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Date: August 22, 2023
Our Ref: 30062947
Subject: **Second Quarter 2023 Groundwater Monitoring Report**
Chevron Facility #6518040
Former Gulf Oil Terminal
3705 Hampton Road, Oceanside, New York
NYSDEC Site #130165

Dear Mr. Scharf,

On behalf of Chevron Environmental Management Company (CEMC), Arcadis of New York, Inc. (Arcadis) has prepared this Second Quarter 2023 Groundwater Monitoring Report for the New York State Department of Environmental Conservation (NYSDEC) in accordance with the Order on Consent and Administrative Settlement for the former Gulf Oil Terminal in Oceanside, New York, NYDEC Site #130165 (site; **Figure 1**). This monitoring report summarizes the May 31 and June 1, 2023 groundwater sampling event. On December 7, 2017, NYSDEC and CEMC agreed to quarterly progress reporting in lieu of monthly reporting. Relevant site features and existing groundwater monitoring wells are presented on **Figure 2**.

Groundwater Gauging

On May 31, 2023, 35 monitoring wells (AMW-3, AMW-13-D1, AMW-13-D2, AMW-13-VD, AMW-14-D1, AMW-14-D2, AMW-14-VD, AMW-15-D1