-Dichlorobenzene	ND		5.0	0.52	ug/L			07/09/24 21:42	5
1-Methylnaphthalene	ND		20	10	ug/L			07/09/24 21:42	5
2,2-Dichloropropane	ND		10	1.3	ug/L			07/09/24 21:42	5
2-Butanone	ND		50	10	ug/L			07/09/24 21:42	5
2-Chlorotoluene	ND		5.0	0.66	ug/L			07/09/24 21:42	5
2-Hexanone	ND		50	9.0	ug/L			07/09/24 21:42	5
2-Methylnaphthalene	ND		20	10	ug/L			07/09/24 21:42	5
4-Chlorotoluene	ND		5.0	0.67	ug/L			07/09/24 21:42	5
4-Isopropyltoluene	ND		5.0	1.0	ug/L			07/09/24 21:42	5
4-Methyl-2-pentanone	ND		50	7.5	ug/L			07/09/24 21:42	5
Acetone	ND		50	13	ug/L			07/09/24 21:42	5
Benzene	**2700**		50	11	ug/L			07/09/24 21:17	50
Bromobenzene	ND		5.0	1.4	ug/L			07/09/24 21:42	5
Bromodichloromethane	ND		5.0	1.0	ug/L			07/09/24 21:42	5
Dibromochloromethane	ND		5.0	1.4	ug/L			07/09/24 21:42	5
Bromoform	ND		5.0	1.6	ug/L			07/09/24 21:42	5
Bromomethane	ND		15	5.0	ug/L			07/09/24 21:42	5
Carbon disulfide	ND		50	5.0	ug/L			07/09/24 21:42	5
Carbon tetrachloride	ND		5.0	0.88	ug/L			07/09/24 21:42	5
Chlorobenzene	ND		5.0	2.3	ug/L			07/09/24 21:42	5
Chloroethane	ND		10	1.9	ug/L			07/09/24 21:42	5
Chloroform	ND		5.0	1.3	ug/L			07/09/24 21:42	5
Chloromethane	ND		15	2.1	ug/L			07/09/24 21:42	5
cis-1,2-Dichloroethene	ND		5.0	1.9	ug/L			07/09/24 21:42	5
cis-1,3-Dichloropropene	ND		5.0	0.58	ug/L			07/09/24 21:42	5
Dibromomethane	ND		5.0	1.5	ug/L			07/09/24 21:42	5
Dichlorodifluoromethane	ND		5.0	1.3	ug/L			07/09/24 21:42	5
Ethylbenzene	**15**		5.0	1.1	ug/L			07/09/24 21:42	5
Hexachlorobutadiene	ND		5.0	2.1	ug/L			07/09/24 21:42	5
Isopropylbenzene	**2.0**	**J**	5.0	0.91	ug/L			07/09/24 21:42	5

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: WMW-10

Date Collected: 06/27/24 08:35
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		5.0	2.0	ug/L			07/09/24 21:42	5
Methylene Chloride	ND		15	6.2	ug/L			07/09/24 21:42	5
n-Butylbenzene	ND		15	0.63	ug/L			07/09/24 21:42	5
N-Propylbenzene	**1.1**	**J**	5.0	0.55	ug/L			07/09/24 21:42	5
Naphthalene	**3.0**	**J**	10	1.2	ug/L			07/09/24 21:42	5
sec-Butylbenzene	**0.82**	**J**	5.0	0.72	ug/L			07/09/24 21:42	5
Styrene	ND		5.0	0.68	ug/L			07/09/24 21:42	5
tert-Butylbenzene	ND		5.0	1.2	ug/L			07/09/24 21:42	5
Tetrachloroethene (PCE)	ND		5.0	0.89	ug/L			07/09/24 21:42	5
Toluene	ND		5.0	1.3	ug/L			07/09/24 21:42	5
trans-1,2-Dichloroethene	ND		5.0	0.97	ug/L			07/09/24 21:42	5
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			07/09/24 21:42	5
Trichloroethene (TCE)	ND		5.0	1.0	ug/L			07/09/24 21:42	5
Trichlorofluoromethane	ND		5.0	0.79	ug/L			07/09/24 21:42	5
Vinyl chloride	ND		5.0	1.6	ug/L			07/09/24 21:42	5
Xylenes, Total	**8.5**		7.5	1.9	ug/L			07/09/24 21:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*		*07/09/24 21:42*	*5*
Toluene-d8 (Surr)	*106*		*70 - 130*		*07/09/24 21:42*	*5*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*07/09/24 21:42*	*5*
Dibromofluoromethane (Surr)	*89*		*70 - 130*		*07/09/24 21:42*	*5*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	D	100	81	ug/L		07/02/24 11:28	07/11/24 14:03	10
1,2-Dichlorobenzene	ND	D	100	99	ug/L		07/02/24 11:28	07/11/24 14:03	10
1,3-Dichlorobenzene	ND	D	120	110	ug/L		07/02/24 11:28	07/11/24 14:03	10
1,4-Dichlorobenzene	ND	D	120	100	ug/L		07/02/24 11:28	07/11/24 14:03	10
1-Methylnaphthalene	ND	D	100	85	ug/L		07/02/24 11:28	07/11/24 14:03	10
2,4,5-Trichlorophenol	ND	D	100	51	ug/L		07/02/24 11:28	07/11/24 14:03	10
2,4,6-Trichlorophenol	ND	D	100	43	ug/L		07/02/24 11:28	07/11/24 14:03	10
2,4-Dichlorophenol	ND	D	50	38	ug/L		07/02/24 11:28	07/11/24 14:03	10
2,4-Dimethylphenol	ND	D	100	48	ug/L		07/02/24 11:28	07/11/24 14:03	10
2,4-Dinitrophenol	ND	D	300	270	ug/L		07/02/24 11:28	07/11/24 14:03	10
2,4-Dinitrotoluene	ND	D	50	50	ug/L		07/02/24 11:28	07/11/24 14:03	10
2,6-Dinitrotoluene	ND	D	100	77	ug/L		07/02/24 11:28	07/11/24 14:03	10
2-Chloronaphthalene	ND	D	100	87	ug/L		07/02/24 11:28	07/11/24 14:03	10
2-Chlorophenol	ND	D	200	110	ug/L		07/02/24 11:28	07/11/24 14:03	10
2-Methylnaphthalene	ND	D	50	28	ug/L		07/02/24 11:28	07/11/24 14:03	10
2-Methylphenol	ND	D	100	47	ug/L		07/02/24 11:28	07/11/24 14:03	10
2-Nitroaniline	ND	D	100	55	ug/L		07/02/24 11:28	07/11/24 14:03	10
2-Nitrophenol	ND	D	100	44	ug/L		07/02/24 11:28	07/11/24 14:03	10
3 & 4 Methylphenol	ND	D	100	49	ug/L		07/02/24 11:28	07/11/24 14:03	10
3,3'-Dichlorobenzidine	ND	D	100	62	ug/L		07/02/24 11:28	07/11/24 14:03	10
3-Nitroaniline	ND	D	200	150	ug/L		07/02/24 11:28	07/11/24 14:03	10
4,6-Dinitro-2-methylphenol	ND	D	200	190	ug/L		07/02/24 11:28	07/11/24 14:03	10
4-Bromophenyl phenyl ether	ND	D	50	39	ug/L		07/02/24 11:28	07/11/24 14:03	10
4-Chloro-3-methylphenol	ND	D	50	46	ug/L		07/02/24 11:28	07/11/24 14:03	10
4-Chloroaniline	ND	D	50	47	ug/L		07/02/24 11:28	07/11/24 14:03	10

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: WMW-10

Date Collected: 06/27/24 08:35
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-2

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND	D	50	39	ug/L		07/02/24 11:28	07/11/24 14:03	10
4-Nitroaniline	ND	D	50	45	ug/L		07/02/24 11:28	07/11/24 14:03	10
4-Nitrophenol	ND	D	100	53	ug/L		07/02/24 11:28	07/11/24 14:03	10
Acenaphthene	ND	D	100	77	ug/L		07/02/24 11:28	07/11/24 14:03	10
Acenaphthylene	ND	D	50	46	ug/L		07/02/24 11:28	07/11/24 14:03	10
Aniline	ND	D	100	54	ug/L		07/02/24 11:28	07/11/24 14:03	10
Anthracene	ND	D	50	39	ug/L		07/02/24 11:28	07/11/24 14:03	10
Azobenzene	ND	D	100	38	ug/L		07/02/24 11:28	07/11/24 14:03	10
Benzo[a]anthracene	ND	D	100	67	ug/L		07/02/24 11:28	07/11/24 14:03	10
Benzo[a]pyrene	ND	D	50	49	ug/L		07/02/24 11:28	07/11/24 14:03	10
Benzo[b]fluoranthene	ND	D	100	58	ug/L		07/02/24 11:28	07/11/24 14:03	10
Benzo[g,h,i]perylene	ND	D	50	49	ug/L		07/02/24 11:28	07/11/24 14:03	10
Benzo[k]fluoranthene	ND	D	100	47	ug/L		07/02/24 11:28	07/11/24 14:03	10
Benzoic acid	ND	D	200	150	ug/L		07/02/24 11:28	07/11/24 14:03	10
Benzyl alcohol	ND	D	50	48	ug/L		07/02/24 11:28	07/11/24 14:03	10
Bis(2-ethylhexyl) phthalate	ND	D	100	98	ug/L		07/02/24 11:28	07/11/24 14:03	10
bis (2-Chloroisopropyl) ether	ND	D	50	36	ug/L		07/02/24 11:28	07/11/24 14:03	10
Bis(2-chloroethoxy)methane	ND	D	100	43	ug/L		07/02/24 11:28	07/11/24 14:03	10
Bis(2-chloroethyl)ether	ND	D	100	50	ug/L		07/02/24 11:28	07/11/24 14:03	10
Butyl benzyl phthalate	ND	D	100	65	ug/L		07/02/24 11:28	07/11/24 14:03	10
Carbazole	ND	D	100	53	ug/L		07/02/24 11:28	07/11/24 14:03	10
Chrysene	ND	D	50	47	ug/L		07/02/24 11:28	07/11/24 14:03	10
Di-n-butyl phthalate	ND	D	100	54	ug/L		07/02/24 11:28	07/11/24 14:03	10
Di-n-octyl phthalate	ND	D	100	76	ug/L		07/02/24 11:28	07/11/24 14:03	10
Dibenz(a,h)anthracene	ND	D	100	67	ug/L		07/02/24 11:28	07/11/24 14:03	10
Dibenzofuran	ND	D	100	49	ug/L		07/02/24 11:28	07/11/24 14:03	10
Diethyl phthalate	ND	D	100	56	ug/L		07/02/24 11:28	07/11/24 14:03	10
Dimethyl phthalate	ND	D	100	54	ug/L		07/02/24 11:28	07/11/24 14:03	10
Fluoranthene	ND	D	100	55	ug/L		07/02/24 11:28	07/11/24 14:03	10
Fluorene	ND	D	50	47	ug/L		07/02/24 11:28	07/11/24 14:03	10
Hexachlorobenzene	ND	D	200	46	ug/L		07/02/24 11:28	07/11/24 14:03	10
Hexachlorobutadiene	ND	D	200	110	ug/L		07/02/24 11:28	07/11/24 14:03	10
Hexachlorocyclopentadiene	ND	D	200	89	ug/L		07/02/24 11:28	07/11/24 14:03	10
Hexachloroethane	ND	D	200	110	ug/L		07/02/24 11:28	07/11/24 14:03	10
Indeno[1,2,3-cd]pyrene	ND	D	100	53	ug/L		07/02/24 11:28	07/11/24 14:03	10
Isophorone	ND	D	50	43	ug/L		07/02/24 11:28	07/11/24 14:03	10
N-Nitrosodi-n-propylamine	ND	D	50	37	ug/L		07/02/24 11:28	07/11/24 14:03	10
N-Nitrosodimethylamine	ND	D	50	31	ug/L		07/02/24 11:28	07/11/24 14:03	10
N-Nitrosodiphenylamine	ND	D	100	52	ug/L		07/02/24 11:28	07/11/24 14:03	10
Naphthalene	ND	D	50	33	ug/L		07/02/24 11:28	07/11/24 14:03	10
Nitrobenzene	ND	D	50	36	ug/L		07/02/24 11:28	07/11/24 14:03	10
Pentachlorophenol	ND	D	200	150	ug/L		07/02/24 11:28	07/11/24 14:03	10
Phenanthrene	ND	D	50	48	ug/L		07/02/24 11:28	07/11/24 14:03	10
Phenol	ND	D	100	39	ug/L		07/02/24 11:28	07/11/24 14:03	10
Pyrene	ND	D	100	52	ug/L		07/02/24 11:28	07/11/24 14:03	10
Pyridine	ND	D	200	26	ug/L		07/02/24 11:28	07/11/24 14:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*0*	*D S1-*	*15 - 130*	*07/02/24 11:28*	*07/11/24 14:03*	*10*
2-Fluorophenol (Surr)	*0*	*D S1-*	*15 - 130*	*07/02/24 11:28*	*07/11/24 14:03*	*10*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: WMW-10

Date Collected: 06/27/24 08:35
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-2

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	0	D S1-	15 - 130	07/02/24 11:28	07/11/24 14:03	10
Nitrobenzene-d5 (Surr)	0	D S1-	29 - 130	07/02/24 11:28	07/11/24 14:03	10
2-Fluorobiphenyl (Surr)	0	D S1-	20 - 130	07/02/24 11:28	07/11/24 14:03	10
p-Terphenyl-d14 (Surr)	0	D S1-	41 - 130	07/02/24 11:28	07/11/24 14:03	10

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**400**		50	25	mg/L			06/28/24 19:06	100
Sulfate	**110**		5.0	2.5	mg/L			06/28/24 18:51	10
Nitrate Nitrite as N	ND		2.0	0.22	mg/L			06/28/24 18:51	10

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.0032**		0.00050	0.000076	mg/L		07/01/24 12:02	07/08/24 13:44	1

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**1.4**		0.10	0.0037	mg/L			07/02/24 10:23	5
Cadmium	ND		0.010	0.0042	mg/L			07/02/24 10:23	5
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 10:21	1
Silver	ND		0.0050	0.0012	mg/L			07/02/24 10:21	1
Calcium	**45**		1.0	0.089	mg/L			07/02/24 10:21	1
Sodium	**900**		50	15	mg/L			07/02/24 10:26	50

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			07/19/24 18:28	20
Lead	ND		0.020	0.010	mg/L			07/19/24 18:28	20
Selenium	ND		0.020	0.016	mg/L			07/23/24 14:32	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 10:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**2300**		250	130	mg/L			07/03/24 10:24	1
Total Alkalinity as CaCO3 (SM 2320B)	**1200**		50	50	mg/L			07/10/24 17:14	2.5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**1200**		50	50	mg/L			07/10/24 17:14	2.5
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			07/10/24 17:14	2.5
pH (SM 4500 H+ B)	**8.1**	**HF**	0.1	0.1	SU			07/09/24 19:24	1

Client Sample Results

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

Client Sample ID: WMW-7
Lab Sample ID: 885-7096-3

Date Collected: 06/27/24 09:00
Matrix: Water
Date Received: 06/28/24 08:30

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/09/24 22:06	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/09/24 22:06	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/09/24 22:06	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/09/24 22:06	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/09/24 22:06	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/09/24 22:06	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/09/24 22:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/09/24 22:06	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/09/24 22:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/09/24 22:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/09/24 22:06	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/09/24 22:06	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/09/24 22:06	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/09/24 22:06	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/09/24 22:06	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/09/24 22:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/09/24 22:06	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/09/24 22:06	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/09/24 22:06	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/09/24 22:06	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/09/24 22:06	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/09/24 22:06	1
2-Butanone	ND		10	2.0	ug/L			07/09/24 22:06	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/09/24 22:06	1
2-Hexanone	ND		10	1.8	ug/L			07/09/24 22:06	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/09/24 22:06	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/09/24 22:06	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/09/24 22:06	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/09/24 22:06	1
Acetone	ND		10	2.5	ug/L			07/09/24 22:06	1
Benzene	ND		1.0	0.23	ug/L			07/09/24 22:06	1
Bromobenzene	ND		1.0	0.28	ug/L			07/09/24 22:06	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/09/24 22:06	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/09/24 22:06	1
Bromoform	ND		1.0	0.31	ug/L			07/09/24 22:06	1
Bromomethane	ND		3.0	1.0	ug/L			07/09/24 22:06	1
Carbon disulfide	ND		10	1.0	ug/L			07/09/24 22:06	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/09/24 22:06	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/09/24 22:06	1
Chloroethane	ND		2.0	0.38	ug/L			07/09/24 22:06	1
Chloroform	ND		1.0	0.25	ug/L			07/09/24 22:06	1
Chloromethane	ND		3.0	0.41	ug/L			07/09/24 22:06	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/09/24 22:06	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/09/24 22:06	1
Dibromomethane	ND		1.0	0.31	ug/L			07/09/24 22:06	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/09/24 22:06	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/09/24 22:06	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/09/24 22:06	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/09/24 22:06	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: WMW-7

Date Collected: 06/27/24 09:00
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/09/24 22:06	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/09/24 22:06	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/09/24 22:06	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/09/24 22:06	1
Naphthalene	ND		2.0	0.24	ug/L			07/09/24 22:06	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/09/24 22:06	1
Styrene	ND		1.0	0.14	ug/L			07/09/24 22:06	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/09/24 22:06	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/09/24 22:06	1
Toluene	ND		1.0	0.25	ug/L			07/09/24 22:06	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/09/24 22:06	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/09/24 22:06	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/09/24 22:06	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/09/24 22:06	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/09/24 22:06	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/09/24 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*07/09/24 22:06*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/09/24 22:06*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*07/09/24 22:06*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*07/09/24 22:06*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		07/02/24 11:28	07/11/24 14:45	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		07/02/24 11:28	07/11/24 14:45	1
1,3-Dichlorobenzene	ND		12	11	ug/L		07/02/24 11:28	07/11/24 14:45	1
1,4-Dichlorobenzene	ND		12	10	ug/L		07/02/24 11:28	07/11/24 14:45	1
1-Methylnaphthalene	ND		10	8.5	ug/L		07/02/24 11:28	07/11/24 14:45	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		07/02/24 11:28	07/11/24 14:45	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		07/02/24 11:28	07/11/24 14:45	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		07/02/24 11:28	07/11/24 14:45	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		07/02/24 11:28	07/11/24 14:45	1
2,4-Dinitrophenol	ND		30	27	ug/L		07/02/24 11:28	07/11/24 14:45	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		07/02/24 11:28	07/11/24 14:45	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		07/02/24 11:28	07/11/24 14:45	1
2-Chloronaphthalene	ND		10	8.7	ug/L		07/02/24 11:28	07/11/24 14:45	1
2-Chlorophenol	ND		20	11	ug/L		07/02/24 11:28	07/11/24 14:45	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		07/02/24 11:28	07/11/24 14:45	1
2-Methylphenol	ND		10	4.7	ug/L		07/02/24 11:28	07/11/24 14:45	1
2-Nitroaniline	ND		10	5.5	ug/L		07/02/24 11:28	07/11/24 14:45	1
2-Nitrophenol	ND		10	4.4	ug/L		07/02/24 11:28	07/11/24 14:45	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		07/02/24 11:28	07/11/24 14:45	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		07/02/24 11:28	07/11/24 14:45	1
3-Nitroaniline	ND		20	15	ug/L		07/02/24 11:28	07/11/24 14:45	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		07/02/24 11:28	07/11/24 14:45	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		07/02/24 11:28	07/11/24 14:45	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		07/02/24 11:28	07/11/24 14:45	1
4-Chloroaniline	ND		5.0	4.7	ug/L		07/02/24 11:28	07/11/24 14:45	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: WMW-7

Date Collected: 06/27/24 09:00
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-3

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		07/02/24 11:28	07/11/24 14:45	1
4-Nitroaniline	ND		5.0	4.5	ug/L		07/02/24 11:28	07/11/24 14:45	1
4-Nitrophenol	ND		10	5.3	ug/L		07/02/24 11:28	07/11/24 14:45	1
Acenaphthene	ND		10	7.7	ug/L		07/02/24 11:28	07/11/24 14:45	1
Acenaphthylene	ND		5.0	4.6	ug/L		07/02/24 11:28	07/11/24 14:45	1
Aniline	ND		10	5.4	ug/L		07/02/24 11:28	07/11/24 14:45	1
Anthracene	ND		5.0	3.9	ug/L		07/02/24 11:28	07/11/24 14:45	1
Azobenzene	ND		10	3.8	ug/L		07/02/24 11:28	07/11/24 14:45	1
Benzo[a]anthracene	ND		10	6.7	ug/L		07/02/24 11:28	07/11/24 14:45	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		07/02/24 11:28	07/11/24 14:45	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		07/02/24 11:28	07/11/24 14:45	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		07/02/24 11:28	07/11/24 14:45	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		07/02/24 11:28	07/11/24 14:45	1
Benzoic acid	ND		20	15	ug/L		07/02/24 11:28	07/11/24 14:45	1
Benzyl alcohol	ND		5.0	4.8	ug/L		07/02/24 11:28	07/11/24 14:45	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		07/02/24 11:28	07/11/24 14:45	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		07/02/24 11:28	07/11/24 14:45	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		07/02/24 11:28	07/11/24 14:45	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		07/02/24 11:28	07/11/24 14:45	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		07/02/24 11:28	07/11/24 14:45	1
Carbazole	ND		10	5.3	ug/L		07/02/24 11:28	07/11/24 14:45	1
Chrysene	ND		5.0	4.7	ug/L		07/02/24 11:28	07/11/24 14:45	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		07/02/24 11:28	07/11/24 14:45	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		07/02/24 11:28	07/11/24 14:45	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		07/02/24 11:28	07/11/24 14:45	1
Dibenzofuran	ND		10	4.9	ug/L		07/02/24 11:28	07/11/24 14:45	1
Diethyl phthalate	ND		10	5.6	ug/L		07/02/24 11:28	07/11/24 14:45	1
Dimethyl phthalate	ND		10	5.4	ug/L		07/02/24 11:28	07/11/24 14:45	1
Fluoranthene	ND		10	5.5	ug/L		07/02/24 11:28	07/11/24 14:45	1
Fluorene	ND		5.0	4.7	ug/L		07/02/24 11:28	07/11/24 14:45	1
Hexachlorobenzene	ND		20	4.6	ug/L		07/02/24 11:28	07/11/24 14:45	1
Hexachlorobutadiene	ND		20	11	ug/L		07/02/24 11:28	07/11/24 14:45	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		07/02/24 11:28	07/11/24 14:45	1
Hexachloroethane	ND		20	11	ug/L		07/02/24 11:28	07/11/24 14:45	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		07/02/24 11:28	07/11/24 14:45	1
Isophorone	ND		5.0	4.3	ug/L		07/02/24 11:28	07/11/24 14:45	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		07/02/24 11:28	07/11/24 14:45	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		07/02/24 11:28	07/11/24 14:45	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		07/02/24 11:28	07/11/24 14:45	1
Naphthalene	ND		5.0	3.3	ug/L		07/02/24 11:28	07/11/24 14:45	1
Nitrobenzene	ND		5.0	3.6	ug/L		07/02/24 11:28	07/11/24 14:45	1
Pentachlorophenol	ND		20	15	ug/L		07/02/24 11:28	07/11/24 14:45	1
Phenanthrene	ND		5.0	4.8	ug/L		07/02/24 11:28	07/11/24 14:45	1
Phenol	ND		10	3.9	ug/L		07/02/24 11:28	07/11/24 14:45	1
Pyrene	ND		10	5.2	ug/L		07/02/24 11:28	07/11/24 14:45	1
Pyridine	ND		20	2.6	ug/L		07/02/24 11:28	07/11/24 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*34*		*15 - 130*	*07/02/24 11:28*	*07/11/24 14:45*	*1*
2-Fluorophenol (Surr)	*43*		*15 - 130*	*07/02/24 11:28*	*07/11/24 14:45*	*1*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: WMW-7

Date Collected: 06/27/24 09:00
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-3

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*15 - 130*	*07/02/24 11:28*	*07/11/24 14:45*	*1*
Nitrobenzene-d5 (Surr)	*51*		*29 - 130*	*07/02/24 11:28*	*07/11/24 14:45*	*1*
2-Fluorobiphenyl (Surr)	*47*		*20 - 130*	*07/02/24 11:28*	*07/11/24 14:45*	*1*
p-Terphenyl-d14 (Surr)	*79*		*41 - 130*	*07/02/24 11:28*	*07/11/24 14:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**220**		10	5.0	mg/L			06/28/24 20:07	20
Sulfate	**960**		25	13	mg/L			07/02/24 14:58	50
Nitrate Nitrite as N	ND	H	0.20	0.022	mg/L			07/02/24 14:46	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.030**		0.0025	0.00038	mg/L		07/01/24 12:02	07/08/24 15:10	5

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.015**	**J**	0.020	0.00074	mg/L			07/02/24 10:28	1
Cadmium	ND		0.0020	0.00083	mg/L			07/02/24 10:28	1
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 10:28	1
Silver	ND		0.0050	0.0012	mg/L			07/02/24 10:28	1
Calcium	**22**		1.0	0.089	mg/L			07/02/24 10:28	1
Sodium	**800**		50	15	mg/L			07/02/24 10:33	50

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			07/19/24 18:32	20
Lead	ND		0.020	0.010	mg/L			07/19/24 18:32	20
Selenium	ND		0.020	0.016	mg/L			07/23/24 14:37	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 10:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**2500**		250	130	mg/L			07/03/24 10:24	1
Total Alkalinity as CaCO3 (SM 2320B)	**700**		20	20	mg/L			07/09/24 20:02	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**680**		20	20	mg/L			07/09/24 20:02	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**21**		2.0	2.0	mg/L			07/09/24 20:02	1
pH (SM 4500 H+ B)	**8.5**	**HF**	0.1	0.1	SU			07/09/24 20:02	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: WMW-11

Date Collected: 06/27/24 09:45
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/09/24 22:30	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/09/24 22:30	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/09/24 22:30	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/09/24 22:30	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/09/24 22:30	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/09/24 22:30	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/09/24 22:30	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/09/24 22:30	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/09/24 22:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/09/24 22:30	1
1,2,4-Trimethylbenzene	**0.19**	**J**	1.0	0.12	ug/L			07/09/24 22:30	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/09/24 22:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/09/24 22:30	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/09/24 22:30	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/09/24 22:30	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/09/24 22:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/09/24 22:30	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/09/24 22:30	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/09/24 22:30	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/09/24 22:30	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/09/24 22:30	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/09/24 22:30	1
2-Butanone	ND		10	2.0	ug/L			07/09/24 22:30	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/09/24 22:30	1
2-Hexanone	ND		10	1.8	ug/L			07/09/24 22:30	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/09/24 22:30	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/09/24 22:30	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/09/24 22:30	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/09/24 22:30	1
Acetone	ND		10	2.5	ug/L			07/09/24 22:30	1
Benzene	ND		1.0	0.23	ug/L			07/09/24 22:30	1
Bromobenzene	ND		1.0	0.28	ug/L			07/09/24 22:30	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/09/24 22:30	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/09/24 22:30	1
Bromoform	ND		1.0	0.31	ug/L			07/09/24 22:30	1
Bromomethane	ND		3.0	1.0	ug/L			07/09/24 22:30	1
Carbon disulfide	ND		10	1.0	ug/L			07/09/24 22:30	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/09/24 22:30	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/09/24 22:30	1
Chloroethane	ND		2.0	0.38	ug/L			07/09/24 22:30	1
Chloroform	**0.56**	**J**	1.0	0.25	ug/L			07/09/24 22:30	1
Chloromethane	ND		3.0	0.41	ug/L			07/09/24 22:30	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/09/24 22:30	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/09/24 22:30	1
Dibromomethane	ND		1.0	0.31	ug/L			07/09/24 22:30	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/09/24 22:30	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/09/24 22:30	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/09/24 22:30	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/09/24 22:30	1

Client Sample Results

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

Client Sample ID: WMW-11
Lab Sample ID: 885-7096-4

Date Collected: 06/27/24 09:45
Matrix: Water
Date Received: 06/28/24 08:30

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/09/24 22:30	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/09/24 22:30	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/09/24 22:30	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/09/24 22:30	1
Naphthalene	ND		2.0	0.24	ug/L			07/09/24 22:30	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/09/24 22:30	1
Styrene	ND		1.0	0.14	ug/L			07/09/24 22:30	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/09/24 22:30	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/09/24 22:30	1
Toluene	ND		1.0	0.25	ug/L			07/09/24 22:30	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/09/24 22:30	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/09/24 22:30	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/09/24 22:30	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/09/24 22:30	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/09/24 22:30	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/09/24 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*07/09/24 22:30*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/09/24 22:30*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*07/09/24 22:30*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*07/09/24 22:30*	*1*

Client Sample Results

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

Client Sample ID: FB-6-27-24
Lab Sample ID: 885-7096-5

Date Collected: 06/27/24 09:45
Matrix: Water
Date Received: 06/28/24 08:30

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/10/24 13:26	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/10/24 13:26	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/10/24 13:26	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/10/24 13:26	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/10/24 13:26	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/10/24 13:26	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/10/24 13:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/10/24 13:26	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/10/24 13:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/10/24 13:26	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/10/24 13:26	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/10/24 13:26	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/10/24 13:26	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/10/24 13:26	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/10/24 13:26	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/10/24 13:26	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/10/24 13:26	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/10/24 13:26	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/10/24 13:26	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/10/24 13:26	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 13:26	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/10/24 13:26	1
2-Butanone	**2.0**	**J**	10	2.0	ug/L			07/10/24 13:26	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 13:26	1
2-Hexanone	ND		10	1.8	ug/L			07/10/24 13:26	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 13:26	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 13:26	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/10/24 13:26	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/10/24 13:26	1
Acetone	**2.6**	**J**	10	2.5	ug/L			07/10/24 13:26	1
Benzene	ND		1.0	0.23	ug/L			07/10/24 13:26	1
Bromobenzene	ND		1.0	0.28	ug/L			07/10/24 13:26	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/10/24 13:26	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/10/24 13:26	1
Bromoform	ND		1.0	0.31	ug/L			07/10/24 13:26	1
Bromomethane	ND		3.0	1.0	ug/L			07/10/24 13:26	1
Carbon disulfide	ND		10	1.0	ug/L			07/10/24 13:26	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/10/24 13:26	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/10/24 13:26	1
Chloroethane	ND		2.0	0.38	ug/L			07/10/24 13:26	1
Chloroform	ND		1.0	0.25	ug/L			07/10/24 13:26	1
Chloromethane	ND		3.0	0.41	ug/L			07/10/24 13:26	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/10/24 13:26	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/10/24 13:26	1
Dibromomethane	ND		1.0	0.31	ug/L			07/10/24 13:26	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/10/24 13:26	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/10/24 13:26	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/10/24 13:26	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/10/24 13:26	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: FB-6-27-24

Lab Sample ID: 885-7096-5

Date Collected: 06/27/24 09:45
Matrix: Water
Date Received: 06/28/24 08:30

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/10/24 13:26	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/10/24 13:26	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/10/24 13:26	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/10/24 13:26	1
Naphthalene	ND		2.0	0.24	ug/L			07/10/24 13:26	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/10/24 13:26	1
Styrene	ND		1.0	0.14	ug/L			07/10/24 13:26	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/10/24 13:26	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/10/24 13:26	1
Toluene	ND		1.0	0.25	ug/L			07/10/24 13:26	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/10/24 13:26	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/10/24 13:26	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/10/24 13:26	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/10/24 13:26	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/10/24 13:26	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/10/24 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*07/10/24 13:26*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/10/24 13:26*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*07/10/24 13:26*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*07/10/24 13:26*	*1*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: DUP-6-27-24

Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/09/24 22:55	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/09/24 22:55	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/09/24 22:55	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/09/24 22:55	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/09/24 22:55	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/09/24 22:55	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/09/24 22:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/09/24 22:55	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/09/24 22:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/09/24 22:55	1
1,2,4-Trimethylbenzene	**0.17**	**J**	1.0	0.12	ug/L			07/09/24 22:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/09/24 22:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/09/24 22:55	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/09/24 22:55	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/09/24 22:55	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/09/24 22:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/09/24 22:55	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/09/24 22:55	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/09/24 22:55	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/09/24 22:55	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/09/24 22:55	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/09/24 22:55	1
2-Butanone	ND		10	2.0	ug/L			07/09/24 22:55	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/09/24 22:55	1
2-Hexanone	ND		10	1.8	ug/L			07/09/24 22:55	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/09/24 22:55	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/09/24 22:55	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/09/24 22:55	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/09/24 22:55	1
Acetone	ND		10	2.5	ug/L			07/09/24 22:55	1
Benzene	ND		1.0	0.23	ug/L			07/09/24 22:55	1
Bromobenzene	ND		1.0	0.28	ug/L			07/09/24 22:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/09/24 22:55	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/09/24 22:55	1
Bromoform	ND		1.0	0.31	ug/L			07/09/24 22:55	1
Bromomethane	ND		3.0	1.0	ug/L			07/09/24 22:55	1
Carbon disulfide	ND		10	1.0	ug/L			07/09/24 22:55	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/09/24 22:55	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/09/24 22:55	1
Chloroethane	ND		2.0	0.38	ug/L			07/09/24 22:55	1
Chloroform	ND		1.0	0.25	ug/L			07/09/24 22:55	1
Chloromethane	ND		3.0	0.41	ug/L			07/09/24 22:55	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/09/24 22:55	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/09/24 22:55	1
Dibromomethane	ND		1.0	0.31	ug/L			07/09/24 22:55	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/09/24 22:55	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/09/24 22:55	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/09/24 22:55	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/09/24 22:55	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: DUP-6-27-24

Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/09/24 22:55	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/09/24 22:55	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/09/24 22:55	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/09/24 22:55	1
Naphthalene	ND		2.0	0.24	ug/L			07/09/24 22:55	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/09/24 22:55	1
Styrene	ND		1.0	0.14	ug/L			07/09/24 22:55	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/09/24 22:55	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/09/24 22:55	1
Toluene	ND		1.0	0.25	ug/L			07/09/24 22:55	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/09/24 22:55	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/09/24 22:55	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/09/24 22:55	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/09/24 22:55	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/09/24 22:55	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/09/24 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*07/09/24 22:55*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*07/09/24 22:55*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*07/09/24 22:55*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*07/09/24 22:55*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		07/02/24 11:28	07/11/24 15:28	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		07/02/24 11:28	07/11/24 15:28	1
1,3-Dichlorobenzene	ND		12	11	ug/L		07/02/24 11:28	07/11/24 15:28	1
1,4-Dichlorobenzene	ND		12	10	ug/L		07/02/24 11:28	07/11/24 15:28	1
1-Methylnaphthalene	ND		10	8.5	ug/L		07/02/24 11:28	07/11/24 15:28	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		07/02/24 11:28	07/11/24 15:28	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		07/02/24 11:28	07/11/24 15:28	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		07/02/24 11:28	07/11/24 15:28	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		07/02/24 11:28	07/11/24 15:28	1
2,4-Dinitrophenol	ND		30	27	ug/L		07/02/24 11:28	07/11/24 15:28	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		07/02/24 11:28	07/11/24 15:28	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		07/02/24 11:28	07/11/24 15:28	1
2-Chloronaphthalene	ND		10	8.7	ug/L		07/02/24 11:28	07/11/24 15:28	1
2-Chlorophenol	ND		20	11	ug/L		07/02/24 11:28	07/11/24 15:28	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		07/02/24 11:28	07/11/24 15:28	1
2-Methylphenol	ND		10	4.7	ug/L		07/02/24 11:28	07/11/24 15:28	1
2-Nitroaniline	ND		10	5.5	ug/L		07/02/24 11:28	07/11/24 15:28	1
2-Nitrophenol	ND		10	4.4	ug/L		07/02/24 11:28	07/11/24 15:28	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		07/02/24 11:28	07/11/24 15:28	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		07/02/24 11:28	07/11/24 15:28	1
3-Nitroaniline	ND		20	15	ug/L		07/02/24 11:28	07/11/24 15:28	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		07/02/24 11:28	07/11/24 15:28	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		07/02/24 11:28	07/11/24 15:28	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		07/02/24 11:28	07/11/24 15:28	1
4-Chloroaniline	ND		5.0	4.7	ug/L		07/02/24 11:28	07/11/24 15:28	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: DUP-6-27-24

Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-6

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		07/02/24 11:28	07/11/24 15:28	1
4-Nitroaniline	ND		5.0	4.5	ug/L		07/02/24 11:28	07/11/24 15:28	1
4-Nitrophenol	ND		10	5.3	ug/L		07/02/24 11:28	07/11/24 15:28	1
Acenaphthene	ND		10	7.7	ug/L		07/02/24 11:28	07/11/24 15:28	1
Acenaphthylene	ND		5.0	4.6	ug/L		07/02/24 11:28	07/11/24 15:28	1
Aniline	ND		10	5.4	ug/L		07/02/24 11:28	07/11/24 15:28	1
Anthracene	ND		5.0	3.9	ug/L		07/02/24 11:28	07/11/24 15:28	1
Azobenzene	ND		10	3.8	ug/L		07/02/24 11:28	07/11/24 15:28	1
Benzo[a]anthracene	ND		10	6.7	ug/L		07/02/24 11:28	07/11/24 15:28	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		07/02/24 11:28	07/11/24 15:28	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		07/02/24 11:28	07/11/24 15:28	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		07/02/24 11:28	07/11/24 15:28	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		07/02/24 11:28	07/11/24 15:28	1
Benzoic acid	ND		20	15	ug/L		07/02/24 11:28	07/11/24 15:28	1
Benzyl alcohol	ND		5.0	4.8	ug/L		07/02/24 11:28	07/11/24 15:28	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		07/02/24 11:28	07/11/24 15:28	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		07/02/24 11:28	07/11/24 15:28	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		07/02/24 11:28	07/11/24 15:28	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		07/02/24 11:28	07/11/24 15:28	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		07/02/24 11:28	07/11/24 15:28	1
Carbazole	ND		10	5.3	ug/L		07/02/24 11:28	07/11/24 15:28	1
Chrysene	ND		5.0	4.7	ug/L		07/02/24 11:28	07/11/24 15:28	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		07/02/24 11:28	07/11/24 15:28	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		07/02/24 11:28	07/11/24 15:28	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		07/02/24 11:28	07/11/24 15:28	1
Dibenzofuran	ND		10	4.9	ug/L		07/02/24 11:28	07/11/24 15:28	1
Diethyl phthalate	ND		10	5.6	ug/L		07/02/24 11:28	07/11/24 15:28	1
Dimethyl phthalate	ND		10	5.4	ug/L		07/02/24 11:28	07/11/24 15:28	1
Fluoranthene	ND		10	5.5	ug/L		07/02/24 11:28	07/11/24 15:28	1
Fluorene	ND		5.0	4.7	ug/L		07/02/24 11:28	07/11/24 15:28	1
Hexachlorobenzene	ND		20	4.6	ug/L		07/02/24 11:28	07/11/24 15:28	1
Hexachlorobutadiene	ND		20	11	ug/L		07/02/24 11:28	07/11/24 15:28	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		07/02/24 11:28	07/11/24 15:28	1
Hexachloroethane	ND		20	11	ug/L		07/02/24 11:28	07/11/24 15:28	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		07/02/24 11:28	07/11/24 15:28	1
Isophorone	ND		5.0	4.3	ug/L		07/02/24 11:28	07/11/24 15:28	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		07/02/24 11:28	07/11/24 15:28	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		07/02/24 11:28	07/11/24 15:28	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		07/02/24 11:28	07/11/24 15:28	1
Naphthalene	ND		5.0	3.3	ug/L		07/02/24 11:28	07/11/24 15:28	1
Nitrobenzene	ND		5.0	3.6	ug/L		07/02/24 11:28	07/11/24 15:28	1
Pentachlorophenol	ND		20	15	ug/L		07/02/24 11:28	07/11/24 15:28	1
Phenanthrene	ND		5.0	4.8	ug/L		07/02/24 11:28	07/11/24 15:28	1
Phenol	ND		10	3.9	ug/L		07/02/24 11:28	07/11/24 15:28	1
Pyrene	ND		10	5.2	ug/L		07/02/24 11:28	07/11/24 15:28	1
Pyridine	ND		20	2.6	ug/L		07/02/24 11:28	07/11/24 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*18*		*15 - 130*	*07/02/24 11:28*	*07/11/24 15:28*	*1*
2-Fluorophenol (Surr)	*22*		*15 - 130*	*07/02/24 11:28*	*07/11/24 15:28*	*1*

Eurofins Albuquerque

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: DUP-6-27-24

Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:30

Lab Sample ID: 885-7096-6

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*36*		*15 - 130*	*07/02/24 11:28*	*07/11/24 15:28*	*1*
Nitrobenzene-d5 (Surr)	*27*	*S1-*	*29 - 130*	*07/02/24 11:28*	*07/11/24 15:28*	*1*
2-Fluorobiphenyl (Surr)	*28*		*20 - 130*	*07/02/24 11:28*	*07/11/24 15:28*	*1*
p-Terphenyl-d14 (Surr)	*61*		*41 - 130*	*07/02/24 11:28*	*07/11/24 15:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		10	5.0	mg/L			06/28/24 20:37	20
Sulfate	**920**		25	13	mg/L			07/02/24 15:23	50
Nitrate Nitrite as N	ND	H	0.20	0.022	mg/L			07/02/24 15:10	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.030**		0.0025	0.00038	mg/L		07/01/24 12:02	07/08/24 15:13	5

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.015**	**J**	0.020	0.00074	mg/L			07/02/24 10:44	1
Cadmium	ND		0.0020	0.00083	mg/L			07/02/24 10:44	1
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 10:44	1
Silver	ND		0.0050	0.0012	mg/L			07/02/24 10:44	1
Calcium	**22**		1.0	0.089	mg/L			07/02/24 10:44	1
Sodium	**780**		50	15	mg/L			07/02/24 10:35	50

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			07/19/24 18:37	20
Lead	ND		0.020	0.010	mg/L			07/19/24 18:37	20
Selenium	ND		0.020	0.016	mg/L			07/23/24 14:41	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**2400**		250	130	mg/L			07/03/24 10:24	1
Total Alkalinity as CaCO3 (SM 2320B)	**700**		20	20	mg/L			07/09/24 20:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**680**		20	20	mg/L			07/09/24 20:29	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**17**		2.0	2.0	mg/L			07/09/24 20:29	1
pH (SM 4500 H+ B)	**8.5**	**HF**	0.1	0.1	SU			07/09/24 20:29	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: Trip Blank

Lab Sample ID: 885-7096-7

Date Collected: 06/27/24 00:00
Matrix: Water
Date Received: 06/28/24 08:30

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/10/24 13:50	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/10/24 13:50	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/10/24 13:50	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/10/24 13:50	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/10/24 13:50	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/10/24 13:50	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/10/24 13:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/10/24 13:50	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/10/24 13:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/10/24 13:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/10/24 13:50	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/10/24 13:50	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/10/24 13:50	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/10/24 13:50	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/10/24 13:50	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/10/24 13:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/10/24 13:50	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/10/24 13:50	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/10/24 13:50	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/10/24 13:50	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 13:50	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/10/24 13:50	1
2-Butanone	ND		10	2.0	ug/L			07/10/24 13:50	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 13:50	1
2-Hexanone	ND		10	1.8	ug/L			07/10/24 13:50	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 13:50	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 13:50	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/10/24 13:50	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/10/24 13:50	1
Acetone	ND		10	2.5	ug/L			07/10/24 13:50	1
Benzene	ND		1.0	0.23	ug/L			07/10/24 13:50	1
Bromobenzene	ND		1.0	0.28	ug/L			07/10/24 13:50	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/10/24 13:50	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/10/24 13:50	1
Bromoform	ND		1.0	0.31	ug/L			07/10/24 13:50	1
Bromomethane	ND		3.0	1.0	ug/L			07/10/24 13:50	1
Carbon disulfide	ND		10	1.0	ug/L			07/10/24 13:50	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/10/24 13:50	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/10/24 13:50	1
Chloroethane	ND		2.0	0.38	ug/L			07/10/24 13:50	1
Chloroform	ND		1.0	0.25	ug/L			07/10/24 13:50	1
Chloromethane	ND		3.0	0.41	ug/L			07/10/24 13:50	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/10/24 13:50	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/10/24 13:50	1
Dibromomethane	ND		1.0	0.31	ug/L			07/10/24 13:50	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/10/24 13:50	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/10/24 13:50	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/10/24 13:50	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/10/24 13:50	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: Trip Blank

Lab Sample ID: 885-7096-7

Date Collected: 06/27/24 00:00
Matrix: Water
Date Received: 06/28/24 08:30

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/10/24 13:50	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/10/24 13:50	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/10/24 13:50	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/10/24 13:50	1
Naphthalene	ND		2.0	0.24	ug/L			07/10/24 13:50	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/10/24 13:50	1
Styrene	ND		1.0	0.14	ug/L			07/10/24 13:50	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/10/24 13:50	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/10/24 13:50	1
Toluene	ND		1.0	0.25	ug/L			07/10/24 13:50	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/10/24 13:50	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/10/24 13:50	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/10/24 13:50	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/10/24 13:50	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/10/24 13:50	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/10/24 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*07/10/24 13:50*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/10/24 13:50*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*07/10/24 13:50*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*		*07/10/24 13:50*	*1*

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-8074/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/09/24 13:32	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/09/24 13:32	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/09/24 13:32	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/09/24 13:32	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/09/24 13:32	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/09/24 13:32	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/09/24 13:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/09/24 13:32	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/09/24 13:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/09/24 13:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/09/24 13:32	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/09/24 13:32	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/09/24 13:32	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/09/24 13:32	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/09/24 13:32	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/09/24 13:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/09/24 13:32	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/09/24 13:32	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/09/24 13:32	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/09/24 13:32	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/09/24 13:32	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/09/24 13:32	1
2-Butanone	ND		10	2.0	ug/L			07/09/24 13:32	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/09/24 13:32	1
2-Hexanone	ND		10	1.8	ug/L			07/09/24 13:32	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/09/24 13:32	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/09/24 13:32	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/09/24 13:32	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/09/24 13:32	1
Acetone	ND		10	2.5	ug/L			07/09/24 13:32	1
Benzene	ND		1.0	0.23	ug/L			07/09/24 13:32	1
Bromobenzene	ND		1.0	0.28	ug/L			07/09/24 13:32	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/09/24 13:32	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/09/24 13:32	1
Bromoform	ND		1.0	0.31	ug/L			07/09/24 13:32	1
Bromomethane	ND		3.0	1.0	ug/L			07/09/24 13:32	1
Carbon disulfide	ND		10	1.0	ug/L			07/09/24 13:32	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/09/24 13:32	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/09/24 13:32	1
Chloroethane	ND		2.0	0.38	ug/L			07/09/24 13:32	1
Chloroform	ND		1.0	0.25	ug/L			07/09/24 13:32	1
Chloromethane	ND		3.0	0.41	ug/L			07/09/24 13:32	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/09/24 13:32	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/09/24 13:32	1
Dibromomethane	ND		1.0	0.31	ug/L			07/09/24 13:32	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/09/24 13:32	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/09/24 13:32	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/09/24 13:32	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

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

Lab Sample ID: MB 885-8074/5
Matrix: Water
Analysis Batch: 8074

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.18	ug/L			07/09/24 13:32	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/09/24 13:32	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/09/24 13:32	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/09/24 13:32	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/09/24 13:32	1
Naphthalene	ND		2.0	0.24	ug/L			07/09/24 13:32	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/09/24 13:32	1
Styrene	ND		1.0	0.14	ug/L			07/09/24 13:32	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/09/24 13:32	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/09/24 13:32	1
Toluene	ND		1.0	0.25	ug/L			07/09/24 13:32	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/09/24 13:32	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/09/24 13:32	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/09/24 13:32	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/09/24 13:32	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/09/24 13:32	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/09/24 13:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*07/09/24 13:32*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/09/24 13:32*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*07/09/24 13:32*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*07/09/24 13:32*	*1*

Lab Sample ID: LCS 885-8074/4
Matrix: Water
Analysis Batch: 8074

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	20.0		ug/L		99	70 - 130
Benzene	20.1	21.4		ug/L		107	70 - 130
Chlorobenzene	20.1	22.7		ug/L		113	70 - 130
Toluene	20.2	22.1		ug/L		110	70 - 130
Trichloroethene (TCE)	20.2	20.1		ug/L		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
Dibromofluoromethane (Surr)	*93*		*70 - 130*

Lab Sample ID: MB 885-8161/5
Matrix: Water
Analysis Batch: 8161

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/10/24 12:37	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/10/24 12:37	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

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

Lab Sample ID: MB 885-8161/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8161

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/10/24 12:37	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/10/24 12:37	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/10/24 12:37	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/10/24 12:37	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/10/24 12:37	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/10/24 12:37	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/10/24 12:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/10/24 12:37	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/10/24 12:37	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/10/24 12:37	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/10/24 12:37	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/10/24 12:37	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/10/24 12:37	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/10/24 12:37	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/10/24 12:37	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/10/24 12:37	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/10/24 12:37	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/10/24 12:37	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 12:37	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/10/24 12:37	1
2-Butanone	ND		10	2.0	ug/L			07/10/24 12:37	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 12:37	1
2-Hexanone	ND		10	1.8	ug/L			07/10/24 12:37	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 12:37	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 12:37	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/10/24 12:37	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/10/24 12:37	1
Acetone	ND		10	2.5	ug/L			07/10/24 12:37	1
Benzene	ND		1.0	0.23	ug/L			07/10/24 12:37	1
Bromobenzene	ND		1.0	0.28	ug/L			07/10/24 12:37	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/10/24 12:37	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/10/24 12:37	1
Bromoform	ND		1.0	0.31	ug/L			07/10/24 12:37	1
Bromomethane	ND		3.0	1.0	ug/L			07/10/24 12:37	1
Carbon disulfide	ND		10	1.0	ug/L			07/10/24 12:37	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/10/24 12:37	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/10/24 12:37	1
Chloroethane	ND		2.0	0.38	ug/L			07/10/24 12:37	1
Chloroform	ND		1.0	0.25	ug/L			07/10/24 12:37	1
Chloromethane	ND		3.0	0.41	ug/L			07/10/24 12:37	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/10/24 12:37	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/10/24 12:37	1
Dibromomethane	ND		1.0	0.31	ug/L			07/10/24 12:37	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/10/24 12:37	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/10/24 12:37	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/10/24 12:37	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/10/24 12:37	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/10/24 12:37	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/10/24 12:37	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

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

Lab Sample ID: MB 885-8161/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8161

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		3.0	0.13	ug/L			07/10/24 12:37	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/10/24 12:37	1
Naphthalene	ND		2.0	0.24	ug/L			07/10/24 12:37	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/10/24 12:37	1
Styrene	ND		1.0	0.14	ug/L			07/10/24 12:37	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/10/24 12:37	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/10/24 12:37	1
Toluene	ND		1.0	0.25	ug/L			07/10/24 12:37	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/10/24 12:37	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/10/24 12:37	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/10/24 12:37	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/10/24 12:37	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/10/24 12:37	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/10/24 12:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*07/10/24 12:37*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/10/24 12:37*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*07/10/24 12:37*	*1*
Dibromofluoromethane (Surr)	*93*		*70 - 130*		*07/10/24 12:37*	*1*

Lab Sample ID: STOBLK 885-8161/29
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8161

Analyte	STOBLK Result	STOBLK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/10/24 22:25	1
1,1,1-Trichloroethane	0.140	J	1.0	0.081	ug/L			07/10/24 22:25	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/10/24 22:25	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/10/24 22:25	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/10/24 22:25	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/10/24 22:25	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/10/24 22:25	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/10/24 22:25	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/10/24 22:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/10/24 22:25	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/10/24 22:25	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/10/24 22:25	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/10/24 22:25	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/10/24 22:25	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/10/24 22:25	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/10/24 22:25	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/10/24 22:25	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/10/24 22:25	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/10/24 22:25	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/10/24 22:25	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 22:25	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/10/24 22:25	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

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

Lab Sample ID: STOBLK 885-8161/29
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8161

Analyte	STOBLK Result	STOBLK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		10	2.0	ug/L			07/10/24 22:25	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 22:25	1
2-Hexanone	ND		10	1.8	ug/L			07/10/24 22:25	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/10/24 22:25	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/10/24 22:25	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/10/24 22:25	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/10/24 22:25	1
Acetone	ND		10	2.5	ug/L			07/10/24 22:25	1
Benzene	ND		1.0	0.23	ug/L			07/10/24 22:25	1
Bromobenzene	ND		1.0	0.28	ug/L			07/10/24 22:25	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/10/24 22:25	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/10/24 22:25	1
Bromoform	ND		1.0	0.31	ug/L			07/10/24 22:25	1
Bromomethane	ND		3.0	1.0	ug/L			07/10/24 22:25	1
Carbon disulfide	ND		10	1.0	ug/L			07/10/24 22:25	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/10/24 22:25	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/10/24 22:25	1
Chloroethane	ND		2.0	0.38	ug/L			07/10/24 22:25	1
Chloroform	ND		1.0	0.25	ug/L			07/10/24 22:25	1
Chloromethane	ND		3.0	0.41	ug/L			07/10/24 22:25	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/10/24 22:25	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/10/24 22:25	1
Dibromomethane	ND		1.0	0.31	ug/L			07/10/24 22:25	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/10/24 22:25	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/10/24 22:25	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/10/24 22:25	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/10/24 22:25	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/10/24 22:25	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/10/24 22:25	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/10/24 22:25	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/10/24 22:25	1
Naphthalene	ND		2.0	0.24	ug/L			07/10/24 22:25	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/10/24 22:25	1
Styrene	ND		1.0	0.14	ug/L			07/10/24 22:25	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/10/24 22:25	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/10/24 22:25	1
Toluene	ND		1.0	0.25	ug/L			07/10/24 22:25	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/10/24 22:25	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/10/24 22:25	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/10/24 22:25	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/10/24 22:25	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/10/24 22:25	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/10/24 22:25	1

Surrogate	*STOBLK %Recovery*	*STOBLK Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*07/10/24 22:25*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/10/24 22:25*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*07/10/24 22:25*	*1*

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

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

Lab Sample ID: STOBLK 885-8161/29
Matrix: Water
Analysis Batch: 8161

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

Surrogate	STOBLK %Recovery	STOBLK Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	94		70 - 130		07/10/24 22:25	1

Lab Sample ID: LCS 885-8161/4
Matrix: Water
Analysis Batch: 8161

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	21.0		ug/L		104	70 - 130
Benzene	20.1	21.0		ug/L		104	70 - 130
Chlorobenzene	20.1	24.4		ug/L		121	70 - 130
Toluene	20.2	23.7		ug/L		118	70 - 130
Trichloroethene (TCE)	20.2	20.1		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
Toluene-d8 (Surr)	104		70 - 130
4-Bromofluorobenzene (Surr)	106		70 - 130
Dibromofluoromethane (Surr)	92		70 - 130

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

Lab Sample ID: MB 885-7777/1-A
Matrix: Water
Analysis Batch: 8220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		07/02/24 11:28	07/11/24 11:15	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		07/02/24 11:28	07/11/24 11:15	1
1,3-Dichlorobenzene	ND		12	11	ug/L		07/02/24 11:28	07/11/24 11:15	1
1,4-Dichlorobenzene	ND		12	10	ug/L		07/02/24 11:28	07/11/24 11:15	1
1-Methylnaphthalene	ND		10	8.5	ug/L		07/02/24 11:28	07/11/24 11:15	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		07/02/24 11:28	07/11/24 11:15	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		07/02/24 11:28	07/11/24 11:15	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		07/02/24 11:28	07/11/24 11:15	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		07/02/24 11:28	07/11/24 11:15	1
2,4-Dinitrophenol	ND		30	27	ug/L		07/02/24 11:28	07/11/24 11:15	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		07/02/24 11:28	07/11/24 11:15	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		07/02/24 11:28	07/11/24 11:15	1
2-Chloronaphthalene	ND		10	8.7	ug/L		07/02/24 11:28	07/11/24 11:15	1
2-Chlorophenol	ND		20	11	ug/L		07/02/24 11:28	07/11/24 11:15	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		07/02/24 11:28	07/11/24 11:15	1
2-Methylphenol	ND		10	4.7	ug/L		07/02/24 11:28	07/11/24 11:15	1
2-Nitroaniline	ND		10	5.5	ug/L		07/02/24 11:28	07/11/24 11:15	1
2-Nitrophenol	ND		10	4.4	ug/L		07/02/24 11:28	07/11/24 11:15	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		07/02/24 11:28	07/11/24 11:15	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		07/02/24 11:28	07/11/24 11:15	1
3-Nitroaniline	ND		20	15	ug/L		07/02/24 11:28	07/11/24 11:15	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		07/02/24 11:28	07/11/24 11:15	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

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

Lab Sample ID: MB 885-7777/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8220
Prep Batch: 7777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		07/02/24 11:28	07/11/24 11:15	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		07/02/24 11:28	07/11/24 11:15	1
4-Chloroaniline	ND		5.0	4.7	ug/L		07/02/24 11:28	07/11/24 11:15	1
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		07/02/24 11:28	07/11/24 11:15	1
4-Nitroaniline	ND		5.0	4.5	ug/L		07/02/24 11:28	07/11/24 11:15	1
4-Nitrophenol	ND		10	5.3	ug/L		07/02/24 11:28	07/11/24 11:15	1
Acenaphthene	ND		10	7.7	ug/L		07/02/24 11:28	07/11/24 11:15	1
Acenaphthylene	ND		5.0	4.6	ug/L		07/02/24 11:28	07/11/24 11:15	1
Aniline	ND		10	5.4	ug/L		07/02/24 11:28	07/11/24 11:15	1
Anthracene	ND		5.0	3.9	ug/L		07/02/24 11:28	07/11/24 11:15	1
Azobenzene	ND		10	3.8	ug/L		07/02/24 11:28	07/11/24 11:15	1
Benzo[a]anthracene	ND		10	6.7	ug/L		07/02/24 11:28	07/11/24 11:15	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		07/02/24 11:28	07/11/24 11:15	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		07/02/24 11:28	07/11/24 11:15	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		07/02/24 11:28	07/11/24 11:15	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		07/02/24 11:28	07/11/24 11:15	1
Benzoic acid	ND		20	15	ug/L		07/02/24 11:28	07/11/24 11:15	1
Benzyl alcohol	ND		5.0	4.8	ug/L		07/02/24 11:28	07/11/24 11:15	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		07/02/24 11:28	07/11/24 11:15	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		07/02/24 11:28	07/11/24 11:15	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		07/02/24 11:28	07/11/24 11:15	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		07/02/24 11:28	07/11/24 11:15	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		07/02/24 11:28	07/11/24 11:15	1
Carbazole	ND		10	5.3	ug/L		07/02/24 11:28	07/11/24 11:15	1
Chrysene	ND		5.0	4.7	ug/L		07/02/24 11:28	07/11/24 11:15	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		07/02/24 11:28	07/11/24 11:15	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		07/02/24 11:28	07/11/24 11:15	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		07/02/24 11:28	07/11/24 11:15	1
Dibenzofuran	ND		10	4.9	ug/L		07/02/24 11:28	07/11/24 11:15	1
Diethyl phthalate	ND		10	5.6	ug/L		07/02/24 11:28	07/11/24 11:15	1
Dimethyl phthalate	ND		10	5.4	ug/L		07/02/24 11:28	07/11/24 11:15	1
Fluoranthene	ND		10	5.5	ug/L		07/02/24 11:28	07/11/24 11:15	1
Fluorene	ND		5.0	4.7	ug/L		07/02/24 11:28	07/11/24 11:15	1
Hexachlorobenzene	ND		20	4.6	ug/L		07/02/24 11:28	07/11/24 11:15	1
Hexachlorobutadiene	ND		20	11	ug/L		07/02/24 11:28	07/11/24 11:15	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		07/02/24 11:28	07/11/24 11:15	1
Hexachloroethane	ND		20	11	ug/L		07/02/24 11:28	07/11/24 11:15	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		07/02/24 11:28	07/11/24 11:15	1
Isophorone	ND		5.0	4.3	ug/L		07/02/24 11:28	07/11/24 11:15	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		07/02/24 11:28	07/11/24 11:15	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		07/02/24 11:28	07/11/24 11:15	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		07/02/24 11:28	07/11/24 11:15	1
Naphthalene	ND		5.0	3.3	ug/L		07/02/24 11:28	07/11/24 11:15	1
Nitrobenzene	ND		5.0	3.6	ug/L		07/02/24 11:28	07/11/24 11:15	1
Pentachlorophenol	ND		20	15	ug/L		07/02/24 11:28	07/11/24 11:15	1
Phenanthrene	ND		5.0	4.8	ug/L		07/02/24 11:28	07/11/24 11:15	1
Phenol	ND		10	3.9	ug/L		07/02/24 11:28	07/11/24 11:15	1
Pyrene	ND		10	5.2	ug/L		07/02/24 11:28	07/11/24 11:15	1
Pyridine	ND		20	2.6	ug/L		07/02/24 11:28	07/11/24 11:15	1

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	49		15 - 130	07/02/24 11:28	07/11/24 11:15	1
2-Fluorophenol (Surr)	63		15 - 130	07/02/24 11:28	07/11/24 11:15	1
2,4,6-Tribromophenol (Surr)	98		15 - 130	07/02/24 11:28	07/11/24 11:15	1
Nitrobenzene-d5 (Surr)	68		29 - 130	07/02/24 11:28	07/11/24 11:15	1
2-Fluorobiphenyl (Surr)	62		20 - 130	07/02/24 11:28	07/11/24 11:15	1
p-Terphenyl-d14 (Surr)	100		41 - 130	07/02/24 11:28	07/11/24 11:15	1

Lab Sample ID: LCS 885-7777/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8220 — **Prep Batch: 7777**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	100	48.7		ug/L		49	22 - 130
1,4-Dichlorobenzene	100	45.0		ug/L		45	22 - 130
2,4-Dinitrotoluene	100	75.1		ug/L		75	38 - 130
2-Chlorophenol	200	127		ug/L		63	38 - 130
4-Chloro-3-methylphenol	200	146		ug/L		73	42 - 130
4-Nitrophenol	200	83.9		ug/L		42	16 - 130
Acenaphthene	100	68.0		ug/L		68	39 - 130
N-Nitrosodi-n-propylamine	100	65.4		ug/L		65	38 - 130
Pentachlorophenol	200	130		ug/L		65	15 - 130
Phenol	200	73.0		ug/L		36	27 - 130
Pyrene	100	82.8		ug/L		83	65 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	40		15 - 130
2-Fluorophenol (Surr)	50		15 - 130
2,4,6-Tribromophenol (Surr)	86		15 - 130
Nitrobenzene-d5 (Surr)	58		29 - 130
2-Fluorobiphenyl (Surr)	54		20 - 130
p-Terphenyl-d14 (Surr)	86		41 - 130

Lab Sample ID: LCSD 885-7777/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8220 — **Prep Batch: 7777**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	100	51.2		ug/L		51	22 - 130	5	42
1,4-Dichlorobenzene	100	47.1		ug/L		47	22 - 130	4	44
2,4-Dinitrotoluene	100	80.6		ug/L		81	38 - 130	7	39
2-Chlorophenol	200	129		ug/L		64	38 - 130	2	65
4-Chloro-3-methylphenol	200	160		ug/L		80	42 - 130	10	48
4-Nitrophenol	200	89.8		ug/L		45	16 - 130	7	55
Acenaphthene	100	74.6		ug/L		75	39 - 130	9	45
N-Nitrosodi-n-propylamine	100	72.1		ug/L		72	38 - 130	10	44
Pentachlorophenol	200	139		ug/L		70	15 - 130	7	55
Phenol	200	74.2		ug/L		37	27 - 130	2	49
Pyrene	100	81.2		ug/L		81	65 - 130	2	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	39		15 - 130

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

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

Lab Sample ID: LCSD 885-7777/3-A
Matrix: Water
Analysis Batch: 8220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7777

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*50*		*15 - 130*
2,4,6-Tribromophenol (Surr)	*89*		*15 - 130*
Nitrobenzene-d5 (Surr)	*58*		*29 - 130*
2-Fluorobiphenyl (Surr)	*57*		*20 - 130*
p-Terphenyl-d14 (Surr)	*87*		*41 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-7601/4
Matrix: Water
Analysis Batch: 7601

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.25	mg/L			06/28/24 17:20	1
Sulfate	ND		0.50	0.25	mg/L			06/28/24 17:20	1

Lab Sample ID: LCS 885-7601/5
Matrix: Water
Analysis Batch: 7601

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.78		mg/L		96	90 - 110
Sulfate	10.0	9.79		mg/L		98	90 - 110

Lab Sample ID: MRL 885-7601/3
Matrix: Water
Analysis Batch: 7601

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.541		mg/L		108	50 - 150
Sulfate	0.500	0.549		mg/L		110	50 - 150

Lab Sample ID: 885-7096-1 MS
Matrix: Water
Analysis Batch: 7601

Client Sample ID: EB-6-27-24
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		5.00	4.86		mg/L		97	80 - 120
Sulfate	ND		10.0	9.91		mg/L		99	80 - 120

Lab Sample ID: 885-7096-1 MSD
Matrix: Water
Analysis Batch: 7601

Client Sample ID: EB-6-27-24
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		5.00	4.81		mg/L		96	80 - 120	1	20
Sulfate	ND		10.0	9.88		mg/L		99	80 - 120	0	20

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-7602/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7602

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			06/28/24 17:20	1

Lab Sample ID: LCS 885-7602/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7602

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.52		mg/L		101	90 - 110
Nitrite	1.00	0.937		mg/L		94	90 - 110

Lab Sample ID: MRL 885-7602/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7602

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.109		mg/L		109	50 - 150
Nitrite	0.0999	0.0975	J	mg/L		98	50 - 150

Lab Sample ID: 885-7096-1 MS — **Client Sample ID: EB-6-27-24**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7602

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	ND		2.50	2.55		mg/L		102	80 - 120
Nitrite	ND		1.00	0.951		mg/L		95	80 - 120

Lab Sample ID: 885-7096-1 MSD — **Client Sample ID: EB-6-27-24**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7602

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate	ND		2.50	2.53		mg/L		101	80 - 120	1	20
Nitrite	ND		1.00	0.944		mg/L		94	80 - 120	1	20

Lab Sample ID: MB 885-7847/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.25	mg/L			07/02/24 09:12	1
Sulfate	ND		0.50	0.25	mg/L			07/02/24 09:12	1

Lab Sample ID: LCS 885-7847/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.96		mg/L		99	90 - 110
Sulfate	10.0	9.90		mg/L		99	90 - 110

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-7847/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7847

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.553		mg/L		111	50 - 150
Sulfate	0.500	0.541		mg/L		108	50 - 150

Lab Sample ID: MB 885-7848/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			07/02/24 09:12	1

Lab Sample ID: LCS 885-7848/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.60		mg/L		104	90 - 110
Nitrite	1.00	0.992		mg/L		99	90 - 110

Lab Sample ID: MRL 885-7848/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7848

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.108		mg/L		108	50 - 150
Nitrite	0.0999	0.102		mg/L		102	50 - 150

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MRL 885-8055/9 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8055

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.000500	0.000505		mg/L		101	50 - 150

Lab Sample ID: MB 885-7697/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 8055 — **Prep Batch: 7697**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.00050	0.000076	mg/L		07/01/24 12:02	07/08/24 10:06	1

Lab Sample ID: LCS 885-7697/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 8055 — **Prep Batch: 7697**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.0125	0.0128		mg/L		103	85 - 115

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LLCS 885-7697/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 8055 — **Prep Batch: 7697**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.000500	0.000529		mg/L		106	50 - 150

Lab Sample ID: 885-7096-1 MS — **Client Sample ID: EB-6-27-24**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 8055 — **Prep Batch: 7697**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	ND		0.0125	0.0136		mg/L		109	70 - 130

Lab Sample ID: 885-7096-1 MSD — **Client Sample ID: EB-6-27-24**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 8055 — **Prep Batch: 7697**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	ND		0.0125	0.0137		mg/L		109	70 - 130	0	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-7818/16 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.020	0.00074	mg/L			07/02/24 08:14	1
Cadmium	ND		0.0020	0.00083	mg/L			07/02/24 08:14	1
Chromium	ND		0.0060	0.0015	mg/L			07/02/24 08:14	1
Silver	ND		0.0050	0.0012	mg/L			07/02/24 08:14	1
Calcium	ND		1.0	0.089	mg/L			07/02/24 08:14	1
Sodium	ND		1.0	0.30	mg/L			07/02/24 08:14	1

Lab Sample ID: LCS 885-7818/18 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.467		mg/L		93	80 - 120
Cadmium	0.500	0.478		mg/L		96	80 - 120
Chromium	0.500	0.467		mg/L		93	80 - 120
Silver	0.500	0.502		mg/L		100	80 - 120
Calcium	50.0	52.1		mg/L		104	80 - 120
Sodium	50.0	51.3		mg/L		103	80 - 120

Lab Sample ID: MRL 885-7818/13 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7818

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.00200	0.00200		mg/L		100	50 - 150
Cadmium	0.00200	0.00200		mg/L		100	50 - 150
Chromium	0.00600	0.00593	J	mg/L		99	50 - 150

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MRL 885-7818/13 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7818

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.00500	0.00496	J	mg/L		99	50 - 150
Calcium	0.500	0.539	J	mg/L		108	50 - 150
Sodium	0.500	ND		mg/L		73	50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 885-8809/16 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			07/19/24 10:20	1
Lead	ND		0.0010	0.00050	mg/L			07/19/24 10:20	1
Selenium	ND		0.0010	0.00080	mg/L			07/19/24 10:20	1

Lab Sample ID: MB 885-8809/19 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			07/19/24 10:34	1
Lead	ND		0.0010	0.00050	mg/L			07/19/24 10:34	1
Selenium	ND		0.0010	0.00080	mg/L			07/19/24 10:34	1

Lab Sample ID: LCS 885-8809/17 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0492		mg/L		98	80 - 120
Lead	0.0500	0.0523		mg/L		105	80 - 120
Selenium	0.0500	0.0499		mg/L		100	80 - 120

Lab Sample ID: LCS 885-8809/20 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0511		mg/L		102	80 - 120
Lead	0.0500	0.0519		mg/L		104	80 - 120
Selenium	0.0500	0.0523		mg/L		105	80 - 120

Lab Sample ID: LCSD 885-8809/18 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0498		mg/L		100	80 - 120	1	20
Lead	0.0500	0.0524		mg/L		105	80 - 120	0	20
Selenium	0.0500	0.0531		mg/L		106	80 - 120	6	20

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 885-8809/21 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0502		mg/L		100	80 - 120	2	20
Lead	0.0500	0.0522		mg/L		104	80 - 120	1	20
Selenium	0.0500	0.0519		mg/L		104	80 - 120	1	20

Lab Sample ID: MRL 885-8809/9 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8809

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000949	J	mg/L		95	70 - 130
Lead	0.00100	0.00104		mg/L		104	70 - 130
Selenium	0.00100	0.00108		mg/L		108	70 - 130

Lab Sample ID: MB 885-8837/15 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			07/19/24 15:17	1
Lead	ND		0.0010	0.00050	mg/L			07/19/24 15:17	1
Selenium	ND		0.0010	0.00080	mg/L			07/19/24 15:17	1

Lab Sample ID: MB 885-8837/18 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			07/19/24 15:30	1
Lead	ND		0.0010	0.00050	mg/L			07/19/24 15:30	1
Selenium	ND		0.0010	0.00080	mg/L			07/19/24 15:30	1

Lab Sample ID: LCS 885-8837/16 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0509		mg/L		102	80 - 120
Lead	0.0500	0.0499		mg/L		100	80 - 120
Selenium	0.0500	0.0508		mg/L		102	80 - 120

Lab Sample ID: LCS 885-8837/19 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0510		mg/L		102	80 - 120
Lead	0.0500	0.0514		mg/L		103	80 - 120
Selenium	0.0500	0.0517		mg/L		103	80 - 120

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 885-8837/17
Matrix: Water
Analysis Batch: 8837

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0520		mg/L		104	80 - 120	2	20
Lead	0.0500	0.0504		mg/L		101	80 - 120	1	20
Selenium	0.0500	0.0497		mg/L		99	80 - 120	2	20

Lab Sample ID: LCSD 885-8837/20
Matrix: Water
Analysis Batch: 8837

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0500		mg/L		100	80 - 120	2	20
Lead	0.0500	0.0510		mg/L		102	80 - 120	1	20
Selenium	0.0500	0.0481		mg/L		96	80 - 120	7	20

Lab Sample ID: MRL 885-8837/9
Matrix: Water
Analysis Batch: 8837

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000929	J	mg/L		93	70 - 130
Lead	0.00100	0.000926	J	mg/L		93	70 - 130
Selenium	0.00100	ND		mg/L		79	70 - 130

Lab Sample ID: MB 885-9029/21
Matrix: Water
Analysis Batch: 9029

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			07/23/24 12:53	1
Lead	ND		0.0010	0.00050	mg/L			07/23/24 12:53	1
Selenium	ND		0.0010	0.00080	mg/L			07/23/24 12:53	1

Lab Sample ID: LCS 885-9029/22
Matrix: Water
Analysis Batch: 9029

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0545		mg/L		109	80 - 120
Lead	0.0500	0.0524		mg/L		105	80 - 120
Selenium	0.0500	0.0545		mg/L		109	80 - 120

Lab Sample ID: LCSD 885-9029/23
Matrix: Water
Analysis Batch: 9029

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0531		mg/L		106	80 - 120	3	20
Lead	0.0500	0.0509		mg/L		102	80 - 120	3	20
Selenium	0.0500	0.0526		mg/L		105	80 - 120	3	20

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-9029/15 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9029

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00111		mg/L		111	70 - 130
Lead	0.00100	0.00109		mg/L		109	70 - 130
Selenium	0.00100	0.000912	J	mg/L		91	70 - 130

Lab Sample ID: MB 885-8531/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 8809 — **Prep Batch: 8531**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		07/16/24 17:53	07/19/24 11:46	5
Lead	ND		0.0050	0.0025	mg/L		07/16/24 17:53	07/19/24 11:46	5
Selenium	ND		0.0050	0.0040	mg/L		07/16/24 17:53	07/19/24 11:46	5

Lab Sample ID: LLCS 885-8531/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 8809 — **Prep Batch: 8531**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	ND		mg/L		142	
Selenium	0.00100	ND		mg/L		56	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 885-8087/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8266 — **Prep Batch: 8087**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/09/24 16:34	07/11/24 09:15	1

Lab Sample ID: LCS 885-8087/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8266 — **Prep Batch: 8087**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00488		mg/L		98	85 - 115

Lab Sample ID: LLCS 885-8087/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8266 — **Prep Batch: 8087**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000121	J	mg/L		81	50 - 150

Lab Sample ID: MRL 885-8089/9-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8266 — **Prep Batch: 8089**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000190	J	mg/L		127	50 - 150

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-7867/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7867

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	25	mg/L			07/03/24 10:24	1

Lab Sample ID: LCS 885-7867/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1020		mg/L		102	80 - 120

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-8150/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			07/09/24 12:46	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			07/09/24 12:46	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			07/09/24 12:46	1

Lab Sample ID: MB 885-8150/25 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			07/09/24 17:48	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			07/09/24 17:48	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			07/09/24 17:48	1

Lab Sample ID: LCS 885-8150/26 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	80.4		mg/L		95	90 - 110

Lab Sample ID: LCS 885-8150/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	79.6		mg/L		94	90 - 110

Lab Sample ID: MRL 885-8150/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8150

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	23.0		mg/L		108	50 - 150

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 885-8249/2
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8249

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			07/10/24 16:50	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			07/10/24 16:50	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			07/10/24 16:50	1

Lab Sample ID: LCS 885-8249/3
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8249

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	79.7		mg/L		94	90 - 110

Lab Sample ID: MRL 885-8249/1
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8249

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	22.8		mg/L		108	50 - 150

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

GC/MS VOA

Analysis Batch: 8074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-2	WMW-10	Total/NA	Water	8260B	
885-7096-2	WMW-10	Total/NA	Water	8260B	
885-7096-3	WMW-7	Total/NA	Water	8260B	
885-7096-4	WMW-11	Total/NA	Water	8260B	
885-7096-6	DUP-6-27-24	Total/NA	Water	8260B	
MB 885-8074/5	Method Blank	Total/NA	Water	8260B	
LCS 885-8074/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 8161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Total/NA	Water	8260B	
885-7096-5	FB-6-27-24	Total/NA	Water	8260B	
885-7096-7	Trip Blank	Total/NA	Water	8260B	
MB 885-8161/5	Method Blank	Total/NA	Water	8260B	
STOBLK 885-8161/29	Method Blank	Total/NA	Water	8260B	
LCS 885-8161/4	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 7777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Total/NA	Water	3510C	
885-7096-2	WMW-10	Total/NA	Water	3510C	
885-7096-3	WMW-7	Total/NA	Water	3510C	
885-7096-6	DUP-6-27-24	Total/NA	Water	3510C	
MB 885-7777/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-7777/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-7777/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 8220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Total/NA	Water	8270C	7777
885-7096-2	WMW-10	Total/NA	Water	8270C	7777
885-7096-3	WMW-7	Total/NA	Water	8270C	7777
885-7096-6	DUP-6-27-24	Total/NA	Water	8270C	7777
MB 885-7777/1-A	Method Blank	Total/NA	Water	8270C	7777
LCS 885-7777/2-A	Lab Control Sample	Total/NA	Water	8270C	7777
LCSD 885-7777/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	7777

HPLC/IC

Analysis Batch: 7601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Total/NA	Water	300.0	
885-7096-2	WMW-10	Total/NA	Water	300.0	
885-7096-2	WMW-10	Total/NA	Water	300.0	
885-7096-3	WMW-7	Total/NA	Water	300.0	
885-7096-6	DUP-6-27-24	Total/NA	Water	300.0	
MB 885-7601/4	Method Blank	Total/NA	Water	300.0	
LCS 885-7601/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-7601/3	Lab Control Sample	Total/NA	Water	300.0	
885-7096-1 MS	EB-6-27-24	Total/NA	Water	300.0	

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

HPLC/IC (Continued)

Analysis Batch: 7601 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1 MSD	EB-6-27-24	Total/NA	Water	300.0	

Analysis Batch: 7602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Total/NA	Water	300.0	
885-7096-2	WMW-10	Total/NA	Water	300.0	
MB 885-7602/4	Method Blank	Total/NA	Water	300.0	
LCS 885-7602/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-7602/3	Lab Control Sample	Total/NA	Water	300.0	
885-7096-1 MS	EB-6-27-24	Total/NA	Water	300.0	
885-7096-1 MSD	EB-6-27-24	Total/NA	Water	300.0	

Analysis Batch: 7847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-3	WMW-7	Total/NA	Water	300.0	
885-7096-6	DUP-6-27-24	Total/NA	Water	300.0	
MB 885-7847/4	Method Blank	Total/NA	Water	300.0	
LCS 885-7847/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-7847/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 7848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-3	WMW-7	Total/NA	Water	300.0	
885-7096-6	DUP-6-27-24	Total/NA	Water	300.0	
MB 885-7848/4	Method Blank	Total/NA	Water	300.0	
LCS 885-7848/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-7848/3	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 7697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Total Recoverable	Water	200.2	
885-7096-2	WMW-10	Total Recoverable	Water	200.2	
885-7096-3	WMW-7	Total Recoverable	Water	200.2	
885-7096-6	DUP-6-27-24	Total Recoverable	Water	200.2	
MB 885-7697/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-7697/4-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-7697/2-A	Lab Control Sample	Total Recoverable	Water	200.2	
885-7096-1 MS	EB-6-27-24	Total Recoverable	Water	200.2	
885-7096-1 MSD	EB-6-27-24	Total Recoverable	Water	200.2	

Analysis Batch: 7818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Dissolved	Water	6010B	
885-7096-2	WMW-10	Dissolved	Water	6010B	
885-7096-2	WMW-10	Dissolved	Water	6010B	
885-7096-2	WMW-10	Dissolved	Water	6010B	
885-7096-3	WMW-7	Dissolved	Water	6010B	
885-7096-3	WMW-7	Dissolved	Water	6010B	
885-7096-6	DUP-6-27-24	Dissolved	Water	6010B	

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Metals (Continued)

Analysis Batch: 7818 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-6	DUP-6-27-24	Dissolved	Water	6010B	
MB 885-7818/16	Method Blank	Total/NA	Water	6010B	
LCS 885-7818/18	Lab Control Sample	Total/NA	Water	6010B	
MRL 885-7818/13	Lab Control Sample	Total/NA	Water	6010B	

Analysis Batch: 8055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Total Recoverable	Water	200.8	7697
885-7096-2	WMW-10	Total Recoverable	Water	200.8	7697
885-7096-3	WMW-7	Total Recoverable	Water	200.8	7697
885-7096-6	DUP-6-27-24	Total Recoverable	Water	200.8	7697
MB 885-7697/1-A	Method Blank	Total Recoverable	Water	200.8	7697
LCS 885-7697/4-A	Lab Control Sample	Total Recoverable	Water	200.8	7697
LLCS 885-7697/2-A	Lab Control Sample	Total Recoverable	Water	200.8	7697
MRL 885-8055/9	Lab Control Sample	Total/NA	Water	200.8	
885-7096-1 MS	EB-6-27-24	Total Recoverable	Water	200.8	7697
885-7096-1 MSD	EB-6-27-24	Total Recoverable	Water	200.8	7697

Prep Batch: 8087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Total/NA	Water	7470A	
885-7096-2	WMW-10	Total/NA	Water	7470A	
885-7096-3	WMW-7	Total/NA	Water	7470A	
885-7096-6	DUP-6-27-24	Total/NA	Water	7470A	
MB 885-8087/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-8087/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-8087/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 8089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-8089/9-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 8266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Total/NA	Water	7470A	8087
885-7096-2	WMW-10	Total/NA	Water	7470A	8087
885-7096-3	WMW-7	Total/NA	Water	7470A	8087
885-7096-6	DUP-6-27-24	Total/NA	Water	7470A	8087
MB 885-8087/1-A	Method Blank	Total/NA	Water	7470A	8087
LCS 885-8087/3-A	Lab Control Sample	Total/NA	Water	7470A	8087
LLCS 885-8087/2-A	Lab Control Sample	Total/NA	Water	7470A	8087
MRL 885-8089/9-A	Lab Control Sample	Total/NA	Water	7470A	8089

Prep Batch: 8531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-8531/1-A	Method Blank	Dissolved	Water	3005A	
LCS 885-8531/3-A	Lab Control Sample	Dissolved	Water	3005A	
LLCS 885-8531/2-A	Lab Control Sample	Dissolved	Water	3005A	

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Metals

Analysis Batch: 8809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-8531/1-A	Method Blank	Dissolved	Water	6020A	8531
MB 885-8809/16	Method Blank	Total/NA	Water	6020A	
MB 885-8809/19	Method Blank	Total/NA	Water	6020A	
LCS 885-8531/3-A	Lab Control Sample	Dissolved	Water	6020A	8531
LCS 885-8809/17	Lab Control Sample	Total/NA	Water	6020A	
LCS 885-8809/20	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-8809/18	Lab Control Sample Dup	Total/NA	Water	6020A	
LCSD 885-8809/21	Lab Control Sample Dup	Total/NA	Water	6020A	
LLCS 885-8531/2-A	Lab Control Sample	Dissolved	Water	6020A	8531
MRL 885-8809/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 8837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Dissolved	Water	6020A	
885-7096-2	WMW-10	Dissolved	Water	6020A	
885-7096-3	WMW-7	Dissolved	Water	6020A	
885-7096-6	DUP-6-27-24	Dissolved	Water	6020A	
MB 885-8837/15	Method Blank	Total/NA	Water	6020A	
MB 885-8837/18	Method Blank	Total/NA	Water	6020A	
LCS 885-8837/16	Lab Control Sample	Total/NA	Water	6020A	
LCS 885-8837/19	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-8837/17	Lab Control Sample Dup	Total/NA	Water	6020A	
LCSD 885-8837/20	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-8837/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 9029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Dissolved	Water	6020A	
885-7096-2	WMW-10	Dissolved	Water	6020A	
885-7096-3	WMW-7	Dissolved	Water	6020A	
885-7096-6	DUP-6-27-24	Dissolved	Water	6020A	
MB 885-9029/21	Method Blank	Total/NA	Water	6020A	
LCS 885-9029/22	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-9029/23	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-9029/15	Lab Control Sample	Total/NA	Water	6020A	

General Chemistry

Analysis Batch: 7867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Total/NA	Water	2540C	
885-7096-2	WMW-10	Total/NA	Water	2540C	
885-7096-3	WMW-7	Total/NA	Water	2540C	
885-7096-6	DUP-6-27-24	Total/NA	Water	2540C	
MB 885-7867/1	Method Blank	Total/NA	Water	2540C	
LCS 885-7867/2	Lab Control Sample	Total/NA	Water	2540C	

Analysis Batch: 8150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Total/NA	Water	SM 2320B	
885-7096-3	WMW-7	Total/NA	Water	SM 2320B	

QC Association Summary

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

General Chemistry (Continued)

Analysis Batch: 8150 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-6	DUP-6-27-24	Total/NA	Water	SM 2320B	
MB 885-8150/2	Method Blank	Total/NA	Water	SM 2320B	
MB 885-8150/25	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-8150/26	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 885-8150/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-8150/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 8154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-1	EB-6-27-24	Total/NA	Water	SM 4500 H+ B	
885-7096-2	WMW-10	Total/NA	Water	SM 4500 H+ B	
885-7096-3	WMW-7	Total/NA	Water	SM 4500 H+ B	
885-7096-6	DUP-6-27-24	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 8249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7096-2	WMW-10	Total/NA	Water	SM 2320B	
MB 885-8249/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-8249/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-8249/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: EB-6-27-24

Lab Sample ID: 885-7096-1

Date Collected: 06/27/24 08:30
Date Received: 06/28/24 08:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	8161	RA	EET ALB	07/10/24 13:01
Total/NA	Prep	3510C			7777	JM	EET ALB	07/02/24 11:28
Total/NA	Analysis	8270C		1	8220	MB	EET ALB	07/11/24 13:21
Total/NA	Analysis	300.0		1	7601	RC	EET ALB	06/28/24 17:51
Total/NA	Analysis	300.0		1	7602	RC	EET ALB	06/28/24 17:51
Total Recoverable	Prep	200.2			7697	TM	EET ALB	07/01/24 12:02
Total Recoverable	Analysis	200.8		1	8055	ES	EET ALB	07/08/24 13:31
Dissolved	Analysis	6010B		1	7818	VP	EET ALB	07/02/24 10:15
Dissolved	Analysis	6020A		20	8837	BV	EET ALB	07/19/24 18:23
Dissolved	Analysis	6020A		20	9029	BV	EET ALB	07/23/24 14:28
Total/NA	Prep	7470A			8087	TM	EET ALB	07/09/24 16:34
Total/NA	Analysis	7470A		1	8266	TM	EET ALB	07/11/24 10:28
Total/NA	Analysis	2540C		1	7867	KB	EET ALB	07/03/24 10:24
Total/NA	Analysis	SM 2320B		1	8150	DL	EET ALB	07/09/24 19:15
Total/NA	Analysis	SM 4500 H+ B		1	8154	DL	EET ALB	07/09/24 19:15

Client Sample ID: WMW-10

Lab Sample ID: 885-7096-2

Date Collected: 06/27/24 08:35
Date Received: 06/28/24 08:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		50	8074	CM	EET ALB	07/09/24 21:17
Total/NA	Analysis	8260B		5	8074	CM	EET ALB	07/09/24 21:42
Total/NA	Prep	3510C			7777	JM	EET ALB	07/02/24 11:28
Total/NA	Analysis	8270C		10	8220	MB	EET ALB	07/11/24 14:03
Total/NA	Analysis	300.0		10	7601	RC	EET ALB	06/28/24 18:51
Total/NA	Analysis	300.0		10	7602	RC	EET ALB	06/28/24 18:51
Total/NA	Analysis	300.0		100	7601	RC	EET ALB	06/28/24 19:06
Total Recoverable	Prep	200.2			7697	TM	EET ALB	07/01/24 12:02
Total Recoverable	Analysis	200.8		1	8055	ES	EET ALB	07/08/24 13:44
Dissolved	Analysis	6010B		1	7818	VP	EET ALB	07/02/24 10:21
Dissolved	Analysis	6010B		5	7818	VP	EET ALB	07/02/24 10:23
Dissolved	Analysis	6010B		50	7818	VP	EET ALB	07/02/24 10:26
Dissolved	Analysis	6020A		20	8837	BV	EET ALB	07/19/24 18:28
Dissolved	Analysis	6020A		20	9029	BV	EET ALB	07/23/24 14:32
Total/NA	Prep	7470A			8087	TM	EET ALB	07/09/24 16:34
Total/NA	Analysis	7470A		1	8266	TM	EET ALB	07/11/24 10:30
Total/NA	Analysis	2540C		1	7867	KB	EET ALB	07/03/24 10:24
Total/NA	Analysis	SM 2320B		2.5	8249	MA	EET ALB	07/10/24 17:14
Total/NA	Analysis	SM 4500 H+ B		1	8154	DL	EET ALB	07/09/24 19:24

Lab Chronicle

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: WMW-7

Lab Sample ID: 885-7096-3
Date Collected: 06/27/24 09:00
Matrix: Water
Date Received: 06/28/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	8074	CM	EET ALB	07/09/24 22:06
Total/NA	Prep	3510C			7777	JM	EET ALB	07/02/24 11:28
Total/NA	Analysis	8270C		1	8220	MB	EET ALB	07/11/24 14:45
Total/NA	Analysis	300.0		20	7601	RC	EET ALB	06/28/24 20:07
Total/NA	Analysis	300.0		1	7848	RC	EET ALB	07/02/24 14:46
Total/NA	Analysis	300.0		50	7847	RC	EET ALB	07/02/24 14:58
Total Recoverable	Prep	200.2			7697	TM	EET ALB	07/01/24 12:02
Total Recoverable	Analysis	200.8		5	8055	ES	EET ALB	07/08/24 15:10
Dissolved	Analysis	6010B		1	7818	VP	EET ALB	07/02/24 10:28
Dissolved	Analysis	6010B		50	7818	VP	EET ALB	07/02/24 10:33
Dissolved	Analysis	6020A		20	8837	BV	EET ALB	07/19/24 18:32
Dissolved	Analysis	6020A		20	9029	BV	EET ALB	07/23/24 14:37
Total/NA	Prep	7470A			8087	TM	EET ALB	07/09/24 16:34
Total/NA	Analysis	7470A		1	8266	TM	EET ALB	07/11/24 10:33
Total/NA	Analysis	2540C		1	7867	KB	EET ALB	07/03/24 10:24
Total/NA	Analysis	SM 2320B		1	8150	DL	EET ALB	07/09/24 20:02
Total/NA	Analysis	SM 4500 H+ B		1	8154	DL	EET ALB	07/09/24 20:02

Client Sample ID: WMW-11

Lab Sample ID: 885-7096-4
Date Collected: 06/27/24 09:45
Matrix: Water
Date Received: 06/28/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	8074	CM	EET ALB	07/09/24 22:30

Client Sample ID: FB-6-27-24

Lab Sample ID: 885-7096-5
Date Collected: 06/27/24 09:45
Matrix: Water
Date Received: 06/28/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	8161	RA	EET ALB	07/10/24 13:26

Client Sample ID: DUP-6-27-24

Lab Sample ID: 885-7096-6
Date Collected: 06/27/24 00:00
Matrix: Water
Date Received: 06/28/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	8074	CM	EET ALB	07/09/24 22:55
Total/NA	Prep	3510C			7777	JM	EET ALB	07/02/24 11:28
Total/NA	Analysis	8270C		1	8220	MB	EET ALB	07/11/24 15:28
Total/NA	Analysis	300.0		20	7601	RC	EET ALB	06/28/24 20:37
Total/NA	Analysis	300.0		1	7848	RC	EET ALB	07/02/24 15:10
Total/NA	Analysis	300.0		50	7847	RC	EET ALB	07/02/24 15:23

Lab Chronicle

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Client Sample ID: DUP-6-27-24

Lab Sample ID: 885-7096-6
Matrix: Water
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.2			7697	TM	EET ALB	07/01/24 12:02
Total Recoverable	Analysis	200.8		5	8055	ES	EET ALB	07/08/24 15:13
Dissolved	Analysis	6010B		50	7818	VP	EET ALB	07/02/24 10:35
Dissolved	Analysis	6010B		1	7818	VP	EET ALB	07/02/24 10:44
Dissolved	Analysis	6020A		20	8837	BV	EET ALB	07/19/24 18:37
Dissolved	Analysis	6020A		20	9029	BV	EET ALB	07/23/24 14:41
Total/NA	Prep	7470A			8087	TM	EET ALB	07/09/24 16:34
Total/NA	Analysis	7470A		1	8266	TM	EET ALB	07/11/24 10:35
Total/NA	Analysis	2540C		1	7867	KB	EET ALB	07/03/24 10:24
Total/NA	Analysis	SM 2320B		1	8150	DL	EET ALB	07/09/24 20:29
Total/NA	Analysis	SM 4500 H+ B		1	8154	DL	EET ALB	07/09/24 20:29

Client Sample ID: Trip Blank

Lab Sample ID: 885-7096-7
Matrix: Water
Date Collected: 06/27/24 00:00
Date Received: 06/28/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	8161	RA	EET ALB	07/10/24 13:50

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
200.8	200.2	Water	Uranium
2540C		Water	Total Dissolved Solids
300.0		Water	Chloride
300.0		Water	Nitrate Nitrite as N
300.0		Water	Sulfate
6010B		Water	Barium
6010B		Water	Cadmium
6010B		Water	Calcium
6010B		Water	Chromium
6010B		Water	Silver
6010B		Water	Sodium
6020A		Water	Arsenic
6020A		Water	Lead
6020A		Water	Selenium
7470A	7470A	Water	Mercury
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene
8260B		Water	1,2-Dibromo-3-Chloropropane
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone

Accreditation/Certification Summary

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)
8260B		Water	Toluene
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
8270C	3510C	Water	1,2,4-Trichlorobenzene
8270C	3510C	Water	1,2-Dichlorobenzene
8270C	3510C	Water	1,3-Dichlorobenzene
8270C	3510C	Water	1,4-Dichlorobenzene
8270C	3510C	Water	1-Methylnaphthalene
8270C	3510C	Water	2,4,5-Trichlorophenol
8270C	3510C	Water	2,4,6-Trichlorophenol
8270C	3510C	Water	2,4-Dichlorophenol
8270C	3510C	Water	2,4-Dimethylphenol
8270C	3510C	Water	2,4-Dinitrophenol
8270C	3510C	Water	2,4-Dinitrotoluene
8270C	3510C	Water	2,6-Dinitrotoluene

Accreditation/Certification Summary

Client: Trihydro Corporation
Job ID: 885-7096-1
Project/Site: Wingate 2024 Annual GW Sampling

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	2-Chloronaphthalene
8270C	3510C	Water	2-Chlorophenol
8270C	3510C	Water	2-Methylnaphthalene
8270C	3510C	Water	2-Methylphenol
8270C	3510C	Water	2-Nitroaniline
8270C	3510C	Water	2-Nitrophenol
8270C	3510C	Water	3 & 4 Methylphenol
8270C	3510C	Water	3,3'-Dichlorobenzidine
8270C	3510C	Water	3-Nitroaniline
8270C	3510C	Water	4,6-Dinitro-2-methylphenol
8270C	3510C	Water	4-Bromophenyl phenyl ether
8270C	3510C	Water	4-Chloro-3-methylphenol
8270C	3510C	Water	4-Chloroaniline
8270C	3510C	Water	4-Chlorophenyl phenyl ether
8270C	3510C	Water	4-Nitroaniline
8270C	3510C	Water	4-Nitrophenol
8270C	3510C	Water	Acenaphthene
8270C	3510C	Water	Acenaphthylene
8270C	3510C	Water	Aniline
8270C	3510C	Water	Anthracene
8270C	3510C	Water	Azobenzene
8270C	3510C	Water	Benzo[a]anthracene
8270C	3510C	Water	Benzo[a]pyrene
8270C	3510C	Water	Benzo[b]fluoranthene
8270C	3510C	Water	Benzo[g,h,i]perylene
8270C	3510C	Water	Benzo[k]fluoranthene
8270C	3510C	Water	Benzoic acid
8270C	3510C	Water	Benzyl alcohol
8270C	3510C	Water	bis (2-Chloroisopropyl) ether
8270C	3510C	Water	Bis(2-chloroethoxy)methane
8270C	3510C	Water	Bis(2-chloroethyl)ether
8270C	3510C	Water	Bis(2-ethylhexyl) phthalate
8270C	3510C	Water	Butyl benzyl phthalate
8270C	3510C	Water	Carbazole
8270C	3510C	Water	Chrysene
8270C	3510C	Water	Dibenz(a,h)anthracene
8270C	3510C	Water	Dibenzofuran
8270C	3510C	Water	Diethyl phthalate
8270C	3510C	Water	Dimethyl phthalate
8270C	3510C	Water	Di-n-butyl phthalate
8270C	3510C	Water	Di-n-octyl phthalate
8270C	3510C	Water	Fluoranthene
8270C	3510C	Water	Fluorene
8270C	3510C	Water	Hexachlorobenzene
8270C	3510C	Water	Hexachlorobutadiene
8270C	3510C	Water	Hexachlorocyclopentadiene
8270C	3510C	Water	Hexachloroethane

Accreditation/Certification Summary

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-7096-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	Indeno[1,2,3-cd]pyrene
8270C	3510C	Water	Isophorone
8270C	3510C	Water	Naphthalene
8270C	3510C	Water	Nitrobenzene
8270C	3510C	Water	N-Nitrosodimethylamine
8270C	3510C	Water	N-Nitrosodi-n-propylamine
8270C	3510C	Water	N-Nitrosodiphenylamine
8270C	3510C	Water	Pentachlorophenol
8270C	3510C	Water	Phenanthrene
8270C	3510C	Water	Phenol
8270C	3510C	Water	Pyrene
8270C	3510C	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 4500 H+ B		Water	pH

Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3

Chain-of-Custody Record

Client: Marathon Petroleum Company

Mailing Address: 92 Giant Crossing Rd.
Jamestown, NM 87347

Phone #: 970-227-4443

email or Fax#: cfields@trihydro.com

QA/QC Package:
X Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

X EDD (Type)

Turn-Around Time:
☐ Standard X Rush

Project Name:
Wingate 2024 Annual GW Sampling

Project #:
00697-080-004

Project Manager:
Caitlin Fields/~~Beth Butler~~

Sampler: Hilario/Rachael

On Ice: ☐ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 7.9+0=4.9°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107
885-7096 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	8260-VOC	8270-SVOC	6010-Dissolved Metals	7470 - Mercury	SM2320B - Alkalinity, Total as CaCO3	SM2540C - TDS	9040 - pH	300.0 Chloride, Nitrogen, Nitrite, Sulfate	200.8 Total Uranium							
6/27	8:30	water	EB-6-27-24	8	W	1	X	X	X	X	X	X	X	X	X							
6/27	8:35	water	WMW-10	8	W	2	X	X	X	X	X	X	X	X	X							
6/27	9:00	water	WMW-7	8	W	3	X	X	X	X	X	X	X	X	X							
6/27	9:45	water	WMW-11	3	W	4	X	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	Per client TM 6/28/24						
6/27	9:45	water	FB-6-27-24	2	W	5	X	X														
6/27	—	water	DUP-6-27-24	8	W	6	X	X	X	X	X	X	X	X	X							
—	—	water	Trip Blank	3	W	7	X	X														
		water																				
		water																				
		water																				
		water																				
		water																				

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6/27	11:30	Hilario Tejo	Bernadette Garcia		6/28/24	830
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Please rush samples
WMW-11 only had enough water to fill VOC's.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Trihydro Corporation

Job Number: 885-7096-1

Login Number: 7096
List Number: 1
Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Caitlin Fields
Trihydro Corporation
1252 Commerce Drive
Laramie, Wyoming 82070

Generated 7/31/2024 1:50:30 PM

JOB DESCRIPTION

Wingate 2024 Annual GW Sampling

JOB NUMBER

885-8265-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
7/31/2024 1:50:30 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Table of Contents

Definitions/Glossary

Client: Trihydro Corporation
Job ID: 885-8265-1
Project/Site: Wingate 2024 Annual GW Sampling

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

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

Case Narrative

Client: Trihydro Corporation
Project: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Job ID: 885-8265-1 Eurofins Albuquerque

Job Narrative
885-8265-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/18/2024 7:08 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

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

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

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

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

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

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-8

Date Collected: 07/16/24 09:30
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/26/24 20:18	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/26/24 20:18	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/26/24 20:18	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/26/24 20:18	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/26/24 20:18	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/26/24 20:18	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/26/24 20:18	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/26/24 20:18	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/26/24 20:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/26/24 20:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/26/24 20:18	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/26/24 20:18	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/26/24 20:18	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/26/24 20:18	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/26/24 20:18	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/26/24 20:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/26/24 20:18	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/26/24 20:18	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/26/24 20:18	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/26/24 20:18	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 20:18	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/26/24 20:18	1
2-Butanone	ND		10	2.0	ug/L			07/26/24 20:18	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 20:18	1
2-Hexanone	ND		10	1.8	ug/L			07/26/24 20:18	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 20:18	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 20:18	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/26/24 20:18	1
4-Methyl-2-pentanone	**1.5**	**J**	10	1.5	ug/L			07/26/24 20:18	1
Acetone	ND		10	2.5	ug/L			07/26/24 20:18	1
Benzene	ND		1.0	0.23	ug/L			07/26/24 20:18	1
Bromobenzene	ND		1.0	0.28	ug/L			07/26/24 20:18	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/26/24 20:18	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/26/24 20:18	1
Bromoform	ND		1.0	0.31	ug/L			07/26/24 20:18	1
Bromomethane	ND		3.0	1.0	ug/L			07/26/24 20:18	1
Carbon disulfide	ND		10	1.0	ug/L			07/26/24 20:18	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/26/24 20:18	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/26/24 20:18	1
Chloroethane	ND		2.0	0.38	ug/L			07/26/24 20:18	1
Chloroform	ND		1.0	0.25	ug/L			07/26/24 20:18	1
Chloromethane	ND		3.0	0.41	ug/L			07/26/24 20:18	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/26/24 20:18	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/26/24 20:18	1
Dibromomethane	ND		1.0	0.31	ug/L			07/26/24 20:18	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/26/24 20:18	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/26/24 20:18	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/26/24 20:18	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/26/24 20:18	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-8

Date Collected: 07/16/24 09:30
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/26/24 20:18	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/26/24 20:18	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/26/24 20:18	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/26/24 20:18	1
Naphthalene	ND		2.0	0.24	ug/L			07/26/24 20:18	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/26/24 20:18	1
Styrene	ND		1.0	0.14	ug/L			07/26/24 20:18	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/26/24 20:18	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/26/24 20:18	1
Toluene	ND		1.0	0.25	ug/L			07/26/24 20:18	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/26/24 20:18	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/26/24 20:18	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/26/24 20:18	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/26/24 20:18	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/26/24 20:18	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/26/24 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*07/26/24 20:18*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*07/26/24 20:18*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*07/26/24 20:18*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*07/26/24 20:18*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		07/22/24 07:05	07/23/24 17:10	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		07/22/24 07:05	07/23/24 17:10	1
1,3-Dichlorobenzene	ND		12	11	ug/L		07/22/24 07:05	07/23/24 17:10	1
1,4-Dichlorobenzene	ND		12	10	ug/L		07/22/24 07:05	07/23/24 17:10	1
1-Methylnaphthalene	ND		10	8.5	ug/L		07/22/24 07:05	07/23/24 17:10	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		07/22/24 07:05	07/23/24 17:10	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		07/22/24 07:05	07/23/24 17:10	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		07/22/24 07:05	07/23/24 17:10	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		07/22/24 07:05	07/23/24 17:10	1
2,4-Dinitrophenol	ND		30	27	ug/L		07/22/24 07:05	07/23/24 17:10	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		07/22/24 07:05	07/23/24 17:10	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		07/22/24 07:05	07/23/24 17:10	1
2-Chloronaphthalene	ND		10	8.7	ug/L		07/22/24 07:05	07/23/24 17:10	1
2-Chlorophenol	ND		20	11	ug/L		07/22/24 07:05	07/23/24 17:10	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		07/22/24 07:05	07/23/24 17:10	1
2-Methylphenol	ND		10	4.7	ug/L		07/22/24 07:05	07/23/24 17:10	1
2-Nitroaniline	ND		10	5.5	ug/L		07/22/24 07:05	07/23/24 17:10	1
2-Nitrophenol	ND		10	4.4	ug/L		07/22/24 07:05	07/23/24 17:10	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		07/22/24 07:05	07/23/24 17:10	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		07/22/24 07:05	07/23/24 17:10	1
3-Nitroaniline	ND		20	15	ug/L		07/22/24 07:05	07/23/24 17:10	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		07/22/24 07:05	07/23/24 17:10	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 17:10	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		07/22/24 07:05	07/23/24 17:10	1
4-Chloroaniline	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 17:10	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-8

Date Collected: 07/16/24 09:30
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-1

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 17:10	1
4-Nitroaniline	ND		5.0	4.5	ug/L		07/22/24 07:05	07/23/24 17:10	1
4-Nitrophenol	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 17:10	1
Acenaphthene	ND		10	7.7	ug/L		07/22/24 07:05	07/23/24 17:10	1
Acenaphthylene	ND		5.0	4.6	ug/L		07/22/24 07:05	07/23/24 17:10	1
Aniline	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 17:10	1
Anthracene	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 17:10	1
Azobenzene	ND		10	3.8	ug/L		07/22/24 07:05	07/23/24 17:10	1
Benzo[a]anthracene	ND		10	6.7	ug/L		07/22/24 07:05	07/23/24 17:10	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		07/22/24 07:05	07/23/24 17:10	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		07/22/24 07:05	07/23/24 17:10	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		07/22/24 07:05	07/23/24 17:10	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		07/22/24 07:05	07/23/24 17:10	1
Benzoic acid	ND		20	15	ug/L		07/22/24 07:05	07/23/24 17:10	1
Benzyl alcohol	ND		5.0	4.8	ug/L		07/22/24 07:05	07/23/24 17:10	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		07/22/24 07:05	07/23/24 17:10	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		07/22/24 07:05	07/23/24 17:10	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		07/22/24 07:05	07/23/24 17:10	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		07/22/24 07:05	07/23/24 17:10	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		07/22/24 07:05	07/23/24 17:10	1
Carbazole	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 17:10	1
Chrysene	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 17:10	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 17:10	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		07/22/24 07:05	07/23/24 17:10	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		07/22/24 07:05	07/23/24 17:10	1
Dibenzofuran	ND		10	4.9	ug/L		07/22/24 07:05	07/23/24 17:10	1
Diethyl phthalate	ND		10	5.6	ug/L		07/22/24 07:05	07/23/24 17:10	1
Dimethyl phthalate	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 17:10	1
Fluoranthene	ND		10	5.5	ug/L		07/22/24 07:05	07/23/24 17:10	1
Fluorene	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 17:10	1
Hexachlorobenzene	ND		20	4.6	ug/L		07/22/24 07:05	07/23/24 17:10	1
Hexachlorobutadiene	ND		20	11	ug/L		07/22/24 07:05	07/23/24 17:10	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		07/22/24 07:05	07/23/24 17:10	1
Hexachloroethane	ND		20	11	ug/L		07/22/24 07:05	07/23/24 17:10	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 17:10	1
Isophorone	ND		5.0	4.3	ug/L		07/22/24 07:05	07/23/24 17:10	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		07/22/24 07:05	07/23/24 17:10	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		07/22/24 07:05	07/23/24 17:10	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		07/22/24 07:05	07/23/24 17:10	1
Naphthalene	ND		5.0	3.3	ug/L		07/22/24 07:05	07/23/24 17:10	1
Nitrobenzene	ND		5.0	3.6	ug/L		07/22/24 07:05	07/23/24 17:10	1
Pentachlorophenol	ND		20	15	ug/L		07/22/24 07:05	07/23/24 17:10	1
Phenanthrene	ND		5.0	4.8	ug/L		07/22/24 07:05	07/23/24 17:10	1
Phenol	ND		10	3.9	ug/L		07/22/24 07:05	07/23/24 17:10	1
Pyrene	ND		10	5.2	ug/L		07/22/24 07:05	07/23/24 17:10	1
Pyridine	ND		20	2.6	ug/L		07/22/24 07:05	07/23/24 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*35*		*15 - 130*	*07/22/24 07:05*	*07/23/24 17:10*	*1*
2-Fluorophenol (Surr)	*45*		*15 - 130*	*07/22/24 07:05*	*07/23/24 17:10*	*1*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-8

Date Collected: 07/16/24 09:30
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-1

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*15 - 130*	*07/22/24 07:05*	*07/23/24 17:10*	*1*
Nitrobenzene-d5 (Surr)	*51*		*29 - 130*	*07/22/24 07:05*	*07/23/24 17:10*	*1*
2-Fluorobiphenyl (Surr)	*48*		*20 - 130*	*07/22/24 07:05*	*07/23/24 17:10*	*1*
p-Terphenyl-d14 (Surr)	*74*		*41 - 130*	*07/22/24 07:05*	*07/23/24 17:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30**		5.0	2.5	mg/L			07/19/24 00:16	10
Sulfate	**150**		5.0	2.5	mg/L			07/19/24 00:16	10
Nitrate Nitrite as N	ND		1.0	0.11	mg/L			07/19/24 07:16	5

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.014**		0.00050	0.000076	mg/L		07/22/24 11:01	07/23/24 08:44	1

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.12**		0.020	0.00074	mg/L			07/22/24 08:53	1
Cadmium	ND		0.0020	0.00083	mg/L			07/22/24 08:53	1
Chromium	ND		0.0060	0.0015	mg/L			07/22/24 08:53	1
Silver	ND		0.0050	0.0012	mg/L			07/22/24 08:53	1
Calcium	**30**		1.0	0.089	mg/L			07/22/24 08:53	1
Sodium	**250**		5.0	1.5	mg/L			07/22/24 08:56	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0050	mg/L			07/25/24 14:48	10
Lead	ND		0.010	0.0050	mg/L			07/25/24 14:48	10
Selenium	ND		0.010	0.0080	mg/L			07/25/24 14:48	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/22/24 17:20	07/24/24 10:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**800**		50	25	mg/L			07/22/24 09:06	1
Total Alkalinity as CaCO3 (SM 2320B)	**510**		20	20	mg/L			07/19/24 13:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**510**		20	20	mg/L			07/19/24 13:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			07/19/24 13:53	1
pH (SM 4500 H+ B)	**8.0**	**HF**	0.1	0.1	SU			07/19/24 13:53	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-3

Date Collected: 07/16/24 10:00
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/26/24 21:31	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/26/24 21:31	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/26/24 21:31	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/26/24 21:31	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/26/24 21:31	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/26/24 21:31	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/26/24 21:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/26/24 21:31	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/26/24 21:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/26/24 21:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/26/24 21:31	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/26/24 21:31	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/26/24 21:31	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/26/24 21:31	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/26/24 21:31	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/26/24 21:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/26/24 21:31	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/26/24 21:31	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/26/24 21:31	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/26/24 21:31	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 21:31	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/26/24 21:31	1
2-Butanone	ND		10	2.0	ug/L			07/26/24 21:31	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 21:31	1
2-Hexanone	ND		10	1.8	ug/L			07/26/24 21:31	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 21:31	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 21:31	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/26/24 21:31	1
4-Methyl-2-pentanone	**1.5**	**J**	10	1.5	ug/L			07/26/24 21:31	1
Acetone	ND		10	2.5	ug/L			07/26/24 21:31	1
Benzene	ND		1.0	0.23	ug/L			07/26/24 21:31	1
Bromobenzene	ND		1.0	0.28	ug/L			07/26/24 21:31	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/26/24 21:31	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/26/24 21:31	1
Bromoform	ND		1.0	0.31	ug/L			07/26/24 21:31	1
Bromomethane	ND		3.0	1.0	ug/L			07/26/24 21:31	1
Carbon disulfide	ND		10	1.0	ug/L			07/26/24 21:31	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/26/24 21:31	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/26/24 21:31	1
Chloroethane	ND		2.0	0.38	ug/L			07/26/24 21:31	1
Chloroform	ND		1.0	0.25	ug/L			07/26/24 21:31	1
Chloromethane	ND		3.0	0.41	ug/L			07/26/24 21:31	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/26/24 21:31	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/26/24 21:31	1
Dibromomethane	ND		1.0	0.31	ug/L			07/26/24 21:31	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/26/24 21:31	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/26/24 21:31	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/26/24 21:31	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/26/24 21:31	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-3

Date Collected: 07/16/24 10:00
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/26/24 21:31	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/26/24 21:31	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/26/24 21:31	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/26/24 21:31	1
Naphthalene	ND		2.0	0.24	ug/L			07/26/24 21:31	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/26/24 21:31	1
Styrene	ND		1.0	0.14	ug/L			07/26/24 21:31	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/26/24 21:31	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/26/24 21:31	1
Toluene	ND		1.0	0.25	ug/L			07/26/24 21:31	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/26/24 21:31	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/26/24 21:31	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/26/24 21:31	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/26/24 21:31	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/26/24 21:31	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/26/24 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*07/26/24 21:31*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*07/26/24 21:31*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*07/26/24 21:31*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*07/26/24 21:31*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		19	16	ug/L		07/22/24 07:05	07/23/24 17:53	1
1,2-Dichlorobenzene	ND		19	19	ug/L		07/22/24 07:05	07/23/24 17:53	1
1,3-Dichlorobenzene	ND		23	22	ug/L		07/22/24 07:05	07/23/24 17:53	1
1,4-Dichlorobenzene	ND		23	19	ug/L		07/22/24 07:05	07/23/24 17:53	1
1-Methylnaphthalene	ND		19	16	ug/L		07/22/24 07:05	07/23/24 17:53	1
2,4,5-Trichlorophenol	ND		19	9.9	ug/L		07/22/24 07:05	07/23/24 17:53	1
2,4,6-Trichlorophenol	ND		19	8.3	ug/L		07/22/24 07:05	07/23/24 17:53	1
2,4-Dichlorophenol	ND		9.6	7.2	ug/L		07/22/24 07:05	07/23/24 17:53	1
2,4-Dimethylphenol	ND		19	9.2	ug/L		07/22/24 07:05	07/23/24 17:53	1
2,4-Dinitrophenol	ND		58	52	ug/L		07/22/24 07:05	07/23/24 17:53	1
2,4-Dinitrotoluene	ND		9.6	9.6	ug/L		07/22/24 07:05	07/23/24 17:53	1
2,6-Dinitrotoluene	ND		19	15	ug/L		07/22/24 07:05	07/23/24 17:53	1
2-Chloronaphthalene	ND		19	17	ug/L		07/22/24 07:05	07/23/24 17:53	1
2-Chlorophenol	ND		38	20	ug/L		07/22/24 07:05	07/23/24 17:53	1
2-Methylnaphthalene	ND		9.6	5.4	ug/L		07/22/24 07:05	07/23/24 17:53	1
2-Methylphenol	ND		19	9.0	ug/L		07/22/24 07:05	07/23/24 17:53	1
2-Nitroaniline	ND		19	11	ug/L		07/22/24 07:05	07/23/24 17:53	1
2-Nitrophenol	ND		19	8.4	ug/L		07/22/24 07:05	07/23/24 17:53	1
3 & 4 Methylphenol	ND		19	9.4	ug/L		07/22/24 07:05	07/23/24 17:53	1
3,3'-Dichlorobenzidine	ND		19	12	ug/L		07/22/24 07:05	07/23/24 17:53	1
3-Nitroaniline	ND		38	29	ug/L		07/22/24 07:05	07/23/24 17:53	1
4,6-Dinitro-2-methylphenol	ND		38	36	ug/L		07/22/24 07:05	07/23/24 17:53	1
4-Bromophenyl phenyl ether	ND		9.6	7.5	ug/L		07/22/24 07:05	07/23/24 17:53	1
4-Chloro-3-methylphenol	ND		9.6	8.8	ug/L		07/22/24 07:05	07/23/24 17:53	1
4-Chloroaniline	ND		9.6	8.9	ug/L		07/22/24 07:05	07/23/24 17:53	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-3

Date Collected: 07/16/24 10:00
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-2

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		9.6	7.4	ug/L		07/22/24 07:05	07/23/24 17:53	1
4-Nitroaniline	ND		9.6	8.7	ug/L		07/22/24 07:05	07/23/24 17:53	1
4-Nitrophenol	ND		19	10	ug/L		07/22/24 07:05	07/23/24 17:53	1
Acenaphthene	ND		19	15	ug/L		07/22/24 07:05	07/23/24 17:53	1
Acenaphthylene	ND		9.6	8.9	ug/L		07/22/24 07:05	07/23/24 17:53	1
Aniline	ND		19	10	ug/L		07/22/24 07:05	07/23/24 17:53	1
Anthracene	ND		9.6	7.4	ug/L		07/22/24 07:05	07/23/24 17:53	1
Azobenzene	ND		19	7.2	ug/L		07/22/24 07:05	07/23/24 17:53	1
Benzo[a]anthracene	ND		19	13	ug/L		07/22/24 07:05	07/23/24 17:53	1
Benzo[a]pyrene	ND		9.6	9.5	ug/L		07/22/24 07:05	07/23/24 17:53	1
Benzo[b]fluoranthene	ND		19	11	ug/L		07/22/24 07:05	07/23/24 17:53	1
Benzo[g,h,i]perylene	ND		9.6	9.4	ug/L		07/22/24 07:05	07/23/24 17:53	1
Benzo[k]fluoranthene	ND		19	9.0	ug/L		07/22/24 07:05	07/23/24 17:53	1
Benzoic acid	ND		38	29	ug/L		07/22/24 07:05	07/23/24 17:53	1
Benzyl alcohol	ND		9.6	9.3	ug/L		07/22/24 07:05	07/23/24 17:53	1
Bis(2-ethylhexyl) phthalate	ND		19	19	ug/L		07/22/24 07:05	07/23/24 17:53	1
bis (2-Chloroisopropyl) ether	ND		9.6	7.0	ug/L		07/22/24 07:05	07/23/24 17:53	1
Bis(2-chloroethoxy)methane	ND		19	8.3	ug/L		07/22/24 07:05	07/23/24 17:53	1
Bis(2-chloroethyl)ether	ND		19	9.7	ug/L		07/22/24 07:05	07/23/24 17:53	1
Butyl benzyl phthalate	ND		19	12	ug/L		07/22/24 07:05	07/23/24 17:53	1
Carbazole	ND		19	10	ug/L		07/22/24 07:05	07/23/24 17:53	1
Chrysene	ND		9.6	9.1	ug/L		07/22/24 07:05	07/23/24 17:53	1
Di-n-butyl phthalate	ND		19	10	ug/L		07/22/24 07:05	07/23/24 17:53	1
Di-n-octyl phthalate	ND		19	15	ug/L		07/22/24 07:05	07/23/24 17:53	1
Dibenz(a,h)anthracene	ND		19	13	ug/L		07/22/24 07:05	07/23/24 17:53	1
Dibenzofuran	ND		19	9.3	ug/L		07/22/24 07:05	07/23/24 17:53	1
Diethyl phthalate	ND		19	11	ug/L		07/22/24 07:05	07/23/24 17:53	1
Dimethyl phthalate	ND		19	10	ug/L		07/22/24 07:05	07/23/24 17:53	1
Fluoranthene	ND		19	11	ug/L		07/22/24 07:05	07/23/24 17:53	1
Fluorene	ND		9.6	9.1	ug/L		07/22/24 07:05	07/23/24 17:53	1
Hexachlorobenzene	ND		38	8.9	ug/L		07/22/24 07:05	07/23/24 17:53	1
Hexachlorobutadiene	ND		38	22	ug/L		07/22/24 07:05	07/23/24 17:53	1
Hexachlorocyclopentadiene	ND		38	17	ug/L		07/22/24 07:05	07/23/24 17:53	1
Hexachloroethane	ND		38	21	ug/L		07/22/24 07:05	07/23/24 17:53	1
Indeno[1,2,3-cd]pyrene	ND		19	10	ug/L		07/22/24 07:05	07/23/24 17:53	1
Isophorone	ND		9.6	8.4	ug/L		07/22/24 07:05	07/23/24 17:53	1
N-Nitrosodi-n-propylamine	ND		9.6	7.2	ug/L		07/22/24 07:05	07/23/24 17:53	1
N-Nitrosodimethylamine	ND		9.6	6.0	ug/L		07/22/24 07:05	07/23/24 17:53	1
N-Nitrosodiphenylamine	ND		19	10	ug/L		07/22/24 07:05	07/23/24 17:53	1
Naphthalene	ND		9.6	6.3	ug/L		07/22/24 07:05	07/23/24 17:53	1
Nitrobenzene	ND		9.6	6.9	ug/L		07/22/24 07:05	07/23/24 17:53	1
Pentachlorophenol	ND		38	29	ug/L		07/22/24 07:05	07/23/24 17:53	1
Phenanthrene	ND		9.6	9.3	ug/L		07/22/24 07:05	07/23/24 17:53	1
Phenol	ND		19	7.5	ug/L		07/22/24 07:05	07/23/24 17:53	1
Pyrene	ND		19	10	ug/L		07/22/24 07:05	07/23/24 17:53	1
Pyridine	ND		38	5.0	ug/L		07/22/24 07:05	07/23/24 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*28*		*15 - 130*	*07/22/24 07:05*	*07/23/24 17:53*	*1*
2-Fluorophenol (Surr)	*36*		*15 - 130*	*07/22/24 07:05*	*07/23/24 17:53*	*1*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-3

Date Collected: 07/16/24 10:00
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-2

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	63		15 - 130	07/22/24 07:05	07/23/24 17:53	1
Nitrobenzene-d5 (Surr)	56		29 - 130	07/22/24 07:05	07/23/24 17:53	1
2-Fluorobiphenyl (Surr)	50		20 - 130	07/22/24 07:05	07/23/24 17:53	1
p-Terphenyl-d14 (Surr)	69		41 - 130	07/22/24 07:05	07/23/24 17:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1300**		50	25	mg/L			07/19/24 01:18	100
Sulfate	**2100**		50	25	mg/L			07/19/24 01:18	100
Nitrate Nitrite as N	ND		1.0	0.11	mg/L			07/19/24 07:28	5

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.067**		0.0025	0.00038	mg/L		07/22/24 11:01	07/23/24 08:47	5

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.013**	**J**	0.10	0.0037	mg/L			07/22/24 09:00	5
Cadmium	ND		0.010	0.0042	mg/L			07/22/24 09:00	5
Chromium	ND		0.0060	0.0015	mg/L			07/22/24 09:12	1
Silver	**0.0027**	**J**	0.0050	0.0012	mg/L			07/22/24 09:12	1
Calcium	**150**		5.0	0.45	mg/L			07/22/24 09:00	5
Sodium	**1800**		20	5.9	mg/L			07/22/24 09:24	20

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0050	mg/L			07/25/24 14:53	10
Lead	ND		0.010	0.0050	mg/L			07/25/24 14:53	10
Selenium	ND		0.010	0.0080	mg/L			07/25/24 14:53	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/22/24 17:20	07/24/24 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**6400**		500	250	mg/L			07/22/24 09:06	1
Total Alkalinity as CaCO3 (SM 2320B)	**1100**		20	20	mg/L			07/19/24 14:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**1100**		20	20	mg/L			07/19/24 14:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			07/19/24 14:13	1
pH (SM 4500 H+ B)	**7.7**	**HF**	0.1	0.1	SU			07/19/24 14:13	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-6

Date Collected: 07/16/24 11:15
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/26/24 21:55	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/26/24 21:55	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/26/24 21:55	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/26/24 21:55	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/26/24 21:55	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/26/24 21:55	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/26/24 21:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/26/24 21:55	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/26/24 21:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/26/24 21:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/26/24 21:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/26/24 21:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/26/24 21:55	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/26/24 21:55	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/26/24 21:55	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/26/24 21:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/26/24 21:55	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/26/24 21:55	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/26/24 21:55	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/26/24 21:55	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 21:55	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/26/24 21:55	1
2-Butanone	ND		10	2.0	ug/L			07/26/24 21:55	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 21:55	1
2-Hexanone	ND		10	1.8	ug/L			07/26/24 21:55	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 21:55	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 21:55	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/26/24 21:55	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/26/24 21:55	1
Acetone	ND		10	2.5	ug/L			07/26/24 21:55	1
Benzene	ND		1.0	0.23	ug/L			07/26/24 21:55	1
Bromobenzene	ND		1.0	0.28	ug/L			07/26/24 21:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/26/24 21:55	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/26/24 21:55	1
Bromoform	ND		1.0	0.31	ug/L			07/26/24 21:55	1
Bromomethane	ND		3.0	1.0	ug/L			07/26/24 21:55	1
Carbon disulfide	ND		10	1.0	ug/L			07/26/24 21:55	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/26/24 21:55	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/26/24 21:55	1
Chloroethane	ND		2.0	0.38	ug/L			07/26/24 21:55	1
Chloroform	ND		1.0	0.25	ug/L			07/26/24 21:55	1
Chloromethane	ND		3.0	0.41	ug/L			07/26/24 21:55	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/26/24 21:55	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/26/24 21:55	1
Dibromomethane	ND		1.0	0.31	ug/L			07/26/24 21:55	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/26/24 21:55	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/26/24 21:55	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/26/24 21:55	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/26/24 21:55	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-6

Date Collected: 07/16/24 11:15
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/26/24 21:55	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/26/24 21:55	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/26/24 21:55	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/26/24 21:55	1
Naphthalene	ND		2.0	0.24	ug/L			07/26/24 21:55	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/26/24 21:55	1
Styrene	ND		1.0	0.14	ug/L			07/26/24 21:55	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/26/24 21:55	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/26/24 21:55	1
Toluene	ND		1.0	0.25	ug/L			07/26/24 21:55	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/26/24 21:55	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/26/24 21:55	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/26/24 21:55	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/26/24 21:55	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/26/24 21:55	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/26/24 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*07/26/24 21:55*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*07/26/24 21:55*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*07/26/24 21:55*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*07/26/24 21:55*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		07/22/24 07:05	07/23/24 18:37	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		07/22/24 07:05	07/23/24 18:37	1
1,3-Dichlorobenzene	ND		12	11	ug/L		07/22/24 07:05	07/23/24 18:37	1
1,4-Dichlorobenzene	ND		12	10	ug/L		07/22/24 07:05	07/23/24 18:37	1
1-Methylnaphthalene	ND		10	8.5	ug/L		07/22/24 07:05	07/23/24 18:37	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		07/22/24 07:05	07/23/24 18:37	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		07/22/24 07:05	07/23/24 18:37	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		07/22/24 07:05	07/23/24 18:37	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		07/22/24 07:05	07/23/24 18:37	1
2,4-Dinitrophenol	ND		30	27	ug/L		07/22/24 07:05	07/23/24 18:37	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		07/22/24 07:05	07/23/24 18:37	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		07/22/24 07:05	07/23/24 18:37	1
2-Chloronaphthalene	ND		10	8.7	ug/L		07/22/24 07:05	07/23/24 18:37	1
2-Chlorophenol	ND		20	11	ug/L		07/22/24 07:05	07/23/24 18:37	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		07/22/24 07:05	07/23/24 18:37	1
2-Methylphenol	ND		10	4.7	ug/L		07/22/24 07:05	07/23/24 18:37	1
2-Nitroaniline	ND		10	5.5	ug/L		07/22/24 07:05	07/23/24 18:37	1
2-Nitrophenol	ND		10	4.4	ug/L		07/22/24 07:05	07/23/24 18:37	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		07/22/24 07:05	07/23/24 18:37	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		07/22/24 07:05	07/23/24 18:37	1
3-Nitroaniline	ND		20	15	ug/L		07/22/24 07:05	07/23/24 18:37	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		07/22/24 07:05	07/23/24 18:37	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 18:37	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		07/22/24 07:05	07/23/24 18:37	1
4-Chloroaniline	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 18:37	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-6

Date Collected: 07/16/24 11:15
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-3

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 18:37	1
4-Nitroaniline	ND		5.0	4.5	ug/L		07/22/24 07:05	07/23/24 18:37	1
4-Nitrophenol	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 18:37	1
Acenaphthene	ND		10	7.7	ug/L		07/22/24 07:05	07/23/24 18:37	1
Acenaphthylene	ND		5.0	4.6	ug/L		07/22/24 07:05	07/23/24 18:37	1
Aniline	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 18:37	1
Anthracene	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 18:37	1
Azobenzene	ND		10	3.8	ug/L		07/22/24 07:05	07/23/24 18:37	1
Benzo[a]anthracene	ND		10	6.7	ug/L		07/22/24 07:05	07/23/24 18:37	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		07/22/24 07:05	07/23/24 18:37	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		07/22/24 07:05	07/23/24 18:37	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		07/22/24 07:05	07/23/24 18:37	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		07/22/24 07:05	07/23/24 18:37	1
Benzoic acid	ND		20	15	ug/L		07/22/24 07:05	07/23/24 18:37	1
Benzyl alcohol	ND		5.0	4.8	ug/L		07/22/24 07:05	07/23/24 18:37	1
Bis(2-ethylhexyl) phthalate	**11**		10	9.8	ug/L		07/22/24 07:05	07/23/24 18:37	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		07/22/24 07:05	07/23/24 18:37	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		07/22/24 07:05	07/23/24 18:37	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		07/22/24 07:05	07/23/24 18:37	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		07/22/24 07:05	07/23/24 18:37	1
Carbazole	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 18:37	1
Chrysene	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 18:37	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 18:37	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		07/22/24 07:05	07/23/24 18:37	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		07/22/24 07:05	07/23/24 18:37	1
Dibenzofuran	ND		10	4.9	ug/L		07/22/24 07:05	07/23/24 18:37	1
Diethyl phthalate	ND		10	5.6	ug/L		07/22/24 07:05	07/23/24 18:37	1
Dimethyl phthalate	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 18:37	1
Fluoranthene	ND		10	5.5	ug/L		07/22/24 07:05	07/23/24 18:37	1
Fluorene	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 18:37	1
Hexachlorobenzene	ND		20	4.6	ug/L		07/22/24 07:05	07/23/24 18:37	1
Hexachlorobutadiene	ND		20	11	ug/L		07/22/24 07:05	07/23/24 18:37	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		07/22/24 07:05	07/23/24 18:37	1
Hexachloroethane	ND		20	11	ug/L		07/22/24 07:05	07/23/24 18:37	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 18:37	1
Isophorone	ND		5.0	4.3	ug/L		07/22/24 07:05	07/23/24 18:37	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		07/22/24 07:05	07/23/24 18:37	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		07/22/24 07:05	07/23/24 18:37	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		07/22/24 07:05	07/23/24 18:37	1
Naphthalene	ND		5.0	3.3	ug/L		07/22/24 07:05	07/23/24 18:37	1
Nitrobenzene	ND		5.0	3.6	ug/L		07/22/24 07:05	07/23/24 18:37	1
Pentachlorophenol	ND		20	15	ug/L		07/22/24 07:05	07/23/24 18:37	1
Phenanthrene	ND		5.0	4.8	ug/L		07/22/24 07:05	07/23/24 18:37	1
Phenol	ND		10	3.9	ug/L		07/22/24 07:05	07/23/24 18:37	1
Pyrene	ND		10	5.2	ug/L		07/22/24 07:05	07/23/24 18:37	1
Pyridine	ND		20	2.6	ug/L		07/22/24 07:05	07/23/24 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*24*		*15 - 130*	*07/22/24 07:05*	*07/23/24 18:37*	*1*
2-Fluorophenol (Surr)	*31*		*15 - 130*	*07/22/24 07:05*	*07/23/24 18:37*	*1*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-6

Date Collected: 07/16/24 11:15
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-3

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*47*		*15 - 130*	*07/22/24 07:05*	*07/23/24 18:37*	*1*
Nitrobenzene-d5 (Surr)	*35*		*29 - 130*	*07/22/24 07:05*	*07/23/24 18:37*	*1*
2-Fluorobiphenyl (Surr)	*33*		*20 - 130*	*07/22/24 07:05*	*07/23/24 18:37*	*1*
p-Terphenyl-d14 (Surr)	*59*		*41 - 130*	*07/22/24 07:05*	*07/23/24 18:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62**		5.0	2.5	mg/L			07/19/24 01:55	10
Sulfate	**270**		5.0	2.5	mg/L			07/19/24 01:55	10
Nitrate Nitrite as N	ND		1.0	0.11	mg/L			07/19/24 07:41	5

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.0093**		0.00050	0.000076	mg/L		07/22/24 11:01	07/23/24 08:49	1

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.033**		0.020	0.00074	mg/L			07/22/24 09:15	1
Cadmium	ND		0.010	0.0042	mg/L			07/22/24 09:17	5
Chromium	ND		0.0060	0.0015	mg/L			07/22/24 09:15	1
Silver	ND		0.0050	0.0012	mg/L			07/22/24 09:15	1
Calcium	**33**		1.0	0.089	mg/L			07/22/24 09:15	1
Sodium	**280**		5.0	1.5	mg/L			07/22/24 09:17	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0050	mg/L			07/25/24 14:58	10
Lead	ND		0.010	0.0050	mg/L			07/25/24 14:58	10
Selenium	ND		0.010	0.0080	mg/L			07/25/24 14:58	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/22/24 17:20	07/24/24 10:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**990**		50	25	mg/L			07/22/24 09:06	1
Total Alkalinity as CaCO3 (SM 2320B)	**460**		20	20	mg/L			07/19/24 14:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**460**		20	20	mg/L			07/19/24 14:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			07/19/24 14:52	1
pH (SM 4500 H+ B)	**8.0**	**HF**	0.1	0.1	SU			07/19/24 14:52	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: DUP-7-16-2024

Date Collected: 07/16/24 00:00
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/26/24 22:19	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/26/24 22:19	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/26/24 22:19	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/26/24 22:19	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/26/24 22:19	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/26/24 22:19	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/26/24 22:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/26/24 22:19	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/26/24 22:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/26/24 22:19	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/26/24 22:19	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/26/24 22:19	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/26/24 22:19	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/26/24 22:19	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/26/24 22:19	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/26/24 22:19	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/26/24 22:19	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/26/24 22:19	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/26/24 22:19	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/26/24 22:19	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 22:19	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/26/24 22:19	1
2-Butanone	ND		10	2.0	ug/L			07/26/24 22:19	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 22:19	1
2-Hexanone	ND		10	1.8	ug/L			07/26/24 22:19	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 22:19	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 22:19	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/26/24 22:19	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/26/24 22:19	1
Acetone	ND		10	2.5	ug/L			07/26/24 22:19	1
Benzene	ND		1.0	0.23	ug/L			07/26/24 22:19	1
Bromobenzene	ND		1.0	0.28	ug/L			07/26/24 22:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/26/24 22:19	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/26/24 22:19	1
Bromoform	ND		1.0	0.31	ug/L			07/26/24 22:19	1
Bromomethane	ND		3.0	1.0	ug/L			07/26/24 22:19	1
Carbon disulfide	ND		10	1.0	ug/L			07/26/24 22:19	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/26/24 22:19	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/26/24 22:19	1
Chloroethane	ND		2.0	0.38	ug/L			07/26/24 22:19	1
Chloroform	ND		1.0	0.25	ug/L			07/26/24 22:19	1
Chloromethane	ND		3.0	0.41	ug/L			07/26/24 22:19	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/26/24 22:19	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/26/24 22:19	1
Dibromomethane	ND		1.0	0.31	ug/L			07/26/24 22:19	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/26/24 22:19	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/26/24 22:19	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/26/24 22:19	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/26/24 22:19	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: DUP-7-16-2024

Date Collected: 07/16/24 00:00
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/26/24 22:19	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/26/24 22:19	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/26/24 22:19	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/26/24 22:19	1
Naphthalene	ND		2.0	0.24	ug/L			07/26/24 22:19	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/26/24 22:19	1
Styrene	ND		1.0	0.14	ug/L			07/26/24 22:19	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/26/24 22:19	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/26/24 22:19	1
Toluene	ND		1.0	0.25	ug/L			07/26/24 22:19	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/26/24 22:19	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/26/24 22:19	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/26/24 22:19	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/26/24 22:19	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/26/24 22:19	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/26/24 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*07/26/24 22:19*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*07/26/24 22:19*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*07/26/24 22:19*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*07/26/24 22:19*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		07/22/24 07:05	07/23/24 19:21	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		07/22/24 07:05	07/23/24 19:21	1
1,3-Dichlorobenzene	ND		12	11	ug/L		07/22/24 07:05	07/23/24 19:21	1
1,4-Dichlorobenzene	ND		12	10	ug/L		07/22/24 07:05	07/23/24 19:21	1
1-Methylnaphthalene	ND		10	8.5	ug/L		07/22/24 07:05	07/23/24 19:21	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		07/22/24 07:05	07/23/24 19:21	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		07/22/24 07:05	07/23/24 19:21	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		07/22/24 07:05	07/23/24 19:21	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		07/22/24 07:05	07/23/24 19:21	1
2,4-Dinitrophenol	ND		30	27	ug/L		07/22/24 07:05	07/23/24 19:21	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		07/22/24 07:05	07/23/24 19:21	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		07/22/24 07:05	07/23/24 19:21	1
2-Chloronaphthalene	ND		10	8.7	ug/L		07/22/24 07:05	07/23/24 19:21	1
2-Chlorophenol	ND		20	11	ug/L		07/22/24 07:05	07/23/24 19:21	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		07/22/24 07:05	07/23/24 19:21	1
2-Methylphenol	ND		10	4.7	ug/L		07/22/24 07:05	07/23/24 19:21	1
2-Nitroaniline	ND		10	5.5	ug/L		07/22/24 07:05	07/23/24 19:21	1
2-Nitrophenol	ND		10	4.4	ug/L		07/22/24 07:05	07/23/24 19:21	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		07/22/24 07:05	07/23/24 19:21	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		07/22/24 07:05	07/23/24 19:21	1
3-Nitroaniline	ND		20	15	ug/L		07/22/24 07:05	07/23/24 19:21	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		07/22/24 07:05	07/23/24 19:21	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 19:21	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		07/22/24 07:05	07/23/24 19:21	1
4-Chloroaniline	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 19:21	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: DUP-7-16-2024

Date Collected: 07/16/24 00:00
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-4

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 19:21	1
4-Nitroaniline	ND		5.0	4.5	ug/L		07/22/24 07:05	07/23/24 19:21	1
4-Nitrophenol	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 19:21	1
Acenaphthene	ND		10	7.7	ug/L		07/22/24 07:05	07/23/24 19:21	1
Acenaphthylene	ND		5.0	4.6	ug/L		07/22/24 07:05	07/23/24 19:21	1
Aniline	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 19:21	1
Anthracene	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 19:21	1
Azobenzene	ND		10	3.8	ug/L		07/22/24 07:05	07/23/24 19:21	1
Benzo[a]anthracene	ND		10	6.7	ug/L		07/22/24 07:05	07/23/24 19:21	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		07/22/24 07:05	07/23/24 19:21	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		07/22/24 07:05	07/23/24 19:21	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		07/22/24 07:05	07/23/24 19:21	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		07/22/24 07:05	07/23/24 19:21	1
Benzoic acid	ND		20	15	ug/L		07/22/24 07:05	07/23/24 19:21	1
Benzyl alcohol	ND		5.0	4.8	ug/L		07/22/24 07:05	07/23/24 19:21	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		07/22/24 07:05	07/23/24 19:21	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		07/22/24 07:05	07/23/24 19:21	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		07/22/24 07:05	07/23/24 19:21	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		07/22/24 07:05	07/23/24 19:21	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		07/22/24 07:05	07/23/24 19:21	1
Carbazole	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 19:21	1
Chrysene	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 19:21	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 19:21	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		07/22/24 07:05	07/23/24 19:21	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		07/22/24 07:05	07/23/24 19:21	1
Dibenzofuran	ND		10	4.9	ug/L		07/22/24 07:05	07/23/24 19:21	1
Diethyl phthalate	ND		10	5.6	ug/L		07/22/24 07:05	07/23/24 19:21	1
Dimethyl phthalate	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 19:21	1
Fluoranthene	ND		10	5.5	ug/L		07/22/24 07:05	07/23/24 19:21	1
Fluorene	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 19:21	1
Hexachlorobenzene	ND		20	4.6	ug/L		07/22/24 07:05	07/23/24 19:21	1
Hexachlorobutadiene	ND		20	11	ug/L		07/22/24 07:05	07/23/24 19:21	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		07/22/24 07:05	07/23/24 19:21	1
Hexachloroethane	ND		20	11	ug/L		07/22/24 07:05	07/23/24 19:21	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 19:21	1
Isophorone	ND		5.0	4.3	ug/L		07/22/24 07:05	07/23/24 19:21	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		07/22/24 07:05	07/23/24 19:21	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		07/22/24 07:05	07/23/24 19:21	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		07/22/24 07:05	07/23/24 19:21	1
Naphthalene	ND		5.0	3.3	ug/L		07/22/24 07:05	07/23/24 19:21	1
Nitrobenzene	ND		5.0	3.6	ug/L		07/22/24 07:05	07/23/24 19:21	1
Pentachlorophenol	ND		20	15	ug/L		07/22/24 07:05	07/23/24 19:21	1
Phenanthrene	ND		5.0	4.8	ug/L		07/22/24 07:05	07/23/24 19:21	1
Phenol	ND		10	3.9	ug/L		07/22/24 07:05	07/23/24 19:21	1
Pyrene	ND		10	5.2	ug/L		07/22/24 07:05	07/23/24 19:21	1
Pyridine	ND		20	2.6	ug/L		07/22/24 07:05	07/23/24 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*43*		*15 - 130*	*07/22/24 07:05*	*07/23/24 19:21*	*1*
2-Fluorophenol (Surr)	*53*		*15 - 130*	*07/22/24 07:05*	*07/23/24 19:21*	*1*

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: DUP-7-16-2024

Date Collected: 07/16/24 00:00
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-4

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*15 - 130*	*07/22/24 07:05*	*07/23/24 19:21*	*1*
Nitrobenzene-d5 (Surr)	*63*		*29 - 130*	*07/22/24 07:05*	*07/23/24 19:21*	*1*
2-Fluorobiphenyl (Surr)	*58*		*20 - 130*	*07/22/24 07:05*	*07/23/24 19:21*	*1*
p-Terphenyl-d14 (Surr)	*78*		*41 - 130*	*07/22/24 07:05*	*07/23/24 19:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1200**		50	25	mg/L			07/19/24 02:57	100
Sulfate	**2100**		50	25	mg/L			07/19/24 02:57	100
Nitrate Nitrite as N	ND		1.0	0.11	mg/L			07/19/24 07:53	5

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.068**		0.0025	0.00038	mg/L		07/22/24 11:01	07/23/24 08:57	5

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.012**	**J**	0.020	0.00074	mg/L			07/22/24 09:19	1
Cadmium	ND		0.010	0.0042	mg/L			07/22/24 09:22	5
Chromium	ND		0.0060	0.0015	mg/L			07/22/24 09:19	1
Silver	**0.0027**	**J**	0.0050	0.0012	mg/L			07/22/24 09:19	1
Calcium	**150**		5.0	0.45	mg/L			07/22/24 09:22	5
Sodium	**1900**		100	30	mg/L			07/22/24 09:27	100

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0050	mg/L			07/25/24 15:02	10
Lead	ND		0.010	0.0050	mg/L			07/25/24 15:02	10
Selenium	ND		0.010	0.0080	mg/L			07/25/24 15:02	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/22/24 17:20	07/24/24 10:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**6500**		500	250	mg/L			07/22/24 09:06	1
Total Alkalinity as CaCO3 (SM 2320B)	**1100**		20	20	mg/L			07/19/24 15:11	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**1100**		20	20	mg/L			07/19/24 15:11	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			07/19/24 15:11	1
pH (SM 4500 H+ B)	**7.8**	**HF**	0.1	0.1	SU			07/19/24 15:11	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: Trip Blank

Date Collected: 07/16/24 00:00
Date Received: 07/18/24 07:08

Lab Sample ID: 885-8265-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/26/24 22:43	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/26/24 22:43	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/26/24 22:43	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/26/24 22:43	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/26/24 22:43	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/26/24 22:43	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/26/24 22:43	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/26/24 22:43	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/26/24 22:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/26/24 22:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/26/24 22:43	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/26/24 22:43	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/26/24 22:43	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/26/24 22:43	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/26/24 22:43	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/26/24 22:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/26/24 22:43	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/26/24 22:43	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/26/24 22:43	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/26/24 22:43	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 22:43	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/26/24 22:43	1
2-Butanone	ND		10	2.0	ug/L			07/26/24 22:43	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 22:43	1
2-Hexanone	ND		10	1.8	ug/L			07/26/24 22:43	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 22:43	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 22:43	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/26/24 22:43	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/26/24 22:43	1
Acetone	ND		10	2.5	ug/L			07/26/24 22:43	1
Benzene	ND		1.0	0.23	ug/L			07/26/24 22:43	1
Bromobenzene	ND		1.0	0.28	ug/L			07/26/24 22:43	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/26/24 22:43	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/26/24 22:43	1
Bromoform	ND		1.0	0.31	ug/L			07/26/24 22:43	1
Bromomethane	ND		3.0	1.0	ug/L			07/26/24 22:43	1
Carbon disulfide	ND		10	1.0	ug/L			07/26/24 22:43	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/26/24 22:43	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/26/24 22:43	1
Chloroethane	ND		2.0	0.38	ug/L			07/26/24 22:43	1
Chloroform	ND		1.0	0.25	ug/L			07/26/24 22:43	1
Chloromethane	ND		3.0	0.41	ug/L			07/26/24 22:43	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/26/24 22:43	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/26/24 22:43	1
Dibromomethane	ND		1.0	0.31	ug/L			07/26/24 22:43	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/26/24 22:43	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/26/24 22:43	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/26/24 22:43	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/26/24 22:43	1

Client Sample Results

Client: Trihydro Corporation
Job ID: 885-8265-1
Project/Site: Wingate 2024 Annual GW Sampling

Client Sample ID: Trip Blank
Lab Sample ID: 885-8265-5

Date Collected: 07/16/24 00:00
Matrix: Water
Date Received: 07/18/24 07:08

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/26/24 22:43	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/26/24 22:43	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/26/24 22:43	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/26/24 22:43	1
Naphthalene	ND		2.0	0.24	ug/L			07/26/24 22:43	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/26/24 22:43	1
Styrene	ND		1.0	0.14	ug/L			07/26/24 22:43	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/26/24 22:43	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/26/24 22:43	1
Toluene	ND		1.0	0.25	ug/L			07/26/24 22:43	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/26/24 22:43	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/26/24 22:43	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/26/24 22:43	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/26/24 22:43	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/26/24 22:43	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/26/24 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*07/26/24 22:43*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*07/26/24 22:43*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*07/26/24 22:43*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*07/26/24 22:43*	*1*

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-8265-1
Project/Site: Wingate 2024 Annual GW Sampling

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-9273/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 9273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/26/24 13:24	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/26/24 13:24	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/26/24 13:24	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/26/24 13:24	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/26/24 13:24	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/26/24 13:24	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/26/24 13:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/26/24 13:24	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/26/24 13:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/26/24 13:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/26/24 13:24	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/26/24 13:24	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/26/24 13:24	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/26/24 13:24	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/26/24 13:24	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/26/24 13:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/26/24 13:24	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/26/24 13:24	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/26/24 13:24	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/26/24 13:24	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 13:24	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/26/24 13:24	1
2-Butanone	ND		10	2.0	ug/L			07/26/24 13:24	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 13:24	1
2-Hexanone	ND		10	1.8	ug/L			07/26/24 13:24	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 13:24	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 13:24	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/26/24 13:24	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/26/24 13:24	1
Acetone	ND		10	2.5	ug/L			07/26/24 13:24	1
Benzene	ND		1.0	0.23	ug/L			07/26/24 13:24	1
Bromobenzene	ND		1.0	0.28	ug/L			07/26/24 13:24	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/26/24 13:24	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/26/24 13:24	1
Bromoform	ND		1.0	0.31	ug/L			07/26/24 13:24	1
Bromomethane	ND		3.0	1.0	ug/L			07/26/24 13:24	1
Carbon disulfide	ND		10	1.0	ug/L			07/26/24 13:24	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/26/24 13:24	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/26/24 13:24	1
Chloroethane	ND		2.0	0.38	ug/L			07/26/24 13:24	1
Chloroform	ND		1.0	0.25	ug/L			07/26/24 13:24	1
Chloromethane	ND		3.0	0.41	ug/L			07/26/24 13:24	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/26/24 13:24	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/26/24 13:24	1
Dibromomethane	ND		1.0	0.31	ug/L			07/26/24 13:24	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/26/24 13:24	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/26/24 13:24	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/26/24 13:24	1

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

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

Lab Sample ID: MB 885-9273/5
Matrix: Water
Analysis Batch: 9273

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.18	ug/L			07/26/24 13:24	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/26/24 13:24	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/26/24 13:24	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/26/24 13:24	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/26/24 13:24	1
Naphthalene	ND		2.0	0.24	ug/L			07/26/24 13:24	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/26/24 13:24	1
Styrene	ND		1.0	0.14	ug/L			07/26/24 13:24	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/26/24 13:24	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/26/24 13:24	1
Toluene	ND		1.0	0.25	ug/L			07/26/24 13:24	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/26/24 13:24	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/26/24 13:24	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/26/24 13:24	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/26/24 13:24	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/26/24 13:24	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/26/24 13:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*07/26/24 13:24*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*07/26/24 13:24*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*07/26/24 13:24*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*07/26/24 13:24*	*1*

Lab Sample ID: LCS 885-9071/2-A
Matrix: Water
Analysis Batch: 9273

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	17.7		ug/L		88	70 - 130
Benzene	20.1	19.5		ug/L		97	70 - 130
Chlorobenzene	20.1	19.8		ug/L		99	70 - 130
Toluene	20.2	19.2		ug/L		95	70 - 130
Trichloroethene (TCE)	20.2	18.8		ug/L		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*

Lab Sample ID: LCS 885-9273/4
Matrix: Water
Analysis Batch: 9273

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	17.1		ug/L		85	70 - 130
Benzene	20.1	18.9		ug/L		94	70 - 130

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

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

Lab Sample ID: LCS 885-9273/4
Matrix: Water
Analysis Batch: 9273

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	20.1	19.4		ug/L		97	70 - 130
Toluene	20.2	19.0		ug/L		94	70 - 130
Trichloroethene (TCE)	20.2	18.4		ug/L		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*

Lab Sample ID: 885-8265-1 MS
Matrix: Water
Analysis Batch: 9273

Client Sample ID: WMW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	ND		20.1	18.2		ug/L		90	70 - 130
Benzene	ND		20.1	19.9		ug/L		99	70 - 130
Chlorobenzene	ND		20.1	19.9		ug/L		99	70 - 130
Toluene	ND		20.2	19.6		ug/L		97	70 - 130
Trichloroethene (TCE)	ND		20.2	19.5		ug/L		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*

Lab Sample ID: 885-8265-1 MSD
Matrix: Water
Analysis Batch: 9273

Client Sample ID: WMW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		20.1	17.5		ug/L		87	70 - 130	4	20
Benzene	ND		20.1	19.3		ug/L		96	70 - 130	3	20
Chlorobenzene	ND		20.1	19.6		ug/L		98	70 - 130	1	20
Toluene	ND		20.2	19.5		ug/L		97	70 - 130	0	20
Trichloroethene (TCE)	ND		20.2	18.9		ug/L		94	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-8265-1
Project/Site: Wingate 2024 Annual GW Sampling

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

Lab Sample ID: MB 885-8835/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8954
Prep Batch: 8835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		07/22/24 07:05	07/23/24 15:04	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
1,3-Dichlorobenzene	ND		12	11	ug/L		07/22/24 07:05	07/23/24 15:04	1
1,4-Dichlorobenzene	ND		12	10	ug/L		07/22/24 07:05	07/23/24 15:04	1
1-Methylnaphthalene	ND		10	8.5	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,4-Dinitrophenol	ND		30	27	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
2-Chloronaphthalene	ND		10	8.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
2-Chlorophenol	ND		20	11	ug/L		07/22/24 07:05	07/23/24 15:04	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
2-Methylphenol	ND		10	4.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
2-Nitroaniline	ND		10	5.5	ug/L		07/22/24 07:05	07/23/24 15:04	1
2-Nitrophenol	ND		10	4.4	ug/L		07/22/24 07:05	07/23/24 15:04	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		07/22/24 07:05	07/23/24 15:04	1
3-Nitroaniline	ND		20	15	ug/L		07/22/24 07:05	07/23/24 15:04	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		07/22/24 07:05	07/23/24 15:04	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
4-Chloroaniline	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
4-Nitroaniline	ND		5.0	4.5	ug/L		07/22/24 07:05	07/23/24 15:04	1
4-Nitrophenol	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
Acenaphthene	ND		10	7.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
Acenaphthylene	ND		5.0	4.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
Aniline	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 15:04	1
Anthracene	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
Azobenzene	ND		10	3.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzo[a]anthracene	ND		10	6.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzoic acid	ND		20	15	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzyl alcohol	ND		5.0	4.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		07/22/24 07:05	07/23/24 15:04	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		07/22/24 07:05	07/23/24 15:04	1
Carbazole	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
Chrysene	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 15:04	1

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

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

Lab Sample ID: MB 885-8835/1-A
Matrix: Water
Analysis Batch: 8954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		10	7.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
Dibenzofuran	ND		10	4.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
Diethyl phthalate	ND		10	5.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
Dimethyl phthalate	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 15:04	1
Fluoranthene	ND		10	5.5	ug/L		07/22/24 07:05	07/23/24 15:04	1
Fluorene	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
Hexachlorobenzene	ND		20	4.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
Hexachlorobutadiene	ND		20	11	ug/L		07/22/24 07:05	07/23/24 15:04	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
Hexachloroethane	ND		20	11	ug/L		07/22/24 07:05	07/23/24 15:04	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
Isophorone	ND		5.0	4.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		07/22/24 07:05	07/23/24 15:04	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		07/22/24 07:05	07/23/24 15:04	1
Naphthalene	ND		5.0	3.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
Nitrobenzene	ND		5.0	3.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
Pentachlorophenol	ND		20	15	ug/L		07/22/24 07:05	07/23/24 15:04	1
Phenanthrene	ND		5.0	4.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
Phenol	ND		10	3.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
Pyrene	ND		10	5.2	ug/L		07/22/24 07:05	07/23/24 15:04	1
Pyridine	ND		20	2.6	ug/L		07/22/24 07:05	07/23/24 15:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*38*		*15 - 130*	*07/22/24 07:05*	*07/23/24 15:04*	*1*
2-Fluorophenol (Surr)	*47*		*15 - 130*	*07/22/24 07:05*	*07/23/24 15:04*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*15 - 130*	*07/22/24 07:05*	*07/23/24 15:04*	*1*
Nitrobenzene-d5 (Surr)	*53*		*29 - 130*	*07/22/24 07:05*	*07/23/24 15:04*	*1*
2-Fluorobiphenyl (Surr)	*51*		*20 - 130*	*07/22/24 07:05*	*07/23/24 15:04*	*1*
p-Terphenyl-d14 (Surr)	*72*		*41 - 130*	*07/22/24 07:05*	*07/23/24 15:04*	*1*

Lab Sample ID: LCS 885-8835/2-A
Matrix: Water
Analysis Batch: 8954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	100	43.2		ug/L		43	22 - 130
1,4-Dichlorobenzene	100	40.0		ug/L		40	22 - 130
2,4-Dinitrotoluene	100	59.9		ug/L		60	38 - 130
2-Chlorophenol	200	109		ug/L		55	38 - 130
4-Chloro-3-methylphenol	200	112		ug/L		56	42 - 130
4-Nitrophenol	200	84.8		ug/L		42	16 - 130
Acenaphthene	100	57.5		ug/L		58	39 - 130
N-Nitrosodi-n-propylamine	100	55.8		ug/L		56	38 - 130
Pentachlorophenol	200	70.1		ug/L		35	15 - 130
Phenol	200	63.1		ug/L		32	27 - 130
Pyrene	100	66.5		ug/L		67	65 - 130

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

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

Lab Sample ID: LCS 885-8835/2-A
Matrix: Water
Analysis Batch: 8954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8835

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	35		15 - 130
2-Fluorophenol (Surr)	44		15 - 130
2,4,6-Tribromophenol (Surr)	68		15 - 130
Nitrobenzene-d5 (Surr)	48		29 - 130
2-Fluorobiphenyl (Surr)	45		20 - 130
p-Terphenyl-d14 (Surr)	75		41 - 130

Lab Sample ID: LCSD 885-8835/3-A
Matrix: Water
Analysis Batch: 8954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8835

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	100	49.9		ug/L		50	22 - 130	14	42
1,4-Dichlorobenzene	100	50.5		ug/L		50	22 - 130	23	44
2,4-Dinitrotoluene	100	67.1		ug/L		67	38 - 130	11	39
2-Chlorophenol	200	128		ug/L		64	38 - 130	16	65
4-Chloro-3-methylphenol	200	131		ug/L		65	42 - 130	16	48
4-Nitrophenol	200	89.9		ug/L		45	16 - 130	6	55
Acenaphthene	100	68.2		ug/L		68	39 - 130	17	45
N-Nitrosodi-n-propylamine	100	65.5		ug/L		66	38 - 130	16	44
Pentachlorophenol	200	84.6		ug/L		42	15 - 130	19	55
Phenol	200	74.3		ug/L		37	27 - 130	16	49
Pyrene	100	65.6		ug/L		66	65 - 130	1	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	40		15 - 130
2-Fluorophenol (Surr)	50		15 - 130
2,4,6-Tribromophenol (Surr)	76		15 - 130
Nitrobenzene-d5 (Surr)	54		29 - 130
2-Fluorobiphenyl (Surr)	46		20 - 130
p-Terphenyl-d14 (Surr)	73		41 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-8749/101
Matrix: Water
Analysis Batch: 8749

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.25	mg/L			07/18/24 22:37	1
Sulfate	ND		0.50	0.25	mg/L			07/18/24 22:37	1

Lab Sample ID: LCS 885-8749/102
Matrix: Water
Analysis Batch: 8749

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.92		mg/L		98	90 - 110
Sulfate	10.0	9.91		mg/L		99	90 - 110

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MRL 885-8749/100 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8749

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.500	0.523		mg/L		105	50 - 150		
Sulfate			0.500	0.476	J	mg/L		95	50 - 150		

Lab Sample ID: 885-8265-1 MS — **Client Sample ID: WMW-8**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8749

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	30		50.0	79.7		mg/L		99	80 - 120		
Sulfate	150		100	249		mg/L		100	80 - 120		

Lab Sample ID: 885-8265-1 MSD — **Client Sample ID: WMW-8**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8749

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	30		50.0	78.4		mg/L		97	80 - 120	2	20
Sulfate	150		100	245		mg/L		96	80 - 120	2	20

Lab Sample ID: MB 885-8750/91 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8750

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			07/18/24 22:37	1

Lab Sample ID: LCS 885-8750/92 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8750

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate			2.50	2.56		mg/L		102	90 - 110		
Nitrite			1.00	0.973		mg/L		97	90 - 110		

Lab Sample ID: MRL 885-8750/90 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8750

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate			0.100	0.0969	J	mg/L		97	50 - 150		
Nitrite			0.0999	0.0975	J	mg/L		98	50 - 150		

Lab Sample ID: 885-8265-1 MS — **Client Sample ID: WMW-8**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate	ND		25.0	25.1		mg/L		101	80 - 120		
Nitrite	ND		10.0	9.41		mg/L		94	80 - 120		

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-8265-1
Project/Site: Wingate 2024 Annual GW Sampling

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-8265-1 MSD — **Client Sample ID: WMW-8**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate	ND		25.0	24.7		mg/L		99	80 - 120	2	20
Nitrite	ND		10.0	9.26		mg/L		93	80 - 120	2	20

Lab Sample ID: 885-8265-4 MS — **Client Sample ID: DUP-7-16-2024**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	ND		25.0	24.5		mg/L		98	80 - 120
Nitrite	ND		10.0	8.04		mg/L		80	80 - 120

Lab Sample ID: 885-8265-4 MSD — **Client Sample ID: DUP-7-16-2024**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate	ND		25.0	24.7		mg/L		99	80 - 120	1	20
Nitrite	ND		10.0	8.10		mg/L		81	80 - 120	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MRL 885-8963/9 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8963

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.000500	0.000513		mg/L		103	50 - 150

Lab Sample ID: MB 885-8890/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 8963 — **Prep Batch: 8890**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.00050	0.000076	mg/L		07/22/24 11:01	07/23/24 08:34	1

Lab Sample ID: LCS 885-8890/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 8963 — **Prep Batch: 8890**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.0125	0.0125		mg/L		100	85 - 115

Lab Sample ID: LLCS 885-8890/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 8963 — **Prep Batch: 8890**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.000500	0.000490	J	mg/L		98	50 - 150

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 885-8265-3 MS — **Client Sample ID: WMW-6**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 8963 — **Prep Batch: 8890**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.0093		0.0125	0.0232		mg/L		111	70 - 130

Lab Sample ID: 885-8265-3 MSD — **Client Sample ID: WMW-6**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 8963 — **Prep Batch: 8890**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.0093		0.0125	0.0231		mg/L		111	70 - 130	0	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-8901/16 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.020	0.00074	mg/L			07/22/24 08:43	1
Cadmium	ND		0.0020	0.00083	mg/L			07/22/24 08:43	1
Chromium	ND		0.0060	0.0015	mg/L			07/22/24 08:43	1
Silver	ND		0.0050	0.0012	mg/L			07/22/24 08:43	1
Calcium	ND		1.0	0.089	mg/L			07/22/24 08:43	1
Sodium	ND		1.0	0.30	mg/L			07/22/24 08:43	1

Lab Sample ID: LCS 885-8901/18 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.490		mg/L		98	80 - 120
Cadmium	0.500	0.493		mg/L		99	80 - 120
Chromium	0.500	0.483		mg/L		97	80 - 120
Silver	0.500	0.515		mg/L		103	80 - 120
Calcium	50.0	50.6		mg/L		101	80 - 120
Sodium	50.0	49.9		mg/L		100	80 - 120

Lab Sample ID: MRL 885-8901/13 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8901

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.00200	0.00206		mg/L		103	50 - 150
Cadmium	0.00200	0.00184	J	mg/L		92	50 - 150
Chromium	0.00600	0.00682		mg/L		114	50 - 150
Silver	0.00500	0.00545		mg/L		109	50 - 150
Calcium	0.500	0.494	J	mg/L		99	50 - 150
Sodium	0.500	0.561	J	mg/L		112	50 - 150

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 885-9234/22
Matrix: Water
Analysis Batch: 9234

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			07/25/24 13:30	1
Lead	ND		0.0010	0.00050	mg/L			07/25/24 13:30	1
Selenium	ND		0.0010	0.00080	mg/L			07/25/24 13:30	1

Lab Sample ID: LCS 885-9234/28
Matrix: Water
Analysis Batch: 9234

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0525		mg/L		105	80 - 120
Lead	0.0500	0.0497		mg/L		99	80 - 120
Selenium	0.0500	0.0564		mg/L		113	80 - 120

Lab Sample ID: LCSD 885-9234/29
Matrix: Water
Analysis Batch: 9234

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0504		mg/L		101	80 - 120	4	20
Lead	0.0500	0.0499		mg/L		100	80 - 120	0	20
Selenium	0.0500	0.0540		mg/L		108	80 - 120	4	20

Lab Sample ID: MRL 885-9234/9
Matrix: Water
Analysis Batch: 9234

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00100		mg/L		100	70 - 130
Lead	0.00100	0.000979	J	mg/L		98	70 - 130
Selenium	0.00100	0.000998	J	mg/L		100	70 - 130

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-8933/9-A
Matrix: Water
Analysis Batch: 9045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8933

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		51	50 - 150

Lab Sample ID: MB 885-8934/1-A
Matrix: Water
Analysis Batch: 9045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8934

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/22/24 17:20	07/24/24 08:59	1

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 885-8934/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9045 — **Prep Batch: 8934**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00528		mg/L		106	85 - 115		

Lab Sample ID: LLCS 885-8934/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9045 — **Prep Batch: 8934**

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.000150	ND		mg/L		58	50 - 150		

Lab Sample ID: 885-8265-1 MS — **Client Sample ID: WMW-8**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9045 — **Prep Batch: 8934**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.00500	0.00507		mg/L		101	75 - 125		

Lab Sample ID: 885-8265-1 MSD — **Client Sample ID: WMW-8**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9045 — **Prep Batch: 8934**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00500	0.00500		mg/L		100	75 - 125	1	20

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-8856/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	25	mg/L			07/22/24 09:06	1

Lab Sample ID: LCS 885-8856/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8856

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1020		mg/L		101	80 - 120		

Lab Sample ID: 885-8265-3 DU — **Client Sample ID: WMW-6**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8856

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	990			984		mg/L				0.2	10

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-8843/2
Matrix: Water
Analysis Batch: 8843

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			07/19/24 10:47	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			07/19/24 10:47	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			07/19/24 10:47	1

Lab Sample ID: LCS 885-8843/3
Matrix: Water
Analysis Batch: 8843

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	79.8		mg/L		94	90 - 110

Lab Sample ID: MRL 885-8843/1
Matrix: Water
Analysis Batch: 8843

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	22.8		mg/L		107	50 - 150

QC Association Summary

Client: Trihydro Corporation
Job ID: 885-8265-1
Project/Site: Wingate 2024 Annual GW Sampling

GC/MS VOA

Leach Batch: 9071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-9071/2-A	Lab Control Sample	Total/NA	Water	1311	

Analysis Batch: 9273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Total/NA	Water	8260B	
885-8265-2	WMW-3	Total/NA	Water	8260B	
885-8265-3	WMW-6	Total/NA	Water	8260B	
885-8265-4	DUP-7-16-2024	Total/NA	Water	8260B	
885-8265-5	Trip Blank	Total/NA	Water	8260B	
MB 885-9273/5	Method Blank	Total/NA	Water	8260B	
LCS 885-9071/2-A	Lab Control Sample	Total/NA	Water	8260B	9071
LCS 885-9273/4	Lab Control Sample	Total/NA	Water	8260B	
885-8265-1 MS	WMW-8	Total/NA	Water	8260B	
885-8265-1 MSD	WMW-8	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 8835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Total/NA	Water	3510C	
885-8265-2	WMW-3	Total/NA	Water	3510C	
885-8265-3	WMW-6	Total/NA	Water	3510C	
885-8265-4	DUP-7-16-2024	Total/NA	Water	3510C	
MB 885-8835/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-8835/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-8835/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 8954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Total/NA	Water	8270C	8835
885-8265-2	WMW-3	Total/NA	Water	8270C	8835
885-8265-3	WMW-6	Total/NA	Water	8270C	8835
885-8265-4	DUP-7-16-2024	Total/NA	Water	8270C	8835
MB 885-8835/1-A	Method Blank	Total/NA	Water	8270C	8835
LCS 885-8835/2-A	Lab Control Sample	Total/NA	Water	8270C	8835
LCSD 885-8835/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	8835

HPLC/IC

Analysis Batch: 8749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Total/NA	Water	300.0	
885-8265-2	WMW-3	Total/NA	Water	300.0	
885-8265-3	WMW-6	Total/NA	Water	300.0	
885-8265-4	DUP-7-16-2024	Total/NA	Water	300.0	
MB 885-8749/101	Method Blank	Total/NA	Water	300.0	
LCS 885-8749/102	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-8749/100	Lab Control Sample	Total/NA	Water	300.0	
885-8265-1 MS	WMW-8	Total/NA	Water	300.0	
885-8265-1 MSD	WMW-8	Total/NA	Water	300.0	

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

HPLC/IC

Analysis Batch: 8750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Total/NA	Water	300.0	
885-8265-2	WMW-3	Total/NA	Water	300.0	
885-8265-3	WMW-6	Total/NA	Water	300.0	
885-8265-4	DUP-7-16-2024	Total/NA	Water	300.0	
MB 885-8750/91	Method Blank	Total/NA	Water	300.0	
LCS 885-8750/92	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-8750/90	Lab Control Sample	Total/NA	Water	300.0	
885-8265-1 MS	WMW-8	Total/NA	Water	300.0	
885-8265-1 MSD	WMW-8	Total/NA	Water	300.0	
885-8265-4 MS	DUP-7-16-2024	Total/NA	Water	300.0	
885-8265-4 MSD	DUP-7-16-2024	Total/NA	Water	300.0	

Metals

Prep Batch: 8890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Total Recoverable	Water	200.2	
885-8265-2	WMW-3	Total Recoverable	Water	200.2	
885-8265-3	WMW-6	Total Recoverable	Water	200.2	
885-8265-4	DUP-7-16-2024	Total Recoverable	Water	200.2	
MB 885-8890/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-8890/4-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-8890/2-A	Lab Control Sample	Total Recoverable	Water	200.2	
885-8265-3 MS	WMW-6	Total Recoverable	Water	200.2	
885-8265-3 MSD	WMW-6	Total Recoverable	Water	200.2	

Analysis Batch: 8901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Dissolved	Water	6010B	
885-8265-1	WMW-8	Dissolved	Water	6010B	
885-8265-2	WMW-3	Dissolved	Water	6010B	
885-8265-2	WMW-3	Dissolved	Water	6010B	
885-8265-2	WMW-3	Dissolved	Water	6010B	
885-8265-3	WMW-6	Dissolved	Water	6010B	
885-8265-3	WMW-6	Dissolved	Water	6010B	
885-8265-4	DUP-7-16-2024	Dissolved	Water	6010B	
885-8265-4	DUP-7-16-2024	Dissolved	Water	6010B	
885-8265-4	DUP-7-16-2024	Dissolved	Water	6010B	
MB 885-8901/16	Method Blank	Total/NA	Water	6010B	
LCS 885-8901/18	Lab Control Sample	Total/NA	Water	6010B	
MRL 885-8901/13	Lab Control Sample	Total/NA	Water	6010B	

Prep Batch: 8933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-8933/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 8934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Total/NA	Water	7470A	
885-8265-2	WMW-3	Total/NA	Water	7470A	
885-8265-3	WMW-6	Total/NA	Water	7470A	

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Metals (Continued)

Prep Batch: 8934 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-4	DUP-7-16-2024	Total/NA	Water	7470A	
MB 885-8934/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-8934/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-8934/2-A	Lab Control Sample	Total/NA	Water	7470A	
885-8265-1 MS	WMW-8	Total/NA	Water	7470A	
885-8265-1 MSD	WMW-8	Total/NA	Water	7470A	

Analysis Batch: 8963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Total Recoverable	Water	200.8	8890
885-8265-2	WMW-3	Total Recoverable	Water	200.8	8890
885-8265-3	WMW-6	Total Recoverable	Water	200.8	8890
885-8265-4	DUP-7-16-2024	Total Recoverable	Water	200.8	8890
MB 885-8890/1-A	Method Blank	Total Recoverable	Water	200.8	8890
LCS 885-8890/4-A	Lab Control Sample	Total Recoverable	Water	200.8	8890
LLCS 885-8890/2-A	Lab Control Sample	Total Recoverable	Water	200.8	8890
MRL 885-8963/9	Lab Control Sample	Total/NA	Water	200.8	
885-8265-3 MS	WMW-6	Total Recoverable	Water	200.8	8890
885-8265-3 MSD	WMW-6	Total Recoverable	Water	200.8	8890

Analysis Batch: 9045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Total/NA	Water	7470A	8934
885-8265-2	WMW-3	Total/NA	Water	7470A	8934
885-8265-3	WMW-6	Total/NA	Water	7470A	8934
885-8265-4	DUP-7-16-2024	Total/NA	Water	7470A	8934
MB 885-8934/1-A	Method Blank	Total/NA	Water	7470A	8934
LCS 885-8934/3-A	Lab Control Sample	Total/NA	Water	7470A	8934
LLCS 885-8934/2-A	Lab Control Sample	Total/NA	Water	7470A	8934
MRL 885-8933/9-A	Lab Control Sample	Total/NA	Water	7470A	8933
885-8265-1 MS	WMW-8	Total/NA	Water	7470A	8934
885-8265-1 MSD	WMW-8	Total/NA	Water	7470A	8934

Analysis Batch: 9234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Dissolved	Water	6020A	
885-8265-2	WMW-3	Dissolved	Water	6020A	
885-8265-3	WMW-6	Dissolved	Water	6020A	
885-8265-4	DUP-7-16-2024	Dissolved	Water	6020A	
MB 885-9234/22	Method Blank	Total/NA	Water	6020A	
LCS 885-9234/28	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-9234/29	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-9234/9	Lab Control Sample	Total/NA	Water	6020A	

General Chemistry

Analysis Batch: 8843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Total/NA	Water	SM 2320B	
885-8265-2	WMW-3	Total/NA	Water	SM 2320B	
885-8265-3	WMW-6	Total/NA	Water	SM 2320B	

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

General Chemistry (Continued)

Analysis Batch: 8843 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-4	DUP-7-16-2024	Total/NA	Water	SM 2320B	
MB 885-8843/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-8843/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-8843/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 8845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Total/NA	Water	SM 4500 H+ B	
885-8265-2	WMW-3	Total/NA	Water	SM 4500 H+ B	
885-8265-3	WMW-6	Total/NA	Water	SM 4500 H+ B	
885-8265-4	DUP-7-16-2024	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 8856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8265-1	WMW-8	Total/NA	Water	2540C	
885-8265-2	WMW-3	Total/NA	Water	2540C	
885-8265-3	WMW-6	Total/NA	Water	2540C	
885-8265-4	DUP-7-16-2024	Total/NA	Water	2540C	
MB 885-8856/1	Method Blank	Total/NA	Water	2540C	
LCS 885-8856/2	Lab Control Sample	Total/NA	Water	2540C	
885-8265-3 DU	WMW-6	Total/NA	Water	2540C	

Lab Chronicle

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-8

Lab Sample ID: 885-8265-1
Matrix: Water
Date Collected: 07/16/24 09:30
Date Received: 07/18/24 07:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	9273	CM	EET ALB	07/26/24 20:18
Total/NA	Prep	3510C			8835	JM	EET ALB	07/22/24 07:05
Total/NA	Analysis	8270C		1	8954	SB	EET ALB	07/23/24 17:10
Total/NA	Analysis	300.0		10	8749	JT	EET ALB	07/19/24 00:16
Total/NA	Analysis	300.0		5	8750	JT	EET ALB	07/19/24 07:16
Total Recoverable	Prep	200.2			8890	TM	EET ALB	07/22/24 11:01
Total Recoverable	Analysis	200.8		1	8963	ES	EET ALB	07/23/24 08:44
Dissolved	Analysis	6010B		1	8901	VP	EET ALB	07/22/24 08:53
Dissolved	Analysis	6010B		5	8901	VP	EET ALB	07/22/24 08:56
Dissolved	Analysis	6020A		10	9234	BV	EET ALB	07/25/24 14:48
Total/NA	Prep	7470A			8934	TM	EET ALB	07/22/24 17:20
Total/NA	Analysis	7470A		1	9045	JR	EET ALB	07/24/24 10:12
Total/NA	Analysis	2540C		1	8856	ES	EET ALB	07/22/24 09:06
Total/NA	Analysis	SM 2320B		1	8843	DL	EET ALB	07/19/24 13:53
Total/NA	Analysis	SM 4500 H+ B		1	8845	DL	EET ALB	07/19/24 13:53

Client Sample ID: WMW-3

Lab Sample ID: 885-8265-2
Matrix: Water
Date Collected: 07/16/24 10:00
Date Received: 07/18/24 07:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	9273	CM	EET ALB	07/26/24 21:31
Total/NA	Prep	3510C			8835	JM	EET ALB	07/22/24 07:05
Total/NA	Analysis	8270C		1	8954	SB	EET ALB	07/23/24 17:53
Total/NA	Analysis	300.0		100	8749	JT	EET ALB	07/19/24 01:18
Total/NA	Analysis	300.0		5	8750	JT	EET ALB	07/19/24 07:28
Total Recoverable	Prep	200.2			8890	TM	EET ALB	07/22/24 11:01
Total Recoverable	Analysis	200.8		5	8963	ES	EET ALB	07/23/24 08:47
Dissolved	Analysis	6010B		5	8901	VP	EET ALB	07/22/24 09:00
Dissolved	Analysis	6010B		1	8901	VP	EET ALB	07/22/24 09:12
Dissolved	Analysis	6010B		20	8901	VP	EET ALB	07/22/24 09:24
Dissolved	Analysis	6020A		10	9234	BV	EET ALB	07/25/24 14:53
Total/NA	Prep	7470A			8934	TM	EET ALB	07/22/24 17:20
Total/NA	Analysis	7470A		1	9045	JR	EET ALB	07/24/24 10:24
Total/NA	Analysis	2540C		1	8856	ES	EET ALB	07/22/24 09:06
Total/NA	Analysis	SM 2320B		1	8843	DL	EET ALB	07/19/24 14:13
Total/NA	Analysis	SM 4500 H+ B		1	8845	DL	EET ALB	07/19/24 14:13

Lab Chronicle

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: WMW-6

Lab Sample ID: 885-8265-3
Matrix: Water
Date Collected: 07/16/24 11:15
Date Received: 07/18/24 07:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	9273	CM	EET ALB	07/26/24 21:55
Total/NA	Prep	3510C			8835	JM	EET ALB	07/22/24 07:05
Total/NA	Analysis	8270C		1	8954	SB	EET ALB	07/23/24 18:37
Total/NA	Analysis	300.0		10	8749	JT	EET ALB	07/19/24 01:55
Total/NA	Analysis	300.0		5	8750	JT	EET ALB	07/19/24 07:41
Total Recoverable	Prep	200.2			8890	TM	EET ALB	07/22/24 11:01
Total Recoverable	Analysis	200.8		1	8963	ES	EET ALB	07/23/24 08:49
Dissolved	Analysis	6010B		1	8901	VP	EET ALB	07/22/24 09:15
Dissolved	Analysis	6010B		5	8901	VP	EET ALB	07/22/24 09:17
Dissolved	Analysis	6020A		10	9234	BV	EET ALB	07/25/24 14:58
Total/NA	Prep	7470A			8934	TM	EET ALB	07/22/24 17:20
Total/NA	Analysis	7470A		1	9045	JR	EET ALB	07/24/24 10:27
Total/NA	Analysis	2540C		1	8856	ES	EET ALB	07/22/24 09:06
Total/NA	Analysis	SM 2320B		1	8843	DL	EET ALB	07/19/24 14:52
Total/NA	Analysis	SM 4500 H+ B		1	8845	DL	EET ALB	07/19/24 14:52

Client Sample ID: DUP-7-16-2024

Lab Sample ID: 885-8265-4
Matrix: Water
Date Collected: 07/16/24 00:00
Date Received: 07/18/24 07:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	9273	CM	EET ALB	07/26/24 22:19
Total/NA	Prep	3510C			8835	JM	EET ALB	07/22/24 07:05
Total/NA	Analysis	8270C		1	8954	SB	EET ALB	07/23/24 19:21
Total/NA	Analysis	300.0		100	8749	JT	EET ALB	07/19/24 02:57
Total/NA	Analysis	300.0		5	8750	JT	EET ALB	07/19/24 07:53
Total Recoverable	Prep	200.2			8890	TM	EET ALB	07/22/24 11:01
Total Recoverable	Analysis	200.8		5	8963	ES	EET ALB	07/23/24 08:57
Dissolved	Analysis	6010B		1	8901	VP	EET ALB	07/22/24 09:19
Dissolved	Analysis	6010B		5	8901	VP	EET ALB	07/22/24 09:22
Dissolved	Analysis	6010B		100	8901	VP	EET ALB	07/22/24 09:27
Dissolved	Analysis	6020A		10	9234	BV	EET ALB	07/25/24 15:02
Total/NA	Prep	7470A			8934	TM	EET ALB	07/22/24 17:20
Total/NA	Analysis	7470A		1	9045	JR	EET ALB	07/24/24 10:29
Total/NA	Analysis	2540C		1	8856	ES	EET ALB	07/22/24 09:06
Total/NA	Analysis	SM 2320B		1	8843	DL	EET ALB	07/19/24 15:11
Total/NA	Analysis	SM 4500 H+ B		1	8845	DL	EET ALB	07/19/24 15:11

Lab Chronicle

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Client Sample ID: Trip Blank

Lab Sample ID: 885-8265-5

Date Collected: 07/16/24 00:00
Matrix: Water
Date Received: 07/18/24 07:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	9273	CM	EET ALB	07/26/24 22:43

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Trihydro Corporation
Job ID: 885-8265-1
Project/Site: Wingate 2024 Annual GW Sampling

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
200.8	200.2	Water	Uranium
2540C		Water	Total Dissolved Solids
300.0		Water	Chloride
300.0		Water	Nitrate Nitrite as N
300.0		Water	Sulfate
6010B		Water	Barium
6010B		Water	Cadmium
6010B		Water	Calcium
6010B		Water	Chromium
6010B		Water	Silver
6010B		Water	Sodium
6020A		Water	Arsenic
6020A		Water	Lead
6020A		Water	Selenium
7470A	7470A	Water	Mercury
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene
8260B		Water	1,2-Dibromo-3-Chloropropane
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone

Accreditation/Certification Summary

Client: Trihydro Corporation
Job ID: 885-8265-1
Project/Site: Wingate 2024 Annual GW Sampling

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)
8260B		Water	Toluene
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
8270C	3510C	Water	1,2,4-Trichlorobenzene
8270C	3510C	Water	1,2-Dichlorobenzene
8270C	3510C	Water	1,3-Dichlorobenzene
8270C	3510C	Water	1,4-Dichlorobenzene
8270C	3510C	Water	1-Methylnaphthalene
8270C	3510C	Water	2,4,5-Trichlorophenol
8270C	3510C	Water	2,4,6-Trichlorophenol
8270C	3510C	Water	2,4-Dichlorophenol
8270C	3510C	Water	2,4-Dimethylphenol
8270C	3510C	Water	2,4-Dinitrophenol
8270C	3510C	Water	2,4-Dinitrotoluene
8270C	3510C	Water	2,6-Dinitrotoluene

Accreditation/Certification Summary

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8265-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	2-Chloronaphthalene
8270C	3510C	Water	2-Chlorophenol
8270C	3510C	Water	2-Methylnaphthalene
8270C	3510C	Water	2-Methylphenol
8270C	3510C	Water	2-Nitroaniline
8270C	3510C	Water	2-Nitrophenol
8270C	3510C	Water	3 & 4 Methylphenol
8270C	3510C	Water	3,3'-Dichlorobenzidine
8270C	3510C	Water	3-Nitroaniline
8270C	3510C	Water	4,6-Dinitro-2-methylphenol
8270C	3510C	Water	4-Bromophenyl phenyl ether
8270C	3510C	Water	4-Chloro-3-methylphenol
8270C	3510C	Water	4-Chloroaniline
8270C	3510C	Water	4-Chlorophenyl phenyl ether
8270C	3510C	Water	4-Nitroaniline
8270C	3510C	Water	4-Nitrophenol
8270C	3510C	Water	Acenaphthene
8270C	3510C	Water	Acenaphthylene
8270C	3510C	Water	Aniline
8270C	3510C	Water	Anthracene
8270C	3510C	Water	Azobenzene
8270C	3510C	Water	Benzo[a]anthracene
8270C	3510C	Water	Benzo[a]pyrene
8270C	3510C	Water	Benzo[b]fluoranthene
8270C	3510C	Water	Benzo[g,h,i]perylene
8270C	3510C	Water	Benzo[k]fluoranthene
8270C	3510C	Water	Benzoic acid
8270C	3510C	Water	Benzyl alcohol
8270C	3510C	Water	bis (2-Chloroisopropyl) ether
8270C	3510C	Water	Bis(2-chloroethoxy)methane
8270C	3510C	Water	Bis(2-chloroethyl)ether
8270C	3510C	Water	Bis(2-ethylhexyl) phthalate
8270C	3510C	Water	Butyl benzyl phthalate
8270C	3510C	Water	Carbazole
8270C	3510C	Water	Chrysene
8270C	3510C	Water	Dibenz(a,h)anthracene
8270C	3510C	Water	Dibenzofuran
8270C	3510C	Water	Diethyl phthalate
8270C	3510C	Water	Dimethyl phthalate
8270C	3510C	Water	Di-n-butyl phthalate
8270C	3510C	Water	Di-n-octyl phthalate
8270C	3510C	Water	Fluoranthene
8270C	3510C	Water	Fluorene
8270C	3510C	Water	Hexachlorobenzene
8270C	3510C	Water	Hexachlorobutadiene
8270C	3510C	Water	Hexachlorocyclopentadiene
8270C	3510C	Water	Hexachloroethane

Accreditation/Certification Summary

Client: Trihydro Corporation
Job ID: 885-8265-1
Project/Site: Wingate 2024 Annual GW Sampling

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	Indeno[1,2,3-cd]pyrene
8270C	3510C	Water	Isophorone
8270C	3510C	Water	Naphthalene
8270C	3510C	Water	Nitrobenzene
8270C	3510C	Water	N-Nitrosodimethylamine
8270C	3510C	Water	N-Nitrosodi-n-propylamine
8270C	3510C	Water	N-Nitrosodiphenylamine
8270C	3510C	Water	Pentachlorophenol
8270C	3510C	Water	Phenanthrene
8270C	3510C	Water	Phenol
8270C	3510C	Water	Pyrene
8270C	3510C	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 4500 H+ B		Water	pH

Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3

Chain-of-Custody Record

Client: Marathon Petroleum Company

Mailing Address: 92 Giant Crossing Rd.
Jamestown, NM 87347

Phone #: 970-227-4443

email or Fax#: cfields@trihydro.com

QA/QC Package:
X Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

X EDD (Type)

Turn-Around Time:
☐ Standard X Rush

Project Name:
Wingate 2024 Annual GW Sampling

Project #:
[redacted] WRSL-023-0010

Project Manager:
Caitlin Fields/Beth Butler

Sampler:

On Ice: ☑ Yes ☐ No Yes

# of Coolers: 1

Cooler Temp(including CF): 3.3 -0.1 = 3.2

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107
885-8265 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	8260-VOC	8270-SVOC	6010-Dissolved Metals	7470 - Mercury	SM2320B - Alkalinity, Total as CaCO3	SM2540C - TDS	9040 - pH	300.0 Chloride, Nitrite, Sulfate	200.8 Total Uranium							
~~7/16~~	~~9:00~~	water	~~EB-7-16-24~~	~~8~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	per client. TMC 7/18/24						
7/16	9:30	water	WMW-8	8		1	X	X	X	X	X	X	X	X	X							
7/16	10:00	water	WMW-3	8		2	X	X	X	X	X	X	X	X	X							
7/16	11:15	water	WMW-6	8		3	X	X	X	X	X	X	X	X	X							
7/16	-	water	DUP-7-16-24	~~7~~ 8		4	X	X	X	X	X	X	X	X	X							
-	-	water	Trip Blank	3		5	X	X														
		water																				
		water																				
		water																				
		water																				
		water																				
		water																				

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
7/17	10:00	Hilario Trejo		courier	7/18/24	7:00
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Please rush samples

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Trihydro Corporation

Job Number: 885-8265-1

Login Number: 8265
List Number: 1
Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Caitlin Fields
Trihydro Corporation
1252 Commerce Drive
Laramie, Wyoming 82070

Generated 7/31/2024 2:00:02 PM

JOB DESCRIPTION

Wingate 2024 Annual GW Sampling

JOB NUMBER

885-8326-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

my EOL

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
7/31/2024 2:00:02 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Table of Contents

Definitions/Glossary

Client: Trihydro Corporation
Job ID: 885-8326-1
Project/Site: Wingate 2024 Annual GW Sampling

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

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

Case Narrative

Client: Trihydro Corporation
Project: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

Job ID: 885-8326-1 Eurofins Albuquerque

Job Narrative
885-8326-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 7/19/2024 7:25 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

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

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

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

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

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

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

Client Sample ID: EB-7-16-24

Date Collected: 07/16/24 09:00
Date Received: 07/19/24 07:25

Lab Sample ID: 885-8326-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/26/24 19:53	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/25/24 22:09	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/25/24 22:09	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/25/24 22:09	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/25/24 22:09	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/25/24 22:09	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/25/24 22:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/25/24 22:09	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/25/24 22:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/25/24 22:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/25/24 22:09	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/25/24 22:09	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/25/24 22:09	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/25/24 22:09	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/25/24 22:09	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/25/24 22:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/25/24 22:09	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/25/24 22:09	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/25/24 22:09	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/25/24 22:09	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/25/24 22:09	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/25/24 22:09	1
2-Butanone	**24**		10	2.0	ug/L			07/25/24 22:09	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/25/24 22:09	1
2-Hexanone	**2.7**	**J**	10	1.8	ug/L			07/25/24 22:09	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/25/24 22:09	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/25/24 22:09	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/25/24 22:09	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/25/24 22:09	1
Acetone	**16**		10	2.5	ug/L			07/26/24 19:53	1
Benzene	ND		1.0	0.23	ug/L			07/25/24 22:09	1
Bromobenzene	ND		1.0	0.28	ug/L			07/25/24 22:09	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/25/24 22:09	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/25/24 22:09	1
Bromoform	ND		1.0	0.31	ug/L			07/25/24 22:09	1
Bromomethane	ND		3.0	1.0	ug/L			07/25/24 22:09	1
Carbon disulfide	ND		10	1.0	ug/L			07/25/24 22:09	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/25/24 22:09	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/25/24 22:09	1
Chloroethane	ND		2.0	0.38	ug/L			07/25/24 22:09	1
Chloroform	ND		1.0	0.25	ug/L			07/25/24 22:09	1
Chloromethane	**0.88**	**J**	3.0	0.41	ug/L			07/25/24 22:09	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/25/24 22:09	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/25/24 22:09	1
Dibromomethane	ND		1.0	0.31	ug/L			07/25/24 22:09	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/25/24 22:09	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/25/24 22:09	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/25/24 22:09	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/25/24 22:09	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

Client Sample ID: EB-7-16-24

Date Collected: 07/16/24 09:00
Date Received: 07/19/24 07:25

Lab Sample ID: 885-8326-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/25/24 22:09	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/25/24 22:09	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/25/24 22:09	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/25/24 22:09	1
Naphthalene	**0.25**	**J**	2.0	0.24	ug/L			07/25/24 22:09	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/25/24 22:09	1
Styrene	ND		1.0	0.14	ug/L			07/25/24 22:09	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/25/24 22:09	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/25/24 22:09	1
Toluene	ND		1.0	0.25	ug/L			07/25/24 22:09	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/25/24 22:09	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/25/24 22:09	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/25/24 22:09	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/25/24 22:09	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/25/24 22:09	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/25/24 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*07/25/24 22:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*07/26/24 19:53*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*07/25/24 22:09*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*07/26/24 19:53*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*07/25/24 22:09*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*07/26/24 19:53*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*07/25/24 22:09*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*07/26/24 19:53*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		07/22/24 07:05	07/23/24 20:04	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		07/22/24 07:05	07/23/24 20:04	1
1,3-Dichlorobenzene	ND		12	11	ug/L		07/22/24 07:05	07/23/24 20:04	1
1,4-Dichlorobenzene	ND		12	10	ug/L		07/22/24 07:05	07/23/24 20:04	1
1-Methylnaphthalene	ND		10	8.5	ug/L		07/22/24 07:05	07/23/24 20:04	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		07/22/24 07:05	07/23/24 20:04	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		07/22/24 07:05	07/23/24 20:04	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		07/22/24 07:05	07/23/24 20:04	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		07/22/24 07:05	07/23/24 20:04	1
2,4-Dinitrophenol	ND		30	27	ug/L		07/22/24 07:05	07/23/24 20:04	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		07/22/24 07:05	07/23/24 20:04	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		07/22/24 07:05	07/23/24 20:04	1
2-Chloronaphthalene	ND		10	8.7	ug/L		07/22/24 07:05	07/23/24 20:04	1
2-Chlorophenol	ND		20	11	ug/L		07/22/24 07:05	07/23/24 20:04	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		07/22/24 07:05	07/23/24 20:04	1
2-Methylphenol	ND		10	4.7	ug/L		07/22/24 07:05	07/23/24 20:04	1
2-Nitroaniline	ND		10	5.5	ug/L		07/22/24 07:05	07/23/24 20:04	1
2-Nitrophenol	ND		10	4.4	ug/L		07/22/24 07:05	07/23/24 20:04	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		07/22/24 07:05	07/23/24 20:04	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		07/22/24 07:05	07/23/24 20:04	1
3-Nitroaniline	ND		20	15	ug/L		07/22/24 07:05	07/23/24 20:04	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

Client Sample ID: EB-7-16-24

Date Collected: 07/16/24 09:00
Date Received: 07/19/24 07:25

Lab Sample ID: 885-8326-1

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		07/22/24 07:05	07/23/24 20:04	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 20:04	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		07/22/24 07:05	07/23/24 20:04	1
4-Chloroaniline	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 20:04	1
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 20:04	1
4-Nitroaniline	ND		5.0	4.5	ug/L		07/22/24 07:05	07/23/24 20:04	1
4-Nitrophenol	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 20:04	1
Acenaphthene	ND		10	7.7	ug/L		07/22/24 07:05	07/23/24 20:04	1
Acenaphthylene	ND		5.0	4.6	ug/L		07/22/24 07:05	07/23/24 20:04	1
Aniline	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 20:04	1
Anthracene	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 20:04	1
Azobenzene	ND		10	3.8	ug/L		07/22/24 07:05	07/23/24 20:04	1
Benzo[a]anthracene	ND		10	6.7	ug/L		07/22/24 07:05	07/23/24 20:04	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		07/22/24 07:05	07/23/24 20:04	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		07/22/24 07:05	07/23/24 20:04	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		07/22/24 07:05	07/23/24 20:04	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		07/22/24 07:05	07/23/24 20:04	1
Benzoic acid	ND		20	15	ug/L		07/22/24 07:05	07/23/24 20:04	1
Benzyl alcohol	ND		5.0	4.8	ug/L		07/22/24 07:05	07/23/24 20:04	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		07/22/24 07:05	07/23/24 20:04	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		07/22/24 07:05	07/23/24 20:04	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		07/22/24 07:05	07/23/24 20:04	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		07/22/24 07:05	07/23/24 20:04	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		07/22/24 07:05	07/23/24 20:04	1
Carbazole	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 20:04	1
Chrysene	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 20:04	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 20:04	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		07/22/24 07:05	07/23/24 20:04	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		07/22/24 07:05	07/23/24 20:04	1
Dibenzofuran	ND		10	4.9	ug/L		07/22/24 07:05	07/23/24 20:04	1
Diethyl phthalate	ND		10	5.6	ug/L		07/22/24 07:05	07/23/24 20:04	1
Dimethyl phthalate	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 20:04	1
Fluoranthene	ND		10	5.5	ug/L		07/22/24 07:05	07/23/24 20:04	1
Fluorene	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 20:04	1
Hexachlorobenzene	ND		20	4.6	ug/L		07/22/24 07:05	07/23/24 20:04	1
Hexachlorobutadiene	ND		20	11	ug/L		07/22/24 07:05	07/23/24 20:04	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		07/22/24 07:05	07/23/24 20:04	1
Hexachloroethane	ND		20	11	ug/L		07/22/24 07:05	07/23/24 20:04	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 20:04	1
Isophorone	ND		5.0	4.3	ug/L		07/22/24 07:05	07/23/24 20:04	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		07/22/24 07:05	07/23/24 20:04	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		07/22/24 07:05	07/23/24 20:04	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		07/22/24 07:05	07/23/24 20:04	1
Naphthalene	ND		5.0	3.3	ug/L		07/22/24 07:05	07/23/24 20:04	1
Nitrobenzene	ND		5.0	3.6	ug/L		07/22/24 07:05	07/23/24 20:04	1
Pentachlorophenol	ND		20	15	ug/L		07/22/24 07:05	07/23/24 20:04	1
Phenanthrene	ND		5.0	4.8	ug/L		07/22/24 07:05	07/23/24 20:04	1
Phenol	ND		10	3.9	ug/L		07/22/24 07:05	07/23/24 20:04	1
Pyrene	ND		10	5.2	ug/L		07/22/24 07:05	07/23/24 20:04	1

Client Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

Client Sample ID: EB-7-16-24

Date Collected: 07/16/24 09:00
Date Received: 07/19/24 07:25

Lab Sample ID: 885-8326-1

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	ND		20	2.6	ug/L		07/22/24 07:05	07/23/24 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*43*		*15 - 130*	*07/22/24 07:05*	*07/23/24 20:04*	*1*
2-Fluorophenol (Surr)	*55*		*15 - 130*	*07/22/24 07:05*	*07/23/24 20:04*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*15 - 130*	*07/22/24 07:05*	*07/23/24 20:04*	*1*
Nitrobenzene-d5 (Surr)	*62*		*29 - 130*	*07/22/24 07:05*	*07/23/24 20:04*	*1*
2-Fluorobiphenyl (Surr)	*59*		*20 - 130*	*07/22/24 07:05*	*07/23/24 20:04*	*1*
p-Terphenyl-d14 (Surr)	*75*		*41 - 130*	*07/22/24 07:05*	*07/23/24 20:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.25	mg/L			07/20/24 16:01	1
Sulfate	ND		0.50	0.25	mg/L			07/20/24 16:01	1
Nitrate Nitrite as N	ND		1.0	0.11	mg/L			07/20/24 23:50	5

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.00050	0.000076	mg/L		07/22/24 11:01	07/23/24 09:05	1

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.0015**	**J**	0.020	0.00074	mg/L			07/22/24 08:49	1
Cadmium	ND		0.0020	0.00083	mg/L			07/22/24 08:49	1
Chromium	**0.0016**	**J**	0.0060	0.0015	mg/L			07/22/24 08:49	1
Silver	ND		0.0050	0.0012	mg/L			07/22/24 08:49	1
Calcium	**0.13**	**J**	1.0	0.089	mg/L			07/22/24 08:49	1
Sodium	ND		1.0	0.30	mg/L			07/22/24 08:49	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0050	mg/L			07/25/24 15:07	10
Lead	ND		0.010	0.0050	mg/L			07/25/24 15:07	10
Selenium	ND		0.010	0.0080	mg/L			07/25/24 15:07	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/22/24 17:20	07/24/24 10:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	ND		50	25	mg/L			07/22/24 09:06	1
Total Alkalinity as CaCO3 (SM 2320B)	ND		20	20	mg/L			07/23/24 16:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	ND		20	20	mg/L			07/23/24 16:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			07/23/24 16:22	1
pH (SM 4500 H+ B)	**5.7**	**HF**	0.1	0.1	SU			07/19/24 18:20	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-8326-1
Project/Site: Wingate 2024 Annual GW Sampling

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-9195/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 9195

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/25/24 16:03	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/25/24 16:03	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/25/24 16:03	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/25/24 16:03	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/25/24 16:03	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/25/24 16:03	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/25/24 16:03	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/25/24 16:03	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/25/24 16:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/25/24 16:03	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/25/24 16:03	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/25/24 16:03	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/25/24 16:03	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/25/24 16:03	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/25/24 16:03	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/25/24 16:03	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/25/24 16:03	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/25/24 16:03	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/25/24 16:03	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/25/24 16:03	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/25/24 16:03	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/25/24 16:03	1
2-Butanone	ND		10	2.0	ug/L			07/25/24 16:03	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/25/24 16:03	1
2-Hexanone	ND		10	1.8	ug/L			07/25/24 16:03	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/25/24 16:03	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/25/24 16:03	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/25/24 16:03	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/25/24 16:03	1
Acetone	ND		10	2.5	ug/L			07/25/24 16:03	1
Benzene	ND		1.0	0.23	ug/L			07/25/24 16:03	1
Bromobenzene	ND		1.0	0.28	ug/L			07/25/24 16:03	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/25/24 16:03	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/25/24 16:03	1
Bromoform	ND		1.0	0.31	ug/L			07/25/24 16:03	1
Bromomethane	ND		3.0	1.0	ug/L			07/25/24 16:03	1
Carbon disulfide	ND		10	1.0	ug/L			07/25/24 16:03	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/25/24 16:03	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/25/24 16:03	1
Chloroethane	ND		2.0	0.38	ug/L			07/25/24 16:03	1
Chloroform	ND		1.0	0.25	ug/L			07/25/24 16:03	1
Chloromethane	ND		3.0	0.41	ug/L			07/25/24 16:03	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/25/24 16:03	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/25/24 16:03	1
Dibromomethane	ND		1.0	0.31	ug/L			07/25/24 16:03	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/25/24 16:03	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/25/24 16:03	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/25/24 16:03	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-8326-1
Project/Site: Wingate 2024 Annual GW Sampling

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

Lab Sample ID: MB 885-9195/5
Matrix: Water
Analysis Batch: 9195

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.18	ug/L			07/25/24 16:03	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/25/24 16:03	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/25/24 16:03	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/25/24 16:03	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/25/24 16:03	1
Naphthalene	ND		2.0	0.24	ug/L			07/25/24 16:03	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/25/24 16:03	1
Styrene	ND		1.0	0.14	ug/L			07/25/24 16:03	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/25/24 16:03	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/25/24 16:03	1
Toluene	ND		1.0	0.25	ug/L			07/25/24 16:03	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/25/24 16:03	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/25/24 16:03	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/25/24 16:03	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/25/24 16:03	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/25/24 16:03	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/25/24 16:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*07/25/24 16:03*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*07/25/24 16:03*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*07/25/24 16:03*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*07/25/24 16:03*	*1*

Lab Sample ID: STOBLK 885-9195/27
Matrix: Water
Analysis Batch: 9195

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

Analyte	STOBLK Result	STOBLK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/26/24 01:23	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/26/24 01:23	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/26/24 01:23	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/26/24 01:23	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/26/24 01:23	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/26/24 01:23	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/26/24 01:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/26/24 01:23	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/26/24 01:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/26/24 01:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/26/24 01:23	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/26/24 01:23	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/26/24 01:23	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/26/24 01:23	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/26/24 01:23	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/26/24 01:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/26/24 01:23	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/26/24 01:23	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/26/24 01:23	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-8326-1
Project/Site: Wingate 2024 Annual GW Sampling

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

Lab Sample ID: STOBLK 885-9195/27
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 9195

Analyte	STOBLK Result	STOBLK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/26/24 01:23	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 01:23	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/26/24 01:23	1
2-Butanone	ND		10	2.0	ug/L			07/26/24 01:23	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 01:23	1
2-Hexanone	ND		10	1.8	ug/L			07/26/24 01:23	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 01:23	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 01:23	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/26/24 01:23	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/26/24 01:23	1
Acetone	ND		10	2.5	ug/L			07/26/24 01:23	1
Benzene	ND		1.0	0.23	ug/L			07/26/24 01:23	1
Bromobenzene	ND		1.0	0.28	ug/L			07/26/24 01:23	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/26/24 01:23	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/26/24 01:23	1
Bromoform	ND		1.0	0.31	ug/L			07/26/24 01:23	1
Bromomethane	ND		3.0	1.0	ug/L			07/26/24 01:23	1
Carbon disulfide	ND		10	1.0	ug/L			07/26/24 01:23	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/26/24 01:23	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/26/24 01:23	1
Chloroethane	ND		2.0	0.38	ug/L			07/26/24 01:23	1
Chloroform	ND		1.0	0.25	ug/L			07/26/24 01:23	1
Chloromethane	ND		3.0	0.41	ug/L			07/26/24 01:23	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/26/24 01:23	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/26/24 01:23	1
Dibromomethane	ND		1.0	0.31	ug/L			07/26/24 01:23	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/26/24 01:23	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/26/24 01:23	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/26/24 01:23	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/26/24 01:23	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/26/24 01:23	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/26/24 01:23	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/26/24 01:23	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/26/24 01:23	1
Naphthalene	ND		2.0	0.24	ug/L			07/26/24 01:23	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/26/24 01:23	1
Styrene	ND		1.0	0.14	ug/L			07/26/24 01:23	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/26/24 01:23	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/26/24 01:23	1
Toluene	ND		1.0	0.25	ug/L			07/26/24 01:23	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/26/24 01:23	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/26/24 01:23	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/26/24 01:23	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/26/24 01:23	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/26/24 01:23	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/26/24 01:23	1

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

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

Lab Sample ID: STOBLK 885-9195/27
Matrix: Water
Analysis Batch: 9195

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

Surrogate	STOBLK %Recovery	STOBLK Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		07/26/24 01:23	1
Toluene-d8 (Surr)	97		70 - 130		07/26/24 01:23	1
4-Bromofluorobenzene (Surr)	98		70 - 130		07/26/24 01:23	1
Dibromofluoromethane (Surr)	98		70 - 130		07/26/24 01:23	1

Lab Sample ID: LCS 885-9195/4
Matrix: Water
Analysis Batch: 9195

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	17.3		ug/L		86	70 - 130
Benzene	20.1	18.9		ug/L		94	70 - 130
Chlorobenzene	20.1	19.7		ug/L		98	70 - 130
Toluene	20.2	19.4		ug/L		96	70 - 130
Trichloroethene (TCE)	20.2	18.6		ug/L		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
Toluene-d8 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130

Lab Sample ID: MB 885-9273/5
Matrix: Water
Analysis Batch: 9273

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			07/26/24 13:24	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			07/26/24 13:24	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			07/26/24 13:24	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/26/24 13:24	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			07/26/24 13:24	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/26/24 13:24	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			07/26/24 13:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			07/26/24 13:24	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			07/26/24 13:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			07/26/24 13:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			07/26/24 13:24	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			07/26/24 13:24	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			07/26/24 13:24	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			07/26/24 13:24	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			07/26/24 13:24	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/26/24 13:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			07/26/24 13:24	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			07/26/24 13:24	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			07/26/24 13:24	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			07/26/24 13:24	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 13:24	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-8326-1
Project/Site: Wingate 2024 Annual GW Sampling

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

Lab Sample ID: MB 885-9273/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 9273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		2.0	0.26	ug/L			07/26/24 13:24	1
2-Butanone	ND		10	2.0	ug/L			07/26/24 13:24	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 13:24	1
2-Hexanone	ND		10	1.8	ug/L			07/26/24 13:24	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			07/26/24 13:24	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			07/26/24 13:24	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			07/26/24 13:24	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			07/26/24 13:24	1
Acetone	ND		10	2.5	ug/L			07/26/24 13:24	1
Benzene	ND		1.0	0.23	ug/L			07/26/24 13:24	1
Bromobenzene	ND		1.0	0.28	ug/L			07/26/24 13:24	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/26/24 13:24	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/26/24 13:24	1
Bromoform	ND		1.0	0.31	ug/L			07/26/24 13:24	1
Bromomethane	ND		3.0	1.0	ug/L			07/26/24 13:24	1
Carbon disulfide	ND		10	1.0	ug/L			07/26/24 13:24	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			07/26/24 13:24	1
Chlorobenzene	ND		1.0	0.46	ug/L			07/26/24 13:24	1
Chloroethane	ND		2.0	0.38	ug/L			07/26/24 13:24	1
Chloroform	ND		1.0	0.25	ug/L			07/26/24 13:24	1
Chloromethane	ND		3.0	0.41	ug/L			07/26/24 13:24	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			07/26/24 13:24	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			07/26/24 13:24	1
Dibromomethane	ND		1.0	0.31	ug/L			07/26/24 13:24	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			07/26/24 13:24	1
Ethylbenzene	ND		1.0	0.21	ug/L			07/26/24 13:24	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			07/26/24 13:24	1
Isopropylbenzene	ND		1.0	0.18	ug/L			07/26/24 13:24	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			07/26/24 13:24	1
Methylene Chloride	ND		3.0	1.2	ug/L			07/26/24 13:24	1
n-Butylbenzene	ND		3.0	0.13	ug/L			07/26/24 13:24	1
N-Propylbenzene	ND		1.0	0.11	ug/L			07/26/24 13:24	1
Naphthalene	ND		2.0	0.24	ug/L			07/26/24 13:24	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			07/26/24 13:24	1
Styrene	ND		1.0	0.14	ug/L			07/26/24 13:24	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			07/26/24 13:24	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			07/26/24 13:24	1
Toluene	ND		1.0	0.25	ug/L			07/26/24 13:24	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			07/26/24 13:24	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			07/26/24 13:24	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			07/26/24 13:24	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			07/26/24 13:24	1
Vinyl chloride	ND		1.0	0.32	ug/L			07/26/24 13:24	1
Xylenes, Total	ND		1.5	0.37	ug/L			07/26/24 13:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*07/26/24 13:24*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*07/26/24 13:24*	*1*

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

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

Lab Sample ID: MB 885-9273/5
Matrix: Water
Analysis Batch: 9273

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		07/26/24 13:24	1
Dibromofluoromethane (Surr)	99		70 - 130		07/26/24 13:24	1

Lab Sample ID: LCS 885-9071/2-A
Matrix: Water
Analysis Batch: 9273

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	17.7		ug/L		88	70 - 130
Benzene	20.1	19.5		ug/L		97	70 - 130
Chlorobenzene	20.1	19.8		ug/L		99	70 - 130
Toluene	20.2	19.2		ug/L		95	70 - 130
Trichloroethene (TCE)	20.2	18.8		ug/L		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Toluene-d8 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130

Lab Sample ID: LCS 885-9273/4
Matrix: Water
Analysis Batch: 9273

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	17.1		ug/L		85	70 - 130
Benzene	20.1	18.9		ug/L		94	70 - 130
Chlorobenzene	20.1	19.4		ug/L		97	70 - 130
Toluene	20.2	19.0		ug/L		94	70 - 130
Trichloroethene (TCE)	20.2	18.4		ug/L		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
Toluene-d8 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130

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

Lab Sample ID: MB 885-8835/1-A
Matrix: Water
Analysis Batch: 8954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		07/22/24 07:05	07/23/24 15:04	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
1,3-Dichlorobenzene	ND		12	11	ug/L		07/22/24 07:05	07/23/24 15:04	1
1,4-Dichlorobenzene	ND		12	10	ug/L		07/22/24 07:05	07/23/24 15:04	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-8326-1
Project/Site: Wingate 2024 Annual GW Sampling

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

Lab Sample ID: MB 885-8835/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 8954
Prep Batch: 8835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		10	8.5	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,4-Dinitrophenol	ND		30	27	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		07/22/24 07:05	07/23/24 15:04	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
2-Chloronaphthalene	ND		10	8.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
2-Chlorophenol	ND		20	11	ug/L		07/22/24 07:05	07/23/24 15:04	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
2-Methylphenol	ND		10	4.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
2-Nitroaniline	ND		10	5.5	ug/L		07/22/24 07:05	07/23/24 15:04	1
2-Nitrophenol	ND		10	4.4	ug/L		07/22/24 07:05	07/23/24 15:04	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		07/22/24 07:05	07/23/24 15:04	1
3-Nitroaniline	ND		20	15	ug/L		07/22/24 07:05	07/23/24 15:04	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		07/22/24 07:05	07/23/24 15:04	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
4-Chloroaniline	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
4-Nitroaniline	ND		5.0	4.5	ug/L		07/22/24 07:05	07/23/24 15:04	1
4-Nitrophenol	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
Acenaphthene	ND		10	7.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
Acenaphthylene	ND		5.0	4.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
Aniline	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 15:04	1
Anthracene	ND		5.0	3.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
Azobenzene	ND		10	3.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzo[a]anthracene	ND		10	6.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzoic acid	ND		20	15	ug/L		07/22/24 07:05	07/23/24 15:04	1
Benzyl alcohol	ND		5.0	4.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		07/22/24 07:05	07/23/24 15:04	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		07/22/24 07:05	07/23/24 15:04	1
Carbazole	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
Chrysene	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 15:04	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
Dibenzofuran	ND		10	4.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
Diethyl phthalate	ND		10	5.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
Dimethyl phthalate	ND		10	5.4	ug/L		07/22/24 07:05	07/23/24 15:04	1

QC Sample Results

Client: Trihydro Corporation
Job ID: 885-8326-1
Project/Site: Wingate 2024 Annual GW Sampling

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

Lab Sample ID: MB 885-8835/1-A
Matrix: Water
Analysis Batch: 8954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		10	5.5	ug/L		07/22/24 07:05	07/23/24 15:04	1
Fluorene	ND		5.0	4.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
Hexachlorobenzene	ND		20	4.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
Hexachlorobutadiene	ND		20	11	ug/L		07/22/24 07:05	07/23/24 15:04	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
Hexachloroethane	ND		20	11	ug/L		07/22/24 07:05	07/23/24 15:04	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
Isophorone	ND		5.0	4.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		07/22/24 07:05	07/23/24 15:04	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		07/22/24 07:05	07/23/24 15:04	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		07/22/24 07:05	07/23/24 15:04	1
Naphthalene	ND		5.0	3.3	ug/L		07/22/24 07:05	07/23/24 15:04	1
Nitrobenzene	ND		5.0	3.6	ug/L		07/22/24 07:05	07/23/24 15:04	1
Pentachlorophenol	ND		20	15	ug/L		07/22/24 07:05	07/23/24 15:04	1
Phenanthrene	ND		5.0	4.8	ug/L		07/22/24 07:05	07/23/24 15:04	1
Phenol	ND		10	3.9	ug/L		07/22/24 07:05	07/23/24 15:04	1
Pyrene	ND		10	5.2	ug/L		07/22/24 07:05	07/23/24 15:04	1
Pyridine	ND		20	2.6	ug/L		07/22/24 07:05	07/23/24 15:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*38*		*15 - 130*	*07/22/24 07:05*	*07/23/24 15:04*	*1*
2-Fluorophenol (Surr)	*47*		*15 - 130*	*07/22/24 07:05*	*07/23/24 15:04*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*15 - 130*	*07/22/24 07:05*	*07/23/24 15:04*	*1*
Nitrobenzene-d5 (Surr)	*53*		*29 - 130*	*07/22/24 07:05*	*07/23/24 15:04*	*1*
2-Fluorobiphenyl (Surr)	*51*		*20 - 130*	*07/22/24 07:05*	*07/23/24 15:04*	*1*
p-Terphenyl-d14 (Surr)	*72*		*41 - 130*	*07/22/24 07:05*	*07/23/24 15:04*	*1*

Lab Sample ID: LCS 885-8835/2-A
Matrix: Water
Analysis Batch: 8954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	100	43.2		ug/L		43	22 - 130
1,4-Dichlorobenzene	100	40.0		ug/L		40	22 - 130
2,4-Dinitrotoluene	100	59.9		ug/L		60	38 - 130
2-Chlorophenol	200	109		ug/L		55	38 - 130
4-Chloro-3-methylphenol	200	112		ug/L		56	42 - 130
4-Nitrophenol	200	84.8		ug/L		42	16 - 130
Acenaphthene	100	57.5		ug/L		58	39 - 130
N-Nitrosodi-n-propylamine	100	55.8		ug/L		56	38 - 130
Pentachlorophenol	200	70.1		ug/L		35	15 - 130
Phenol	200	63.1		ug/L		32	27 - 130
Pyrene	100	66.5		ug/L		67	65 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*35*		*15 - 130*
2-Fluorophenol (Surr)	*44*		*15 - 130*
2,4,6-Tribromophenol (Surr)	*68*		*15 - 130*

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

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

Lab Sample ID: LCS 885-8835/2-A
Matrix: Water
Analysis Batch: 8954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8835

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	48		29 - 130
2-Fluorobiphenyl (Surr)	45		20 - 130
p-Terphenyl-d14 (Surr)	75		41 - 130

Lab Sample ID: LCSD 885-8835/3-A
Matrix: Water
Analysis Batch: 8954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8835

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	100	49.9		ug/L		50	22 - 130	14	42
1,4-Dichlorobenzene	100	50.5		ug/L		50	22 - 130	23	44
2,4-Dinitrotoluene	100	67.1		ug/L		67	38 - 130	11	39
2-Chlorophenol	200	128		ug/L		64	38 - 130	16	65
4-Chloro-3-methylphenol	200	131		ug/L		65	42 - 130	16	48
4-Nitrophenol	200	89.9		ug/L		45	16 - 130	6	55
Acenaphthene	100	68.2		ug/L		68	39 - 130	17	45
N-Nitrosodi-n-propylamine	100	65.5		ug/L		66	38 - 130	16	44
Pentachlorophenol	200	84.6		ug/L		42	15 - 130	19	55
Phenol	200	74.3		ug/L		37	27 - 130	16	49
Pyrene	100	65.6		ug/L		66	65 - 130	1	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	40		15 - 130
2-Fluorophenol (Surr)	50		15 - 130
2,4,6-Tribromophenol (Surr)	76		15 - 130
Nitrobenzene-d5 (Surr)	54		29 - 130
2-Fluorobiphenyl (Surr)	46		20 - 130
p-Terphenyl-d14 (Surr)	73		41 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-8838/10
Matrix: Water
Analysis Batch: 8838

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.25	mg/L			07/20/24 10:40	1
Sulfate	ND		0.50	0.25	mg/L			07/20/24 10:40	1

Lab Sample ID: LCS 885-8838/11
Matrix: Water
Analysis Batch: 8838

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.93		mg/L		99	90 - 110
Sulfate	10.0	9.82		mg/L		98	90 - 110

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-8838/9
Matrix: Water
Analysis Batch: 8838

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.524		mg/L		105	50 - 150
Sulfate	0.500	0.527		mg/L		105	50 - 150

Lab Sample ID: MB 885-8839/10
Matrix: Water
Analysis Batch: 8839

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			07/20/24 10:40	1

Lab Sample ID: LCS 885-8839/11
Matrix: Water
Analysis Batch: 8839

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.54		mg/L		102	90 - 110
Nitrite	1.00	0.969		mg/L		97	90 - 110

Lab Sample ID: MRL 885-8839/9
Matrix: Water
Analysis Batch: 8839

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.0929	J	mg/L		93	50 - 150
Nitrite	0.0999	0.0969	J	mg/L		97	50 - 150

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MRL 885-8963/9
Matrix: Water
Analysis Batch: 8963

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.000500	0.000513		mg/L		103	50 - 150

Lab Sample ID: MB 885-8890/1-A
Matrix: Water
Analysis Batch: 8963

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 8890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.00050	0.000076	mg/L		07/22/24 11:01	07/23/24 08:34	1

Lab Sample ID: LCS 885-8890/4-A
Matrix: Water
Analysis Batch: 8963

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 8890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.0125	0.0125		mg/L		100	85 - 115

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LLCS 885-8890/2-A
Matrix: Water
Analysis Batch: 8963

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 8890

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.000500	0.000490	J	mg/L		98	50 - 150

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-8901/16
Matrix: Water
Analysis Batch: 8901

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.020	0.00074	mg/L			07/22/24 08:43	1
Cadmium	ND		0.0020	0.00083	mg/L			07/22/24 08:43	1
Chromium	ND		0.0060	0.0015	mg/L			07/22/24 08:43	1
Silver	ND		0.0050	0.0012	mg/L			07/22/24 08:43	1
Calcium	ND		1.0	0.089	mg/L			07/22/24 08:43	1
Sodium	ND		1.0	0.30	mg/L			07/22/24 08:43	1

Lab Sample ID: LCS 885-8901/18
Matrix: Water
Analysis Batch: 8901

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.490		mg/L		98	80 - 120
Cadmium	0.500	0.493		mg/L		99	80 - 120
Chromium	0.500	0.483		mg/L		97	80 - 120
Silver	0.500	0.515		mg/L		103	80 - 120
Calcium	50.0	50.6		mg/L		101	80 - 120
Sodium	50.0	49.9		mg/L		100	80 - 120

Lab Sample ID: MRL 885-8901/13
Matrix: Water
Analysis Batch: 8901

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.00200	0.00206		mg/L		103	50 - 150
Cadmium	0.00200	0.00184	J	mg/L		92	50 - 150
Chromium	0.00600	0.00682		mg/L		114	50 - 150
Silver	0.00500	0.00545		mg/L		109	50 - 150
Calcium	0.500	0.494	J	mg/L		99	50 - 150
Sodium	0.500	0.561	J	mg/L		112	50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 885-9234/22
Matrix: Water
Analysis Batch: 9234

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			07/25/24 13:30	1
Lead	ND		0.0010	0.00050	mg/L			07/25/24 13:30	1
Selenium	ND		0.0010	0.00080	mg/L			07/25/24 13:30	1

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: LCS 885-9234/28 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0525		mg/L		105	80 - 120
Lead	0.0500	0.0497		mg/L		99	80 - 120
Selenium	0.0500	0.0564		mg/L		113	80 - 120

Lab Sample ID: LCSD 885-9234/29 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9234

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0504		mg/L		101	80 - 120	4	20
Lead	0.0500	0.0499		mg/L		100	80 - 120	0	20
Selenium	0.0500	0.0540		mg/L		108	80 - 120	4	20

Lab Sample ID: MRL 885-9234/9 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9234

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00100		mg/L		100	70 - 130
Lead	0.00100	0.000979	J	mg/L		98	70 - 130
Selenium	0.00100	0.000998	J	mg/L		100	70 - 130

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-8933/9-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9045 — **Prep Batch: 8933**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		51	50 - 150

Lab Sample ID: MB 885-8934/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9045 — **Prep Batch: 8934**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/22/24 17:20	07/24/24 08:59	1

Lab Sample ID: LCS 885-8934/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9045 — **Prep Batch: 8934**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00528		mg/L		106	85 - 115

QC Sample Results

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LLCS 885-8934/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9045 — **Prep Batch: 8934**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		58	50 - 150

Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-8856/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	25	mg/L			07/22/24 09:06	1

Lab Sample ID: LCS 885-8856/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1020		mg/L		101	80 - 120

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-9023/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			07/23/24 15:52	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			07/23/24 15:52	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			07/23/24 15:52	1

Lab Sample ID: LCS 885-9023/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	79.5		mg/L		94	90 - 110

Lab Sample ID: MRL 885-9023/1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 9023

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	24.2		mg/L		114	50 - 150

QC Association Summary

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

GC/MS VOA

Leach Batch: 9071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-9071/2-A	Lab Control Sample	Total/NA	Water	1311	

Analysis Batch: 9195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total/NA	Water	8260B	
MB 885-9195/5	Method Blank	Total/NA	Water	8260B	
STOBLK 885-9195/27	Method Blank	Total/NA	Water	8260B	
LCS 885-9195/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 9273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total/NA	Water	8260B	
MB 885-9273/5	Method Blank	Total/NA	Water	8260B	
LCS 885-9071/2-A	Lab Control Sample	Total/NA	Water	8260B	9071
LCS 885-9273/4	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 8835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total/NA	Water	3510C	
MB 885-8835/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-8835/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-8835/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 8954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total/NA	Water	8270C	8835
MB 885-8835/1-A	Method Blank	Total/NA	Water	8270C	8835
LCS 885-8835/2-A	Lab Control Sample	Total/NA	Water	8270C	8835
LCSD 885-8835/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	8835

HPLC/IC

Analysis Batch: 8838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total/NA	Water	300.0	
MB 885-8838/10	Method Blank	Total/NA	Water	300.0	
LCS 885-8838/11	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-8838/9	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 8839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total/NA	Water	300.0	
MB 885-8839/10	Method Blank	Total/NA	Water	300.0	
LCS 885-8839/11	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-8839/9	Lab Control Sample	Total/NA	Water	300.0	

QC Association Summary

Client: Trihydro Corporation
Job ID: 885-8326-1
Project/Site: Wingate 2024 Annual GW Sampling

Metals

Prep Batch: 8890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total Recoverable	Water	200.2	
MB 885-8890/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-8890/4-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-8890/2-A	Lab Control Sample	Total Recoverable	Water	200.2	

Analysis Batch: 8901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Dissolved	Water	6010B	
MB 885-8901/16	Method Blank	Total/NA	Water	6010B	
LCS 885-8901/18	Lab Control Sample	Total/NA	Water	6010B	
MRL 885-8901/13	Lab Control Sample	Total/NA	Water	6010B	

Prep Batch: 8933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-8933/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 8934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total/NA	Water	7470A	
MB 885-8934/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-8934/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-8934/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 8963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total Recoverable	Water	200.8	8890
MB 885-8890/1-A	Method Blank	Total Recoverable	Water	200.8	8890
LCS 885-8890/4-A	Lab Control Sample	Total Recoverable	Water	200.8	8890
LLCS 885-8890/2-A	Lab Control Sample	Total Recoverable	Water	200.8	8890
MRL 885-8963/9	Lab Control Sample	Total/NA	Water	200.8	

Analysis Batch: 9045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total/NA	Water	7470A	8934
MB 885-8934/1-A	Method Blank	Total/NA	Water	7470A	8934
LCS 885-8934/3-A	Lab Control Sample	Total/NA	Water	7470A	8934
LLCS 885-8934/2-A	Lab Control Sample	Total/NA	Water	7470A	8934
MRL 885-8933/9-A	Lab Control Sample	Total/NA	Water	7470A	8933

Analysis Batch: 9234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Dissolved	Water	6020A	
MB 885-9234/22	Method Blank	Total/NA	Water	6020A	
LCS 885-9234/28	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-9234/29	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-9234/9	Lab Control Sample	Total/NA	Water	6020A	

QC Association Summary

Client: Trihydro Corporation
Job ID: 885-8326-1
Project/Site: Wingate 2024 Annual GW Sampling

General Chemistry

Analysis Batch: 8845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 8856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total/NA	Water	2540C	
MB 885-8856/1	Method Blank	Total/NA	Water	2540C	
LCS 885-8856/2	Lab Control Sample	Total/NA	Water	2540C	

Analysis Batch: 9023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8326-1	EB-7-16-24	Total/NA	Water	SM 2320B	
MB 885-9023/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-9023/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-9023/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

Client Sample ID: EB-7-16-24

Date Collected: 07/16/24 09:00
Date Received: 07/19/24 07:25

Lab Sample ID: 885-8326-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	9195	CM	EET ALB	07/25/24 22:09
Total/NA	Analysis	8260B		1	9273	CM	EET ALB	07/26/24 19:53
Total/NA	Prep	3510C			8835	JM	EET ALB	07/22/24 07:05
Total/NA	Analysis	8270C		1	8954	SB	EET ALB	07/23/24 20:04
Total/NA	Analysis	300.0		1	8838	JT	EET ALB	07/20/24 16:01
Total/NA	Analysis	300.0		5	8839	JT	EET ALB	07/20/24 23:50
Total Recoverable	Prep	200.2			8890	TM	EET ALB	07/22/24 11:01
Total Recoverable	Analysis	200.8		1	8963	ES	EET ALB	07/23/24 09:05
Dissolved	Analysis	6010B		1	8901	VP	EET ALB	07/22/24 08:49
Dissolved	Analysis	6020A		10	9234	BV	EET ALB	07/25/24 15:07
Total/NA	Prep	7470A			8934	TM	EET ALB	07/22/24 17:20
Total/NA	Analysis	7470A		1	9045	JR	EET ALB	07/24/24 10:32
Total/NA	Analysis	2540C		1	8856	ES	EET ALB	07/22/24 09:06
Total/NA	Analysis	SM 2320B		1	9023	DL	EET ALB	07/23/24 16:22
Total/NA	Analysis	SM 4500 H+ B		1	8845	DL	EET ALB	07/19/24 18:20

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Trihydro Corporation
Job ID: 885-8326-1
Project/Site: Wingate 2024 Annual GW Sampling

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
200.8	200.2	Water	Uranium
2540C		Water	Total Dissolved Solids
300.0		Water	Chloride
300.0		Water	Nitrate Nitrite as N
300.0		Water	Sulfate
6010B		Water	Barium
6010B		Water	Cadmium
6010B		Water	Calcium
6010B		Water	Chromium
6010B		Water	Silver
6010B		Water	Sodium
6020A		Water	Arsenic
6020A		Water	Lead
6020A		Water	Selenium
7470A	7470A	Water	Mercury
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene
8260B		Water	1,2-Dibromo-3-Chloropropane
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone

Accreditation/Certification Summary

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)
8260B		Water	Toluene
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
8270C	3510C	Water	1,2,4-Trichlorobenzene
8270C	3510C	Water	1,2-Dichlorobenzene
8270C	3510C	Water	1,3-Dichlorobenzene
8270C	3510C	Water	1,4-Dichlorobenzene
8270C	3510C	Water	1-Methylnaphthalene
8270C	3510C	Water	2,4,5-Trichlorophenol
8270C	3510C	Water	2,4,6-Trichlorophenol
8270C	3510C	Water	2,4-Dichlorophenol
8270C	3510C	Water	2,4-Dimethylphenol
8270C	3510C	Water	2,4-Dinitrophenol
8270C	3510C	Water	2,4-Dinitrotoluene
8270C	3510C	Water	2,6-Dinitrotoluene

Accreditation/Certification Summary

Client: Trihydro Corporation
Project/Site: Wingate 2024 Annual GW Sampling

Job ID: 885-8326-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	2-Chloronaphthalene
8270C	3510C	Water	2-Chlorophenol
8270C	3510C	Water	2-Methylnaphthalene
8270C	3510C	Water	2-Methylphenol
8270C	3510C	Water	2-Nitroaniline
8270C	3510C	Water	2-Nitrophenol
8270C	3510C	Water	3 & 4 Methylphenol
8270C	3510C	Water	3,3'-Dichlorobenzidine
8270C	3510C	Water	3-Nitroaniline
8270C	3510C	Water	4,6-Dinitro-2-methylphenol
8270C	3510C	Water	4-Bromophenyl phenyl ether
8270C	3510C	Water	4-Chloro-3-methylphenol
8270C	3510C	Water	4-Chloroaniline
8270C	3510C	Water	4-Chlorophenyl phenyl ether
8270C	3510C	Water	4-Nitroaniline
8270C	3510C	Water	4-Nitrophenol
8270C	3510C	Water	Acenaphthene
8270C	3510C	Water	Acenaphthylene
8270C	3510C	Water	Aniline
8270C	3510C	Water	Anthracene
8270C	3510C	Water	Azobenzene
8270C	3510C	Water	Benzo[a]anthracene
8270C	3510C	Water	Benzo[a]pyrene
8270C	3510C	Water	Benzo[b]fluoranthene
8270C	3510C	Water	Benzo[g,h,i]perylene
8270C	3510C	Water	Benzo[k]fluoranthene
8270C	3510C	Water	Benzoic acid
8270C	3510C	Water	Benzyl alcohol
8270C	3510C	Water	bis (2-Chloroisopropyl) ether
8270C	3510C	Water	Bis(2-chloroethoxy)methane
8270C	3510C	Water	Bis(2-chloroethyl)ether
8270C	3510C	Water	Bis(2-ethylhexyl) phthalate
8270C	3510C	Water	Butyl benzyl phthalate
8270C	3510C	Water	Carbazole
8270C	3510C	Water	Chrysene
8270C	3510C	Water	Dibenz(a,h)anthracene
8270C	3510C	Water	Dibenzofuran
8270C	3510C	Water	Diethyl phthalate
8270C	3510C	Water	Dimethyl phthalate
8270C	3510C	Water	Di-n-butyl phthalate
8270C	3510C	Water	Di-n-octyl phthalate
8270C	3510C	Water	Fluoranthene
8270C	3510C	Water	Fluorene
8270C	3510C	Water	Hexachlorobenzene
8270C	3510C	Water	Hexachlorobutadiene
8270C	3510C	Water	Hexachlorocyclopentadiene
8270C	3510C	Water	Hexachloroethane

Accreditation/Certification Summary

Client: Trihydro Corporation
Job ID: 885-8326-1
Project/Site: Wingate 2024 Annual GW Sampling

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	Indeno[1,2,3-cd]pyrene
8270C	3510C	Water	Isophorone
8270C	3510C	Water	Naphthalene
8270C	3510C	Water	Nitrobenzene
8270C	3510C	Water	N-Nitrosodimethylamine
8270C	3510C	Water	N-Nitrosodi-n-propylamine
8270C	3510C	Water	N-Nitrosodiphenylamine
8270C	3510C	Water	Pentachlorophenol
8270C	3510C	Water	Phenanthrene
8270C	3510C	Water	Phenol
8270C	3510C	Water	Pyrene
8270C	3510C	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 4500 H+ B		Water	pH

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3

Chain-of-Custody Record

Client: Marathon Petroleum Company

Mailing Address: 92 Giant Crossing Rd.
Jamestown, NM 87347

Phone #: 970-227-4443

email or Fax#: cfields@trihydro.com

QA/QC Package:
X Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

X EDD (Type)

Turn-Around Time:
☐ Standard X Rush

Project Name:
Wingate 2023 Annual GW Sampling

Project #:
00697-080-004 WRSWL-023-0010

Project Manager:
Caitlin Fields/Beth Butler

Sampler:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-8326 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type		8260-VOC	8270-SVOC	6010-Dissolved Metals	7470 - Mercury	SM2320B - Alkalinity, Total as CaCO3	SM2540C - TDS	9040 - pH	300.0 Chloride, Nitrogen, Nitrite, Sulfate	200.8 Total Uranium
7/16	9:00	water	EB-7-16-24	8		1	X	X	X	X	X	X	X	X	X
		water													
		water													
		water													
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		water													

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
7/18	2:00	Hilario Trejo		Courier	7/19/24	7:25
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Please rush samples

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Trihydro Corporation

Job Number: 885-8326-1

Login Number: 8326
List Number: 1
Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix C. Tier II Data Validation Reports

Tier II Data Validation Report Summary

Client: Marathon Oil	Laboratory: Eurofins Albuquerque
Project Name: Wingate Annual Groundwater Sampling	Sample Matrix: Aqueous
Project Number: WRSWL-023-0010 Task: 0008	Sample Start Date: 06/26/2024
Date Validated: 08/19/2024	Sample End Date: 06/26/2024

Parameters Included:

- Volatile Organic Compounds (VOC) by Environmental Protection Agency (EPA) Test Methods for Evaluating Solid Waste (SW-846) Method 8260B
- Semivolatile Organic Compounds (SVOC) by SW-846 Method 8270C
- Dissolved Metals by EPA Method 6010B and Method 6020A
- Total Dissolved Solids (TDS) by Standard Methods for the Examination of Water and Wastewater (SM) Method 2540C
- Alkalinity by SM Method 2320B
- Anions by EPA Method 300.0
- Total Recoverable Uranium by EPA Method 200.8
- pH by SM Method 4500H+ B
- Total Mercury by SW-846 Method 7470A

Laboratory Project ID: 885-7007-1

Data Validator: Sarah Gordon, Data Validator

Reviewer: Daran O'Hollearn, Lead Project Scientist

DATA EVALUATION CRITERIA SUMMARY

A Tier II Data Validation was performed by Trihydro Corporation's Chemical Data Evaluation Services Group on the analytical data report packages generated by Eurofins Albuquerque of Albuquerque, New Mexico, evaluating samples from the Marathon Oil site, located in Gallup, New Mexico.

Precision, accuracy, method compliance, and completeness of this data package were assessed during this data review. Precision was determined by evaluating the calculated relative percent difference (RPD) values from:

- Field duplicate pairs
- Laboratory duplicate pairs
- Matrix spike (MS) and matrix spike duplicate (MSD) pairs
- Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) pairs

Laboratory accuracy was established by reviewing the demonstrated percent recoveries (%R) of the following items to verify that data are not biased.

- MS/MSD samples
- LCS/LCSD samples
- Organic system monitoring compounds (surrogates)

Tier II Data Validation Report Summary

Field accuracy was established by collecting and analyzing the following samples to monitor for possible ambient or cross contamination during sampling and transportation.

- Trip blanks
- Field blanks
- Equipment blanks

Method compliance was established by reviewing sample integrity, holding times, detection limits, surrogate recoveries, laboratory blanks, initial and continuing calibrations (where applicable), and the LCS/LCSD percent recoveries against method-specific requirements.

Completeness was evaluated by determining the overall ratio of the number of samples and analyses planned versus the number of samples with valid analyses. Determination of completeness included a review of the chain-of-custody (CoC), laboratory analytical methods, and other laboratory and field documents associated with this analytical data set.

SAMPLE NUMBERS TABLE

Client Sample ID	Laboratory Sample Number
EB-6-26-24	885-7007-1
DUP-6-26-24	885-7007-2
Trip Blank	885-7007-3
WMW-1R	885-7007-4
WMW-2	885-7007-5
WMW-4	885-7007-6
WMW-5	885-7007-7
WMW-9	885-7007-8
FB-6-26-24	885-7007-9

Tier II Data Validation Report Summary

The laboratory data were reviewed to evaluate compliance with the methods and the quality of the reported data. Assessment of CoC completeness is included in Item 3 of the Data Validation Checklist. A check mark (✓) indicates that the referenced validation criteria were deemed acceptable, whereas a crossed circle (⊗) indicates validation criteria for which the data have been qualified by the data validator. An empty circle (○) indicates that the specified criterion does not apply to the reviewed data. Details are noted in the tables below.

Validation Criteria

- ✓ Data Completeness
- ⊗ Laboratory Qualifiers (Item 2)
- ✓ CoC Documentation (Item 3)
- ⊗ Holding Times and Preservation (Items 6 and 7)
- ○ Initial and Continuing Calibrations (Items 9 and 10)
- ⊗ Laboratory Blanks (Items 11 and 12)
- ✓ MS/MSD (Items 13 and 14)
- ✓ LCS/LCSD (Items 15 and 16)
- ✓ System Monitoring Compounds (i.e., Surrogates and EIS) (Item 17)
- ⊗ Field, Trip, and Equipment Blanks (Items 18 and 19)
- ✓ Field Duplicates (Items 20 and 21)
- ✓ Laboratory Duplicates (Item 22)

Guidance References

Chemical data validation was conducted in accordance with the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for the analyses listed below, or by the appropriate method if not covered in the National Functional Guidelines.

- Data for organic analyses were evaluated according to validation criteria set forth in the USEPA CLP National Functional Guidelines for Organic Superfund Methods Data Review, document number EPA-540-R-20-005, November 2020.
- Data for inorganic analyses were evaluated according to validation criteria set forth in the USEPA CLP National Functional Guidelines for Inorganic Superfund Methods Data Review, document number EPA-542-R-20-006, November 2020.
- Review of field duplicates was conducted according to the USEPA Region I - New England Environmental Data Review Supplement for Region 1 Data Review Elements and Superfund Specific Guidance/Procedures, EQADR-Supplement2, September 2020.
- Trihydro Data Validation Variance Documentation, March 2024.

Tier II Data Validation Report Summary

OVERALL DATA PACKAGE ASSESSMENT

Based on a data validation review, the data are acceptable as delivered. Data qualified by the laboratory are discussed in Item 2 of the Validation Criteria Checklist.

The purpose of validating data and assigning qualifiers is to assist in proper data interpretation. Data that are not qualified meet the site data quality objectives. If values are assigned qualifiers other than an R (rejected, data not usable), the data may be used for site evaluation; however, consideration should be given to the reasons for qualification when interpreting sample concentrations. Data points that are assigned an R qualifier should not be used for site evaluation purposes.

If applicable, text was identified in **bold font** in the Validation Criteria Checklist to indicate that further action and/or qualification of the data were required. **Blue bold font** represents any value that is used as the basis for qualified data and **red bold font** represents any value that is used as the basis for rejected qualified data. Data may have been qualified with J data flags by the laboratory if the result was greater than or equal to the method detection limit (MDL) but less than the reporting limit (RL). These laboratory-applied J flags were preserved, if present, and included in the Data Qualification Summary table at the end of this report. If applicable, data validation qualifiers were added for the items noted with crossed circles in the Validation Criteria section above. Please see the Data Qualification Summary table at the end of this report for a complete list of samples and analytes qualified.

If data would be qualified with more than one flag, one qualifier was assigned based on the severity; however, all reasons for qualification were retained. Data that would be qualified with both J+ and J- flags were evaluated based on validation criteria and assigned the appropriate flag. The hierarchy of qualifiers from the most to least severe is as follows:

- R > JB/U > NJ > J+/J- > J/UJ

Data qualifiers used during this validation are included in the following table.

Qualifier	Definition
J	Estimated concentration
U	Evaluated to be undetected at the reporting limit

Data Completeness

The analyses were performed as requested on the CoC records. The associated samples were received by the laboratory and analyzed properly unless otherwise noted in the Criteria Checklist below. The complete data package consisted of 930 data points. The data completeness calculation does not include any submitted blank sample results. Data points were not rejected. The data completeness measure for this data package is calculated to be 100% and is acceptable.

VALIDATION CRITERIA CHECKLIST

1. Was the report free of non-conformances identified by the laboratory? No

Comments: The laboratory noted the following analytical non-conformances and notes related to this data set.

Method 8270C: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: WMW-5 (885-7007-7). These results have been reported and qualified.

2. Were the data free of data qualification flags and/or notes used by the laboratory? If no, define. No

Comments: The laboratory used the following data qualification flags with this data set.

J − Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. **Analytical results with J laboratory flags were assigned J qualifiers to indicate estimated concentrations.**

D – Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

S1- − Surrogate recovery exceeds control limits, low biased.

HF − Parameter with a holding time of 15 minutes. Test performed by laboratory at project personnel's request. Sample was analyzed outside of hold time.

3. Were sample CoC forms and custody procedures complete? No

Comments: The CoC records from field to laboratory were complete, and custody was maintained as evidenced by field and laboratory personnel signatures, dates, and times of receipt. The laboratory noted that the shipping containers were sealed, and custody seals were present and intact on the shipping containers.

The number of containers listed on the CoC did not match the actual container count. Sufficient sample volume was received to perform the requested analyses, and validation action was not required.

4. Were detection limits in accordance with the quality assurance project plan (QAPP), permit, or method, or indicated as acceptable? Yes

Comments: The reporting limits for the analyses were reviewed and appeared to be acceptable. Dilutions were applied for the analyses of individual samples to maintain instrument responses within defined calibration limits and due to potential interferences from the sample matrix..

5. Were the reported analytical methods and constituents in compliance with the QAPP, permit, or CoC? No

Comments: The reported analytical methods were in compliance with the CoC, and the laboratory reported the requested constituents in accordance with the CoC, with the following exception.

The CoC requested pH using Method 9040; however, the laboratory analyzed the samples using Method 4500H+ B. This substituted analytical method met similar sensitivity, accuracy, and precision goals and therefore, was an acceptable replacement.

6. Were samples received in good condition within method-specified requirements? Yes

Comments: Samples were received on ice, in good condition, and with the cooler temperatures within the recommended temperature range of 4°C ± 2°C at 2.9°C and 5.0°C as noted on the CoC and in the Case Narrative.

7. Were samples extracted/digested and analyzed within method-specified or technical holding times? No

Comments: The samples were extracted/digested and analyzed within method-specific holding times, with the following exception.

Method 4500H+ B: **The samples were analyzed for pH outside the method-specific holding time of 15 minutes. The pH results were qualified as J to indicate estimated values.**

VALIDATION CRITERIA CHECKLIST

8. Were reported units appropriate for the sample matrix/matrices and analytical method(s)? Specify if wet or dry units were used for soil. Yes

Comments: The results were reported in concentration units of micrograms per liter (µg/L), milligrams per liter (mg/L), and pH standard units (SU), which were acceptable for the sample matrix and the analyses requested.

9. Did the laboratory provide any specific initial and/or continuing calibration results? No

Comments: Initial and continuing calibration data were not included as part of this data set.

10. If initial and/or continuing calibration results were provided, were the results within acceptable limits? N/A

Comments: Initial and continuing calibration data were not included as part of this data set.

11. Was the total number of laboratory blank samples prepared equal to at least 5% of the total number of samples or analyzed as required by the method? Yes

Comments: The number of laboratory blank samples prepared was equal to at least 5% of the total number of samples.

12. Were target analytes reported as not detected in the laboratory blanks? No

Comments: Target analytes were reported as not detected in the laboratory blanks, with the following exception.

Isopropylbenzene was detected in the laboratory blank for Method 8260B batch 8068 at a concentration of 0.212 µg/L. Results for isopropylbenzene in the associated samples that were less than the blank concentration and/or the laboratory reporting limit were assigned U qualifiers. Non-detections of isopropylbenzene in the associated samples and results greater than 10 times the blank detections did not require qualification.

13. Was the total number of MS samples prepared equal to at least 5% of the total number of samples or analyzed as required by the method? Yes

Comments: The total number of matrix spike samples prepared was equal to at least 5% of the total number of samples, although MS samples were not prepared/reported for all analyses and/or batches. The matrix spike sample source for each analytical batch in this sample set has been indicated below.

Method	Analyte(s)	Analysis Batch	Prep Batch	MS Sample Source
8260B	VOC	8068	-----	WMW-4
8260B	VOC	8193	-----	Not Prepared
8270C	SVOC	8534	7570	Not Prepared
300.0	Anions	7495	-----	EB-6-26-24
300.0	Anions	7496	-----	EB-6-26-24
200.8	Total Uranium	7836	7594	EB-6-26-24
6010B	Dissolved Metals	7818	-----	Not Prepared
6020A	Dissolved Metals	8809	8531	Not Prepared
6020A	Dissolved Metals	8837	-----	Not Prepared
6020A	Dissolved Metals	9029	-----	Not Prepared
7470A	Total Mercury	8266	8087	Not Prepared
2540C	TDS	7767	-----	Not Prepared
2320B	Alkalinity	8149	-----	Not Prepared
2320B	Alkalinity	8150	-----	Not Prepared
4500H+ B	pH	8153	-----	Not Prepared
4500H+ B	pH	8154	-----	Not Prepared

Not Prepared – Matrix spikes were not prepared for this batch.

VALIDATION CRITERIA CHECKLIST

14. For MS/MSDs prepared from project samples, were percent recoveries and RPDs within data validation or laboratory quality control (QC) limits? Yes

Comments: The MS and MSD percent recoveries and RPDs were within data validation and laboratory quality control limits.

15. Was the total number of LCSs analyzed equal to at least 5% of the total number of samples or analyzed as required by the method? Yes

Comments: The total number of LCS samples analyzed was equal to at least 5% of the total number of samples.

16. Were LCS/LCSD percent recoveries and LCS/LCSD RPDs within data validation or laboratory QC limits? Yes

Comments: The LCS and LCSD percent recoveries and RPDs were within laboratory and data validation QC limits.

17. Were surrogate recoveries within laboratory QC limits? No

Comments: Surrogate recoveries were within laboratory QC limits, with the following exceptions.

Since Method 8270C surrogate associations were not available from the laboratory, qualification was assigned to all of the target analytes in a given acid or base/neutral fraction when two or more surrogates from the same fraction were outside the acceptance range. This condition did not exist for the sample WMW-5, and qualification of sample data was not required.

The SVOC results for samples DUP-6-26-24, WMW-1R, and WMW-2, were not qualified based on the surrogate non-conformances in the Method 8270C analyses since the applied dilutions of 10 times resulted in surrogate concentrations below routinely calibrated levels, and those results were deemed unreliable and possibly inaccurate.

18. Were the number of trip blank, field blank, and/or equipment blank samples collected equal to at least 10% of the total number of samples or as required by the project guidelines, QAPP, SAP, or permit? Yes

Comments: The number of trip, field, and equipment blanks collected was equal to at least 10% of the number of samples. One trip blank, Trip Blank, one equipment blank, EB-6-26-24, and one field blank, FB-6-26-24, were collected as part of this sample set.

19. Were target analytes reported as not detected in the trip blank, field blank, and/or equipment blank samples? No

Comments: Target analytes were not detected in the trip, field, and equipment blank samples, with the following exceptions.

Blank Sample ID	Method	Analyte	Concentration (µg/L)
EB-6-26-24	8260B	1,2,4-Trimethylbenzene	0.33
EB-6-26-24	8260B	Ethylbenzene	0.21
EB-6-26-24	8260B	Isopropylbenzene	0.21
EB-6-26-24	8260B	Naphthalene	0.26
EB-6-26-24	8260B	n-Propylbenzene	0.25
EB-6-26-24	8260B	Xylenes, Total	0.71
Trip Blank	**8260B**	**Naphthalene**	**0.25**
Trip Blank	**8260B**	**n-Propylbenzene**	**0.25**
FB-6-26-24	**8260B**	**1,2,4-Trimethylbenzene**	**0.34**
FB-6-26-24	**8260B**	**Acetone**	**4.1**
FB-6-26-24	**8260B**	**Ethylbenzene**	**0.21**
FB-6-26-24	8260B	Naphthalene	0.26

VALIDATION CRITERIA CHECKLIST

Blank Sample ID	Method	Analyte	Concentration (µg/L)
FB-6-26-24	**8260B**	**Xylenes, Total**	**0.72**

Detections of the identified analytes in the associated samples that were less than the blank results or less than the applicable reporting limits were assigned U qualifiers. Non-detections of the identified analytes in the associated samples and detections that were above the reporting limit and greater than 10 times the blank concentration did not require qualification.

Isopropylbenzene was previously qualified for method blank detection and did not require qualification due to the equipment blank detection.

20. Was the number of field duplicates collected equal to at least 10% of the total number of samples or as required by the project guidelines, QAPP, SAP, or permit? Yes

Comments: The number of field duplicates collected was equal to at least 10% of the number of samples. Sample DUP-6-26-24 was collected as a field duplicate of sample WMW-1R.

21. Were field duplicate RPD values within data validation QC limits (soil 0-50%, water 0-30%, or air 0-25%)? Yes

Comments: As indicated in the Field Duplicate Summary Table at the end of this report, field duplicate RPD values were within data validation QC limits of 0-30% for water samples.

22. For laboratory duplicates prepared from project samples, were RPDs within data validation or laboratory QC limits? Yes

Comments: Laboratory duplicates were prepared as summarized in the table below.

Method	Analyte	Batch	Duplicate Sample Source
2540C	TDS	7767	EB-6-26-24
2320B	Alkalinity	8150	DUP-6-26-24
4500H+ B	pH	8154	DUP-6-26-24

The reported RPDs for laboratory duplicates prepared from project samples were within laboratory acceptance limits or were not calculated due to non-detected results.

23. Were the following data relationships realistic?

- Target analytes were reported by more than one method (e.g., 8260/8270, EPH/8270)? Yes

Comments: Results for 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1-methylnapthalene, 2-methylnaphthalene, hexachlorobutadiene, and naphthalene were reported by both Method 8260B and Method 8270C for the submitted samples.

The EPA has not provided guidance or requirements for the evaluation, validation, and qualification of analytes analyzed by more than one method. Therefore, qualification of results was not performed based on these data.

- Both total and dissolved metals analyses were performed, and the total metals results were greater than or equal to the dissolved metals results? N/A

Comments: No metal analyte was analyzed for both total and dissolved metals fractions.

FIELD DUPLICATE SUMMARY

Client Sample ID: MWM-1R Field Duplicate Sample ID: DUP-6-26-24				
Analyte	**Method**	**Laboratory Result**	**Duplicate Result**	**Relative Percent Difference (RPD)**
Uranium, Total Recoverable	200.8	0.0035 mg/L	0.0036 mg/L	2.8% +/-RL
Alkalinity	2320B	170 mg/L	170 mg/L	0.0%
Bicarbonate	2320B	170 mg/L	170 mg/L	0.0%
Solids, Total Dissolved	2540C	760 mg/L	760 mg/L	0.0%
Chloride	300.0	82 mg/L	81 mg/L	1.2%
Nitrogen, Nitrate & Nitrite	300.0	0.53 mg/L	0.54 mg/L	1.9% +/-RL
Sulfate	300.0	220 mg/L	220 mg/L	0.0%
pH, Laboratory	4500H+ B	7.7 SU	7.7 SU	0.0%
Barium, Dissolved	6010B	0.067 mg/L	0.063 mg/L	6.2% +/-RL
Calcium, Dissolved	6010B	68 mg/L	67 mg/L	1.5%
Silver, Dissolved	6010B	0.0014 mg/L	0.0012 mg/L	15.4% +/-RL
Sodium, Dissolved	6010B	140 mg/L	150 mg/L	6.9%
Arsenic, Dissolved	6020A	0.018 mg/L	0.023 mg/L	24.4% +/-RL
Acetone	8260B	ND (20 µg/L)	5.3 µg/L	DL
n-Propylbenzene	8260B	ND (2.0 µg/L)	0.50 µg/L	DL
Naphthalene	8260B	ND (4.0 µg/L)	0.49 µg/L	DL
Xylenes, Total	8260B	0.90 µg/L	0.92 µg/L	2.2% +/-RL

Field duplicate RPD control limits are not to exceed 30% for water, as established by USEPA Region I - New England Environmental Data Review Supplement for Region 1 Data Review Elements and Superfund Specific Guidance/Procedures, EQADR-Supplement2, September 2020.

DL – Indicates that the analyte was detected in one of the duplicate samples and was undetected in the other sample, and therefore an RPD could not be calculated. Data were not qualified since the detection was within five times the reporting limit. Non-detected results are indicated above with the applicable reporting limit as ND (RL).

+/-RL – Indicates that the detections in one or both of the samples were within five times the reporting limit. The difference between the results was within data validation limits. Qualification of data was not required.

DATA QUALIFICATION SUMMARY

Abbreviation	Reason
FBD	Field blank detection
HT-AN	Sample was analyzed outside of the holding time.
MBD	Method blank detection
MDLRL	Flagged by the laboratory: The result was greater than the MDL but less than the RL.
TBD	Trip blank detection

Analyte	Method	Field Sample ID	Lab Sample ID	Result	Limit	Units	Reviewer Qualifier	DV Flag Reasons
1,2,4-Trimethylbenzene	SW 8260B	EB-6-26-24	885-7007-1	0.33	1.0	µg/L	U	FBD, MDLRL
1,2,4-Trimethylbenzene	SW 8260B	WMW-2	885-7007-5	31	50	µg/L	U	FBD, MDLRL
1,2,4-Trimethylbenzene	SW 8260B	WMW-4	885-7007-6	0.33	1.0	µg/L	U	FBD, MDLRL
1,2,4-Trimethylbenzene	SW 8260B	WMW-9	885-7007-8	22	50	µg/L	U	FBD, MDLRL
1,2,4-Trimethylbenzene	SW 8260B	FB-6-26-24	885-7007-9	0.34	1.0	µg/L	J	MDLRL
1,3,5-Trimethylbenzene	SW 8260B	WMW-9	885-7007-8	18	50	µg/L	J	MDLRL
2-Chlorotoluene	SW 8260B	WMW-4	885-7007-6	0.16	1.0	µg/L	J	MDLRL
4-Chlorotoluene	SW 8260B	WMW-4	885-7007-6	0.21	1.0	µg/L	J	MDLRL
4-Chlorotoluene	SW 8260B	WMW-9	885-7007-8	10	50	µg/L	J	MDLRL
Acetone	SW 8260B	DUP-6-26-24	885-7007-2	5.3	20	µg/L	U	FBD, MDLRL
Acetone	SW 8260B	FB-6-26-24	885-7007-9	4.1	10	µg/L	J	MDLRL
Arsenic, Dissolved	SW 6020A	WMW-1R	885-7007-4	0.018	0.020	mg/L	J	MDLRL
Arsenic, Dissolved	SW 6020A	WMW-9	885-7007-8	0.014	0.020	mg/L	J	MDLRL
Barium, Dissolved	SW 6010B	WMW-5	885-7007-7	0.002	0.020	mg/L	J	MDLRL
Ethylbenzene	SW 8260B	EB-6-26-24	885-7007-1	0.21	1.0	µg/L	J	MDLRL
Ethylbenzene	SW 8260B	FB-6-26-24	885-7007-9	0.21	1.0	µg/L	U	FBD, MDLRL
Isopropylbenzene	SW 8260B	EB-6-26-24	885-7007-1	0.21	1.0	µg/L	U	MBD, MDLRL
Isopropylbenzene	SW 8260B	WMW-2	885-7007-5	14	50	µg/L	U	MBD, MDLRL

Analyte	Method	Field Sample ID	Lab Sample ID	Result	Limit	Units	Reviewer Qualifier	DV Flag Reasons
Isopropylbenzene	SW 8260B	WMW-4	885-7007-6	0.22	1.0	µg/L	U	MBD, MDLRL
Isopropylbenzene	SW 8260B	WMW-5	885-7007-7	0.21	1.0	µg/L	U	MBD, MDLRL
Isopropylbenzene	SW 8260B	WMW-9	885-7007-8	14	50	µg/L	U	MBD, MDLRL
n-Propylbenzene	SW 8260B	EB-6-26-24	885-7007-1	0.25	1.0	µg/L	U	MDLRL, TBD
n-Propylbenzene	SW 8260B	DUP-6-26-24	885-7007-2	0.50	2.0	µg/L	U	MDLRL, TBD
n-Propylbenzene	SW 8260B	Trip Blank	885-7007-3	0.25	1.0	µg/L	J	MDLRL
n-Propylbenzene	SW 8260B	WMW-2	885-7007-5	14	50	µg/L	U	MDLRL, TBD
n-Propylbenzene	SW 8260B	WMW-9	885-7007-8	14	50	µg/L	U	MDLRL, TBD
Naphthalene	SW 8260B	EB-6-26-24	885-7007-1	0.26	2.0	µg/L	U	MDLRL, TBD
Naphthalene	SW 8260B	DUP-6-26-24	885-7007-2	0.49	4.0	µg/L	U	MDLRL, TBD
Naphthalene	SW 8260B	Trip Blank	885-7007-3	0.25	2.0	µg/L	J	MDLRL
Naphthalene	SW 8260B	WMW-2	885-7007-5	27	100	µg/L	U	MDLRL, TBD
Naphthalene	SW 8260B	WMW-5	885-7007-7	0.24	2.0	µg/L	U	MDLRL, TBD
Naphthalene	SW 8260B	WMW-9	885-7007-8	18	100	µg/L	U	MDLRL, TBD
Naphthalene	SW 8260B	FB-6-26-24	885-7007-9	0.26	2.0	µg/L	U	MDLRL, TBD
Nitrogen, Nitrate & Nitrite	E 300_OF_48H_PREC	DUP-6-26-24	885-7007-2	0.54	2.0	mg/L	J	MDLRL
Nitrogen, Nitrate & Nitrite	E 300_OF_48H_PREC	WMW-1R	885-7007-4	0.53	2.0	mg/L	J	MDLRL
Nitrogen, Nitrate & Nitrite	E 300_OF_48H_PREC	WMW-2	885-7007-5	0.92	2.0	mg/L	J	MDLRL
p-Isopropyltoluene	SW 8260B	WMW-2	885-7007-5	16	50	µg/L	J	MDLRL
pH, Laboratory	SM 4500 H+ B	EB-6-26-24	885-7007-1	5.4	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500 H+ B	DUP-6-26-24	885-7007-2	7.7	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500 H+ B	WMW-1R	885-7007-4	7.7	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500 H+ B	WMW-2	885-7007-5	7.6	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500 H+ B	WMW-4	885-7007-6	8.0	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500 H+ B	WMW-5	885-7007-7	7.6	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500 H+ B	WMW-9	885-7007-8	8.1	0.1	SU	J	HT-AN

Analyte	Method	Field Sample ID	Lab Sample ID	Result	Limit	Units	Reviewer Qualifier	DV Flag Reasons
sec-Butylbenzene	SW 8260B	WMW-2	885-7007-5	14	50	µg/L	J	MDLRL
sec-Butylbenzene	SW 8260B	WMW-9	885-7007-8	14	50	µg/L	J	MDLRL
Silver, Dissolved	SW 6010B	DUP-6-26-24	885-7007-2	0.0012	0.0050	mg/L	J	MDLRL
Silver, Dissolved	SW 6010B	WMW-1R	885-7007-4	0.0014	0.0050	mg/L	J	MDLRL
Silver, Dissolved	SW 6010B	WMW-5	885-7007-7	0.0035	0.0050	mg/L	J	MDLRL
Uranium, Total Recoverable	E 200.8	WMW-2	885-7007-5	0.0022	0.0025	mg/L	J	MDLRL
Xylenes, Total	SW 8260B	EB-6-26-24	885-7007-1	0.71	1.5	µg/L	J	MDLRL
Xylenes, Total	SW 8260B	DUP-6-26-24	885-7007-2	0.92	3.0	µg/L	U	FBD, MDLRL
Xylenes, Total	SW 8260B	WMW-1R	885-7007-4	0.90	3.0	µg/L	U	FBD, MDLRL
Xylenes, Total	SW 8260B	WMW-4	885-7007-6	0.71	1.5	µg/L	U	FBD, MDLRL
Xylenes, Total	SW 8260B	WMW-5	885-7007-7	0.45	1.5	µg/L	U	FBD, MDLRL
Xylenes, Total	SW 8260B	FB-6-26-24	885-7007-9	0.72	1.5	µg/L	J	MDLRL

Tier II Data Validation Report Summary

Client: Marathon Oil	Laboratory: Eurofins Albuquerque
Project Name: Wingate 2024 Annual Sampling	Sample Matrix: Aqueous
Project Number: WRSWL-023-0010 Task: 0008	Sample Start Date: 06/27/2024
Date Validated: 08/14/2024	Sample End Date: 06/27/2024

Parameters Included:

- Volatile Organic Compounds (VOC) by Environmental Protection Agency (EPA) Test Methods for Evaluating Solid Waste (SW-846) Method 8260B
- Semivolatile Organic Compounds (SVOC) by SW-846 Method 8270C
- Dissolved Metals by SW-846 Method 6010B and Method 6020A
- Total Mercury by SW-846 Method 7470A
- Total Uranium by EPA Method 200.8
- Anions by EPA Method 300.0
- Total Dissolved Solids (TDS) by Standard Methods for the Examination of Water and Wastewater (SM) Method 2540C
- Alkalinity by SM Method 2320B
- pH by SM Method 4500H+ B

Laboratory Project ID: 885-7096-1

Data Validator: Daran O'Hollearn, Lead Project Scientist

Reviewer: James Garcia, Sr. Environmental Chemist

DATA EVALUATION CRITERIA SUMMARY

A Tier II Data Validation was performed by Trihydro Corporation's Chemical Data Evaluation Services Group on the analytical data report packages generated by Eurofins Albuquerque of Albuquerque, New Mexico, evaluating samples from the Marathon Oil site, located in Gallup, New Mexico.

Precision, accuracy, method compliance, and completeness of this data package were assessed during this data review. Precision was determined by evaluating the calculated relative percent difference (RPD) values from:

- Field duplicate pairs
- Matrix spike (MS) and matrix spike duplicate (MSD) pairs
- Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) pairs

Laboratory accuracy was established by reviewing the demonstrated percent recoveries (%R) of the following items to verify that data are not biased.

- MS/MSD samples
- LCS/LCSD samples
- Organic system monitoring compounds (surrogates)

Tier II Data Validation Report Summary

Field accuracy was established by collecting and analyzing the following samples to monitor for possible ambient or cross contamination during sampling and transportation.

- Trip blanks
- Field blanks
- Equipment blanks

Method compliance was established by reviewing sample integrity, holding times, detection limits, surrogate recoveries, laboratory blanks, initial and continuing calibrations (where applicable), and the LCS/LCSD percent recoveries against method-specific requirements.

Completeness was evaluated by determining the overall ratio of the number of samples and analyses planned versus the number of samples with valid analyses. Determination of completeness included a review of the chain-of-custody (CoC), laboratory analytical methods, and other laboratory and field documents associated with this analytical data set.

SAMPLE NUMBERS TABLE

Client Sample ID	Laboratory Sample Number
EB-6-27-24	885-7096-1
WMW-10	885-7096-2
WMW-7	885-7096-3
WMW-11	885-7096-4
FB-6-27-24	885-7096-5
DUP-6-27-24	885-7096-6
Trip Blank	885-7096-7

Tier II Data Validation Report Summary

The laboratory data were reviewed to evaluate compliance with the methods and the quality of the reported data. Assessment of CoC completeness is included in Item 3 of the Data Validation Checklist. A check mark (✓) indicates that the referenced validation criteria were deemed acceptable, whereas a crossed circle (⊗) indicates validation criteria for which the data have been qualified by the data validator. An empty circle (○) indicates that the specified criterion does not apply to the reviewed data. Details are noted in the tables below.

Validation Criteria

- ✓ Data Completeness
- ⊗ Laboratory Qualifiers (Item 2)
- ✓ CoC Documentation (Item 3)
- ⊗ Holding Times and Preservation (Items 6 and 7)
- ○ Initial and Continuing Calibrations (Items 9 and 10)
- ✓ Laboratory Blanks (Items 11 and 12)
- ✓ MS/MSD (Items 13 and 14)
- ✓ LCS/LCSD (Items 15 and 16)
- ✓ System Monitoring Compounds (i.e., Surrogates) (Item 17)
- ✓ Trip, Field, and Equipment Blanks(Items 18 and 19)
- ✓ Field Duplicates (Items 20 and 21)
- ○ Laboratory Duplicates (Item 22)

Guidance References

Chemical data validation was conducted in accordance with the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for the analyses listed below, or by the appropriate method if not covered in the National Functional Guidelines.

- Data for organic analyses were evaluated according to validation criteria set forth in the USEPA CLP National Functional Guidelines for Organic Superfund Methods Data Review, document number EPA-540-R-20-005, November 2020.
- Data for inorganic analyses were evaluated according to validation criteria set forth in the USEPA CLP National Functional Guidelines for Inorganic Superfund Methods Data Review, document number EPA-542-R-20-006, November 2020.
- Review of field duplicates was conducted according to the USEPA Region I - New England Environmental Data Review Supplement for Region 1 Data Review Elements and Superfund Specific Guidance/Procedures, EQADR-Supplement2, September 2020.
- Trihydro Data Validation Variance Documentation, March 2024.

Tier II Data Validation Report Summary

OVERALL DATA PACKAGE ASSESSMENT

Based on a data validation review, the data are acceptable as delivered. Data qualified by the laboratory are discussed in Item 2 of the Validation Criteria Checklist.

The purpose of validating data and assigning qualifiers is to assist in proper data interpretation. Data that are not qualified meet the site data quality objectives. If values are assigned qualifiers other than an R (rejected, data not usable), the data may be used for site evaluation; however, consideration should be given to the reasons for qualification when interpreting sample concentrations. Data points that are assigned an R qualifier should not be used for site evaluation purposes.

If applicable, text was identified in **bold font** in the Validation Criteria Checklist to indicate that further action and/or qualification of the data were required. **Blue bold font** represents any value that is used as the basis for qualified data and **red bold font** represents any value that is used as the basis for rejected qualified data. Data may have been qualified with J data flags by the laboratory if the result was greater than or equal to the method detection limit (MDL) but less than the reporting limit (RL). These laboratory-applied J flags were preserved, if present, and included in the Data Qualification Summary table at the end of this report. If applicable, data validation qualifiers were added for the items noted with crossed circles in the Validation Criteria section above. Please see the Data Qualification Summary table at the end of this report for a complete list of samples and analytes qualified.

If data would be qualified with more than one flag, one qualifier was assigned based on the severity; however, all reasons for qualification were retained. Data that would be qualified with both J+ and J- flags were evaluated based on validation criteria and assigned the appropriate flag. The hierarchy of qualifiers from the most to least severe is as follows:

- R > JB/U > NJ > J+/J- > J/UJ

Data qualifiers used during this validation are included in the following table.

Qualifier	Definition
J	Estimated concentration

Data Completeness

The analyses were performed as requested on the CoC records. The associated samples were received by the laboratory and analyzed properly unless otherwise noted in the Criteria Checklist below. The complete data package consisted of 530 data points. The data completeness calculation does not include any submitted blank sample results. Data points were not rejected. The data completeness measure for this data package is calculated to be 100% and is acceptable.

VALIDATION CRITERIA CHECKLIST	
1. Was the report free of non-conformances identified by the laboratory?	Yes
Comments: The laboratory noted the following analytical non-conformances related to this data set. Method 8270C: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: DUP-6-27-24 (885-7096-6). These results have been reported and qualified. Method 300.0: Reanalysis of the following samples were performed outside of the analytical holding time due to QC failure: WMW-7 (885-7096-3) and DUP-6-27-24 (885-7096-6).	
2. Were the data free of data qualification flags and/or notes used by the laboratory? If no, define.	No
Comments: The laboratory used the following data qualification flags with this data set. D – Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D. H – Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements. *The laboratory applied this qualifier to the nitrate + nitrite results by Method 300.0. Since this is a combined result qualification of data was not required.* HF – Parameter with a holding time of 15 minutes. Sample was analyzed outside of hold time. J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. **Analytical results with this laboratory flag were assigned J qualifiers based on the information in this definition.** S1- – Surrogate recovery exceeds control limits, low biased.	
3. Were sample CoC forms and custody procedures complete?	Yes
Comments: The CoC records from field to laboratory were complete, and custody was maintained as evidenced by field and laboratory personnel signatures, dates, and times of receipt. The laboratory noted that the shipping containers were sealed, and custody seals were present and intact on the shipping containers.	
4. Were detection limits in accordance with the quality assurance project plan (QAPP), permit, or method, or indicated as acceptable?	Yes
Comments: The reporting limits for the analyses were reviewed and appeared to be acceptable. Dilutions were applied for the analyses of individual samples to maintain instrument responses within defined calibration limits and due to potential interferences from the sample matrix.	
5. Were the reported analytical methods and constituents in compliance with the QAPP, permit, or CoC?	Yes
Comments: The reported analytical methods were in compliance with the CoC, and the laboratory reported the requested constituents in accordance with the CoC.	
6. Were samples received in good condition within method-specified requirements?	Yes
Comments: Samples were received on ice, in good condition, and with the cooler temperature within the recommended temperature range of 4°C ± 2°C at 4.9°C as noted in the Case Narrative.	
7. Were samples extracted/digested and analyzed within method-specified or technical holding times?	No
Comments: The samples were extracted/digested and analyzed within method-specific holding times, with the following exceptions. Method 4500H+ B: **The samples were analyzed for pH outside the method-specific holding time of 15 minutes. The pH results were qualified as J to indicate estimated values.**	

VALIDATION CRITERIA CHECKLIST

8. Were reported units appropriate for the sample matrix/matrices and analytical method(s)? Specify if wet or dry units were used for soil. Yes

Comments: The results were reported in concentration units of micrograms per liter (µg/L), milligrams per liter (mg/L), and pH Standard Units (SU), which were acceptable for the sample matrix and the analyses requested.

9. Did the laboratory provide any specific initial and/or continuing calibration results? No

Comments: Initial and continuing calibration data were not included as part of this data set.

10. If initial and/or continuing calibration results were provided, were the results within acceptable limits? N/A

Comments: Initial and continuing calibration data were not included as part of this data set.

11. Was the total number of laboratory blank samples prepared equal to at least 5% of the total number of samples or analyzed as required by the method? Yes

Comments: The number of laboratory blank samples prepared was equal to at least 5% of the total number of samples.

12. Were target analytes reported as not detected in the laboratory blanks? No

Comments: Target analytes were reported as not detected in the laboratory blanks, with the following exception.

1,1,1-Trichloroethane was detected in the laboratory blank for Method 8260B batch 8161 at a concentration of 0.140 µg/L. The associated sample results were non-detections, and qualification was not required.

13. Was the total number of MS samples prepared equal to at least 5% of the total number of samples or analyzed as required by the method? Yes

Comments: The total number of matrix spike samples prepared was equal to at least 5% of the total number of samples, although MS samples were not prepared for all analyses and/or batches. The matrix spike sample source for each analytical batch in this sample set has been indicated below.

Method	Analytes	Analysis Batch	Prep Batch	MS Sample Source
200.8	Total Uranium	8055	7697	EB-6-27-24
300.0	Chloride and Sulfate	7601	-----	EB-6-27-24
300.0	Sulfate	7847	-----	Not Prepared
300.0	Nitrate + Nitrite	7602	-----	EB-6-27-24
300.0	Nitrate + Nitrite	7848	-----	Not Prepared
2320B	Alkalinity	8150	-----	Not Prepared
2320B	Alkalinity	8249	-----	Not Prepared
2540C	TDS	7867	-----	Not Prepared
4500H+ B	pH	8154	-----	Not Prepared
6010B	Dissolved Metals	7818	-----	Not Prepared
6020A	Dissolved Metals	8837	-----	Not Prepared
6020A	Dissolved Metals	9029	-----	Not Prepared
6020A	Dissolved Metals	8809	8531	Not Prepared
7470A	Total Mercury	8266	8087	Not Prepared
8260B	VOCs	8074	-----	Not Prepared
8260B	VOCs	8161	-----	Not Prepared
8270C	SVOCs	8220	7777	Not Prepared

Not Prepared – Matrix spikes were not prepared for this batch.

VALIDATION CRITERIA CHECKLIST

14. For MS/MSDs prepared from project samples, were percent recoveries and RPDs within data validation or laboratory quality control (QC) limits? Yes

Comments: The percent recoveries and RPDs for MS/MSDs prepared from project samples were within data validation and laboratory QC limits.

15. Was the total number of LCSs analyzed equal to at least 5% of the total number of samples or analyzed as required by the method? Yes

Comments: The total number of LCS samples analyzed was equal to at least 5% of the total number of samples.

16. Were LCS/LCSD percent recoveries and LCS/LCSD RPDs within data validation or laboratory QC limits? Yes

Comments: The LCS and LCSD percent recoveries and LCS/LCSD RPD values were within laboratory QC limits.

17. Were surrogate recoveries within laboratory QC limits? No

Comments: Surrogate recoveries were within QC limits, with the following exceptions.

The SVOC results for sample WMW-10 were not qualified based on the surrogate non-conformances in the Method 8270C analysis since the applied dilution of 10 times resulted in surrogate concentrations below routinely calibrated levels and those results were deemed unreliable and possibly inaccurate.

Method 8270C surrogate qualification was assigned to the target analytes in a given fraction (acid or base/neutral) when two or more surrogates from the same fraction (acid or base/neutral) were outside the acceptance range. This condition did not exist for the sample DUP-6-27-24, and qualification of sample data was not required.

18. Were the number of trip blank, field blank, and/or equipment blank samples collected equal to at least 10% of the total number of samples or as required by the project guidelines, QAPP, SAP, or permit? Yes

Comments: The number of trip, field, and equipment blanks collected was equal to at least 10% of the total number of samples. One trip blank sample, Trip Blank, one field blank sample, FB-6-27-24, and one equipment blank sample, EB-6-27-24, were collected as part of this sample set.

19. Were target analytes reported as not detected in the trip blank, field blank, and/or equipment blank samples? No

Comments: Target analytes were not detected in the trip blank, field blank, and equipment blank samples, with the following exceptions.

Blank Sample ID	Method	Analyte	Concentration
FB-6-27-24	8260B	2-Butanone	2.0 µg/L
FB-6-27-24	8260B	Acetone	2.6 µg/L

Non-detections of the identified analytes in the associated samples did not require qualification.

20. Was the number of field duplicates collected equal to at least 10% of the total number of samples or as required by the project guidelines, QAPP, SAP, or permit? Yes

Comments: The number of field duplicates collected was equal to at least 10% of the number of samples. Sample DUP-6-27-24 was collected as a field duplicate of sample WMW-7.

21. Were field duplicate RPD values within data validation QC limits (soil 0-50%, water 0-30%, or air 0-25%)? Yes

Comments: As indicated in the Field Duplicate Summary Table at the end of this report field duplicate RPD values were within data validation QC limits of 0-30% for water samples.

VALIDATION CRITERIA CHECKLIST	
22. For laboratory duplicates prepared from project samples, were RPDs within data validation or laboratory QC limits?	N/A
Comments: Laboratory duplicate samples were not prepared for this sample set.	
23. Were the following data relationships realistic?	
• Target analytes were reported by more than one method (e.g., 8260/8270, EPH/8270)?	Yes
Comments: Target analytes 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1-methylnaphthalene, 2-methylnaphthalene, hexachlorobutadiene, and naphthalene were reported by both Method 8260B and Method 8270C. These analytes were reported as not detected by both methods, with the following exception. The target analyte naphthalene was reported by both Method 8260B and Method 8270C. For sample WMW-10, naphthalene was detected at a concentration of 3.0 µg/L in the Method 8260B analysis and not detected at a reporting limit of 50 µg/L in the Method 8270C analysis. The EPA has not provided guidance or requirements for the evaluation, validation, and qualification of the comparability of analyte results obtained by more than one method. Therefore, qualification of results was not performed based on these data.	
• Both total and dissolved metals analyses were performed, and the total metals results were greater than or equal to the dissolved metals results?	N/A
Comments: Total and dissolved fractions were not performed for the same metals in this data set.	

FIELD DUPLICATE SUMMARY

Client Sample ID: WMW-7 Field Duplicate Sample ID: DUP-6-27-24				
Analyte	**Method**	**Laboratory Result**	**Duplicate Result**	**Relative Percent Difference (RPD)**
Uranium, Total Recoverable	200.8	0.030 mg/L	0.030 mg/L	0.0%
Chloride	300.0	220 mg/L	210 mg/L	4.7%
Sulfate	300.0	960 mg/L	920 mg/L	4.3%
Alkalinity	2320B	700 mg/L	700 mg/L	0.0%
Alkalinity, Carbonate	2320B	21 mg/L	17 mg/L	21.1%
Bicarbonate	2320B	680 mg/L	680 mg/L	0.0%
Solids, Total Dissolved	2540C	2,500 mg/L	2,400 mg/L	4.1%
pH, Laboratory	4500H+ B	8.5 SU	8.5 SU	0.0%
Barium, Dissolved	6010B	0.015 mg/L	0.015 mg/L	0.0% +/-RL
Calcium, Dissolved	6010B	22 mg/L	22 mg/L	0.0%
Sodium, Dissolved	6010B	800 mg/L	780 mg/L	2.5%
1,2,4-Trimethylbenzene	8260B	ND (1.0 µg/L)	0.17 µg/L	DL

Field duplicate RPD control limits are not to exceed 30% for water as established by USEPA Region I - New England Environmental Data Review Supplement for Region 1 Data Review Elements and Superfund Specific Guidance/Procedures, EQADR-Supplement2, September 2020.

DL – Indicates that the analyte was detected in one of the duplicate samples and was undetected in the other sample, and therefore an RPD could not be calculated. Data were not qualified since the detection was within five times the reporting limit. Non-detected results are indicated above with the applicable reporting limit as ND (RL).

+/-RL – Indicates that the detections in one or both of the samples were within five times the reporting limit. The difference between the results was within data validation limits. Qualification of data was not required.

DATA QUALIFICATION SUMMARY

Abbreviation	Reason
HT-AN	Sample was analyzed outside of the method holding time.
MDLRL	Flagged by the laboratory: The result was greater than the MDL but less than the RL.

Analyte	Method	Field Sample ID	Lab Sample ID	Result	Limit	Units	Reviewer Qualifier	DV Flag Reasons
1,2,4-Trimethylbenzene	SW 8260B	WMW-10	885-7096-2	3.7	5.0	µg/L	J	MDLRL
1,2,4-Trimethylbenzene	SW 8260B	WMW-11	885-7096-4	0.19	1.0	µg/L	J	MDLRL
1,2,4-Trimethylbenzene	SW 8260B	DUP-6-27-24	885-7096-6	0.17	1.0	µg/L	J	MDLRL
2-Butanone	SW 8260B	FB-6-27-24	885-7096-5	2.0	10	µg/L	J	MDLRL
Acetone	SW 8260B	FB-6-27-24	885-7096-5	2.6	10	µg/L	J	MDLRL
Barium, Dissolved	SW 6010B	WMW-7	885-7096-3	0.015	0.020	mg/L	J	MDLRL
Barium, Dissolved	SW 6010B	DUP-6-27-24	885-7096-6	0.015	0.020	mg/L	J	MDLRL
Chloroform	SW 8260B	WMW-11	885-7096-4	0.56	1.0	µg/L	J	MDLRL
Isopropylbenzene	SW 8260B	WMW-10	885-7096-2	2.0	5.0	µg/L	J	MDLRL
n-Propylbenzene	SW 8260B	WMW-10	885-7096-2	1.1	5.0	µg/L	J	MDLRL
Naphthalene	SW 8260B	WMW-10	885-7096-2	3.0	10	µg/L	J	MDLRL
pH, Laboratory	SM 4500 H+ B	EB-6-27-24	885-7096-1	6.0	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500 H+ B	WMW-10	885-7096-2	8.1	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500 H+ B	WMW-7	885-7096-3	8.5	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500 H+ B	DUP-6-27-24	885-7096-6	8.5	0.1	SU	J	HT-AN
sec-Butylbenzene	SW 8260B	WMW-10	885-7096-2	0.82	5.0	µg/L	J	MDLRL

Tier II Data Validation Report Summary

Client: Marathon Oil	Laboratory: Eurofins Albuquerque
Project Name: 2024 GW Sampling - 2nd Quarter	Sample Matrix: Aqueous
Project Number: WRSWL-023-0005 Task: 0006	Sample Start Date: 07/16/2024
Date Validated: 08/12/2024	Sample End Date: 07/16/2024

Parameters Included:

- Volatile Organic Compounds (VOC) by Environmental Protection Agency (EPA) Test Methods for Evaluating Solid Waste (SW-846) Method 8260B
- Semivolatile Organic Compounds (SVOC) by SW-846 Method 8270C
- Dissolved Metals by EPA Method 6010B and Method 6020A
- Total Dissolved Solids (TDS) by Standard Methods For The Examination Of Water And Wastewater (SM) Method 2540C
- Alkalinity by SM Method 2320B
- Anions by EPA Method 300.0
- Total Recoverable Uranium by EPA Method 200.8
- Total Mercury by SW-846 Method 7470A
- pH by SM Method 4500H+ B

Laboratory Project ID: 885-8265-1 and 885-8326-1

Data Validator: Sarah Gordon, Data Validator

Reviewer: Daran O'Hollearn, Lead Project Scientist

DATA EVALUATION CRITERIA SUMMARY

A Tier II Data Validation was performed by Trihydro Corporation's Chemical Data Evaluation Services Group on the analytical data report packages generated by Eurofins Albuquerque of Albuquerque, New Mexico, evaluating samples from the Marathon Oil site, located in Gallup, New Mexico.

Precision, accuracy, method compliance, and completeness of this data package were assessed during this data review. Precision was determined by evaluating the calculated relative percent difference (RPD) values from:

- Field duplicate pairs
- Laboratory duplicate pairs
- Matrix spike (MS) and matrix spike duplicate (MSD) pairs
- Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) pairs

Laboratory accuracy was established by reviewing the demonstrated percent recoveries (%R) of the following items to verify that data are not biased.

- MS/MSD samples
- LCS/LCSD samples
- Organic system monitoring compounds (surrogates)

Field accuracy was established by collecting and analyzing the following samples to monitor for possible ambient or cross contamination during sampling and transportation.

Tier II Data Validation Report Summary

- Trip blanks
- Equipment blanks

Method compliance was established by reviewing sample integrity, holding times, detection limits, surrogate recoveries, laboratory blanks, initial and continuing calibrations (where applicable), and the LCS/LCSD percent recoveries against method-specific requirements.

Completeness was evaluated by determining the overall ratio of the number of samples and analyses planned versus the number of samples with valid analyses. Determination of completeness included a review of the chain-of-custody (CoC), laboratory analytical methods, and other laboratory and field documents associated with this analytical data set.

SAMPLE NUMBERS TABLE

Client Sample ID	Laboratory Sample Number
Dataset 885-8265-1	
WMW-8	885-8265-1
WMW-3	885-8265-2
WMW-6	885-8265-3
DUP-7-16-2024	885-8265-4
Trip Blank	885-8265-5
Dataset 885-8326-1	
EB-7-16-24	885-8326-1

Tier II Data Validation Report Summary

The laboratory data were reviewed to evaluate compliance with the methods and the quality of the reported data. Assessment of CoC completeness is included in Item 3 of the Data Validation Checklist. A check mark (✓) indicates that the referenced validation criteria were deemed acceptable, whereas a crossed circle (⊗) indicates validation criteria for which the data have been qualified by the data validator. An empty circle (○) indicates that the specified criterion does not apply to the reviewed data. Details are noted in the tables below.

Validation Criteria

- ✓ Data Completeness
- ⊗ Laboratory Qualifiers (Item 2)
- ✓ CoC Documentation (Item 3)
- ⊗ Holding Times and Preservation (Items 6 and 7)
- ○ Initial and Continuing Calibrations (Items 9 and 10)
- ✓ Laboratory Blanks (Items 11 and 12)
- ✓ MS/MSD (Items 13 and 14)
- ✓ LCS/LCSD (Items 15 and 16)
- ✓ System Monitoring Compounds (i.e., Surrogates and EIS) (Item 17)
- ⊗ Trip and Equipment Blanks (Items 18 and 19)
- ✓ Field Duplicates (Items 20 and 21)
- ○ Laboratory Duplicates (Item 22)

Guidance References

Chemical data validation was conducted in accordance with the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for the analyses listed below, or by the appropriate method if not covered in the National Functional Guidelines.

- Data for organic analyses were evaluated according to validation criteria set forth in the USEPA CLP National Functional Guidelines for Organic Superfund Methods Data Review, document number EPA-540-R-20-005, November 2020.
- Data for inorganic analyses were evaluated according to validation criteria set forth in the USEPA CLP National Functional Guidelines for Inorganic Superfund Methods Data Review, document number EPA-542-R-20-006, November 2020.
- Review of field duplicates was conducted according to the USEPA Region I - New England Environmental Data Review Supplement for Region 1 Data Review Elements and Superfund Specific Guidance/Procedures, EQADR-Supplement2, September 2020.
- Trihydro Data Validation Variance Documentation, March 2024.

Tier II Data Validation Report Summary

OVERALL DATA PACKAGE ASSESSMENT

Based on a data validation review, the data are acceptable as delivered. Data qualified by the laboratory are discussed in Item 2 of the Validation Criteria Checklist.

The purpose of validating data and assigning qualifiers is to assist in proper data interpretation. Data that are not qualified meet the site data quality objectives. If values are assigned qualifiers other than an R (rejected, data not usable), the data may be used for site evaluation; however, consideration should be given to the reasons for qualification when interpreting sample concentrations. Data points that are assigned an R qualifier should not be used for site evaluation purposes.

If applicable, text was identified in **bold font** in the Validation Criteria Checklist to indicate that further action and/or qualification of the data were required. Data may have been qualified with J data flags by the laboratory if the result was greater than or equal to the method detection limit (MDL) but less than the reporting limit (RL). These laboratory-applied J flags were preserved, if present, and included in the Data Qualification Summary table at the end of this report. If applicable, data validation qualifiers were added for the items noted with crossed circles in the Validation Criteria section above. Please see the Data Qualification Summary table at the end of this report for a complete list of samples and analytes qualified.

If data would be qualified with more than one flag, one qualifier was assigned based on the severity; however, all reasons for qualification were retained. Data that would be qualified with both J+ and J- flags were evaluated based on validation criteria and assigned the appropriate flag. The hierarchy of qualifiers from the most to least severe is as follows:

- R > JB/U > NJ > J+/J- > J/UJ

Data qualifiers used during this validation are included in the following table.

Qualifier	Definition
J	Estimated concentration
U	Evaluated to be undetected at the reported limit

Data Completeness

The analyses were performed as requested on the CoC records. The associated samples were received by the laboratory and analyzed properly unless otherwise noted in the Criteria Checklist below. The complete data package consisted of 620 data points. The data completeness calculation does not include any submitted blank sample results. Data points were not rejected. The data completeness measure for this data package is calculated to be 100% and is acceptable.

VALIDATION CRITERIA CHECKLIST	
1. Was the report free of non-conformances identified by the laboratory?	Yes
Comments: The laboratory did not identify non-conformances regarding the analytical data.	
2. Were the data free of data qualification flags and/or notes used by the laboratory? If no, define.	No
Comments: The laboratory used the following data qualification flags with this data set. J − Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. **Analytical results with J laboratory flags were assigned J qualifiers to indicate estimated concentrations.** HF − Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.	
3. Were sample CoC forms and custody procedures complete?	Yes
Comments: The CoC records from field to laboratory were complete, and custody was maintained as evidenced by field and laboratory personnel signatures, dates, and times of receipt. The laboratory noted that the shipping containers were sealed, and custody seals were present and intact on the shipping containers.	
4. Were detection limits in accordance with the quality assurance project plan (QAPP), permit, or method, or indicated as acceptable?	Yes
Comments: The reporting limits for the analyses were reviewed and appeared to be acceptable. The applied dilutions appeared to be appropriate since target analytes were reported with detectable concentrations in the diluted analyses.	
5. Were the reported analytical methods and constituents in compliance with the QAPP, permit, or CoC?	No
Comments: The reported analytical methods were in compliance with the CoC, and the laboratory reported the requested constituents in accordance with the CoC, with the following exception. The CoC requested pH using Method 9040; however, the laboratory analyzed the samples using Method 4500H+ B. This substituted analytical method met similar sensitivity, accuracy, and precision goals and therefore, was an acceptable replacement.	
6. Were samples received in good condition within method-specified requirements?	Yes
Comments: Samples were received on ice, in good condition, and with the cooler temperatures within the recommended temperature range of 4°C ± 2°C at 2.5°C and 3.2°C as noted in the Case Narratives.	
7. Were samples extracted/digested and analyzed within method-specified or technical holding times?	No
Comments: The samples were extracted/digested and analyzed within method-specific holding times, with the following exception. **<u>Method 4500H+ B</u>: Samples WMW-8, WMW-3, WMW-6, DUP-7-16-24, and EB-7-16-24 were analyzed for pH outside the defined holding time of 15 minutes by approximately 3 days. The detected results for the submitted samples by Method 4500H+ B were assigned J qualifiers based on the holding time exceedances.**	
8. Were reported units appropriate for the sample matrix/matrices and analytical method(s)? Specify if wet or dry units were used for soil.	Yes
Comments: The results were reported in concentration units of micrograms per liter (µg/L), milligrams per liter (mg/L), and Standard Units (SU), which were acceptable for the sample matrix and the analyses requested.	
9. Did the laboratory provide any specific initial and/or continuing calibration results?	No
Comments: Initial and continuing calibration data were not included as part of this data set.	

VALIDATION CRITERIA CHECKLIST

10. If initial and/or continuing calibration results were provided, were the results within acceptable limits? N/A

Comments: Initial and continuing calibration data were not included as part of this data set.

11. Was the total number of laboratory blank samples prepared equal to at least 5% of the total number of samples or analyzed as required by the method? Yes

Comments: The number of laboratory blank samples prepared was equal to at least 5% of the total number of samples.

12. Were target analytes reported as not detected in the laboratory blanks? Yes

Comments: Target analytes were reported as not detected in the laboratory blanks.

13. Was the total number of MS samples prepared equal to at least 5% of the total number of samples or analyzed as required by the method? Yes

Comments: The total number of matrix spike samples prepared was equal to at least 5% of the total number of samples, although MS samples were not prepared/reported for all analyses and/or batches. The matrix spike sample source for each analytical batch in this sample set has been indicated below.

Dataset	Method	Analyte(s)	Analysis Batch	Prep Batch	MS Sample Source
885-8265-1	8260B	VOC	9273	-----	WMW-8
885-8265-1	8270C	SVOC	8954	8835	Not Prepared
885-8265-1	300.0	Anions	8749	-----	WMW-8
885-8265-1	300.0	Anions	8750	-----	WMW-8, DUP-7-16-24
885-8265-1	200.8	Total Recoverable Uranium	8963	8890	WMW-6
885-8265-1	4500H+ B	pH	8845	-----	Not Prepared
885-8265-1	6010B	Dissolved Metals	8901	-----	Not Prepared
885-8265-1	6020A	Dissolved Metals	9234	-----	Not Prepared
885-8265-1	7470A	Total Mercury	9045	8934	WMW-8
885-8265-1	2540C	TDS	8856	-----	Not Prepared
885-8265-1	2320B	Alkalinity	8843	-----	Not Prepared
885-8326-1	8260B	VOC	9195, 9273	-----	Not Prepared
885-8326-1	8270C	SVOC	8954	8835	Not Prepared
885-8326-1	300.0	Anions	8838, 8839	-----	Not Prepared
885-8326-1	4500H+ B	pH	8845	-----	Not Prepared
885-8326-1	200.8	Total Recoverable Uranium	8963	8890	WMW-6
885-8326-1	6010B	Dissolved Metals	8901	-----	Not Prepared
885-8326-1	6020A	Dissolved Metals	9234	-----	Not Prepared
885-8326-1	7470A	Total Mercury	9045	8934	WMW-8
885-8326-1	2540C	TDS	8856	-----	Not Prepared
885-8326-1	2320B	Alkalinity	9023	-----	Not Prepared

Not Prepared – Matrix spikes were not prepared for this batch.

VALIDATION CRITERIA CHECKLIST

14. For MS/MSDs prepared from project samples, were percent recoveries and RPDs within data validation or laboratory quality control (QC) limits? Yes

Comments: The MS and MSD percent recoveries and RPDs were within data validation and laboratory quality control limits.

15. Was the total number of LCSs analyzed equal to at least 5% of the total number of samples or analyzed as required by the method? Yes

Comments: The total number of LCS samples analyzed was equal to at least 5% of the total number of samples.

16. Were LCS/LCSD percent recoveries and LCS/LCSD RPDs within data validation or laboratory QC limits? No

Comments: The LCS and LCSD percent recoveries and RPDs were within laboratory and data validation QC limits.

17. Were surrogate recoveries within laboratory QC limits? Yes

Comments: Surrogate recoveries were within laboratory QC limits.

18. Were the number of trip blank, field blank, and/or equipment blank samples collected equal to at least 10% of the total number of samples or as required by the project guidelines, QAPP, SAP, or permit? Yes

Comments: The number of trip, field, and equipment blanks collected was equal to at least 10% of the number of samples. One trip blank, Trip Blank, and one equipment blank, EB-7-16-24, were collected as part of this sample set.

19. Were target analytes reported as not detected in the trip blank, field blank, and/or equipment blank samples? No

Comments: Target analytes were not detected in the trip and equipment blank samples, with the following exceptions.

Blank Sample ID	Method	Analyte	Concentration
EB-7-16-24	**6010B**	**Barium, Dissolved**	**0.0015 mg/L**
EB-7-16-24	6010B	Calcium, Dissolved	0.13 mg/L
EB-7-16-24	6010B	Chromium, Dissolved	0.0016 mg/L
EB-7-16-24	8260B	2-Butanone	24 µg/L
EB-7-16-24	8260B	2-Hexanone	2.7 µg/L
EB-7-16-24	8260B	Chloromethane	0.88 µg/L
EB-7-16-24	8260B	Naphthalene	0.25 µg/L
EB-7-16-24	8260B	Acetone	16 µg/L

Detections of dissolved barium in the associated samples WMW-3 and DUP-7-16-2024 that were less than the blank result and less than the applicable reporting limit were assigned U qualifiers. Non-detections of the identified analytes in the associated samples and detections that were above the reporting limit and greater than ten times the blank concentration did not require qualification.

20. Was the number of field duplicates collected equal to at least 10% of the total number of samples or as required by the project guidelines, QAPP, SAP, or permit? Yes

Comments: The number of field duplicates collected was equal to at least 10% of the number of samples. Sample DUP-7-16-2024 was collected as a field duplicate of sample WMW-3.

21. Were field duplicate RPD values within data validation QC limits (soil 0-50%, water 0-30%, or air 0-25%)? Yes

Comments: As indicated in the Field Duplicate Summary Table at the end of this report, field duplicate RPD values were within data validation QC limits of 0-30% for water samples.

VALIDATION CRITERIA CHECKLIST	
22. For laboratory duplicates prepared from project samples, were RPDs within data validation or laboratory QC limits?	Yes
Comments: A laboratory duplicate was prepared for Method 2540C batch 8856 from sample WMW-6. The laboratory duplicate RPD was within data validation and laboratory QC limits.	
23. Were the following data relationships realistic?	
• Target analytes were reported by more than one method (e.g., 8260/8270, EPH/8270)?	Yes
Comments: Results for 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1-methylnapthalene, 2-methylnaphthalene, hexachlorobutadiene, and naphthalene were reported by both Method 8260B and Method 8270C for the submitted samples. The EPA has not provided guidance or requirements for the evaluation, validation, and qualification of analytes analyzed by more than one method. Therefore, qualification of results was not performed based on these data.	
• Both total and dissolved metals analyses were performed, and the total metals results were greater than or equal to the dissolved metals results?	N/A
Comments: No metal analyte was analyzed for both total and dissolved metals fractions.	

FIELD DUPLICATE SUMMARY

Client Sample ID: WMW-3 Field Duplicate Sample ID: DUP-7-16-2024				
Analyte	**Method**	**Laboratory Result**	**Duplicate Result**	**Relative Percent Difference (RPD)**
Uranium, Total Recoverable	200.8	0.067 mg/L	0.068 mg/L	1.5%
Alkalinity	2320B	1,100 mg/L	1,100 mg/L	0.0%
Bicarbonate	2320B	1,100 mg/L	1,100 mg/L	0.0%
Solids, Total Dissolved	2540C	6,400 mg/L	6,500 mg/L	1.6%
Chloride	300.0	1,300 mg/L	1,200 mg/L	8.0%
Sulfate	300.0	2,100 mg/L	2,100 mg/L	0.0%
pH, Laboratory	4500H+ B	7.7 SU	7.8 SU	1.3%
Barium, Dissolved	6010B	0.013 mg/L	0.012 mg/L	8.0% +/-RL
Calcium, Dissolved	6010B	150 mg/L	150 mg/L	0.0%
Silver, Dissolved	6010B	0.0027 mg/L	0.0027 mg/L	0.0% +/-RL
Sodium, Dissolved	6010B	1,800 mg/L	1,900 mg/L	5.4%
4-Methyl-2-Pentanone	8260B	1.5 µg/L	ND (10 µg/L)	DL

Field duplicate RPD control limits are not to exceed 30% for water, as established by USEPA Region I - New England Environmental Data Review Supplement for Region 1 Data Review Elements and Superfund Specific Guidance/Procedures, EQADR-Supplement2, September 2020.

DL – Indicates that the analyte was detected in one of the duplicate samples and was undetected in the other sample, and therefore an RPD could not be calculated. Data were not qualified since the detection was within five times the reporting limit. Non-detected results are indicated above with the applicable reporting limit as ND (RL).

+/-RL – Indicates that the detections in one or both of the samples were within five times the reporting limit. The difference between the results was within data validation limits. Qualification of data was not required.

DATA QUALIFICATION SUMMARY

Abbreviation	Reason
HT-AN	Sample was analyzed outside of the method holding time.
MDLRL	Flagged by the laboratory: The result was greater than the MDL but less than the RL.
EBD	Equipment blank detection

Analyte	Method	Field Sample ID	Lab Sample ID	Result	Limit	Units	Reviewer Qualifier	DV Flag Reasons
2-Hexanone	SW 8260B	EB-7-16-24	885-8326-1	2.7	10	µg/L	J	MDLRL
4-Methyl-2-Pentanone	SW 8260B	WMW-8	885-8265-1	1.5	10	µg/L	J	MDLRL
4-Methyl-2-Pentanone	SW 8260B	WMW-3	885-8265-2	1.5	10	µg/L	J	MDLRL
Barium, Dissolved	SW 6010B	WMW-3	885-8265-2	0.013	0.10	mg/L	U	EBD, MDLRL
Barium, Dissolved	SW 6010B	DUP-7-16-2024	885-8265-4	0.012	0.020	mg/L	U	EBD, MDLRL
Barium, Dissolved	SW 6010B	EB-7-16-24	885-8326-1	0.0015	0.020	mg/L	J	MDLRL
Calcium, Dissolved	SW 6010B	EB-7-16-24	885-8326-1	0.13	1.0	mg/L	J	MDLRL
Chloromethane	SW 8260B	EB-7-16-24	885-8326-1	0.88	3.0	µg/L	J	MDLRL
Chromium, Dissolved	SW 6010B	EB-7-16-24	885-8326-1	0.0016	0.0060	mg/L	J	MDLRL
Naphthalene	SW 8260B	EB-7-16-24	885-8326-1	0.25	2.0	µg/L	J	MDLRL
pH, Laboratory	SM 4500H+ B	WMW-8	885-8265-1	8.0	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500H+ B	WMW-3	885-8265-2	7.7	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500H+ B	WMW-6	885-8265-3	8.0	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500H+ B	DUP-7-16-2024	885-8265-4	7.8	0.1	SU	J	HT-AN
pH, Laboratory	SM 4500H+ B	EB-7-16-24	885-8326-1	5.7	0.1	SU	J	HT-AN
Silver, Dissolved	SW 6010B	WMW-3	885-8265-2	0.0027	0.0050	mg/L	J	MDLRL
Silver, Dissolved	SW 6010B	DUP-7-16-2024	885-8265-4	0.0027	0.0050	mg/L	J	MDLRL

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: Western Refining Southwest LLC 539 South Main Street Findlay, OH 45840	OGRID: 267595
	Action Number: 382809
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
joel.stone	None	9/20/2024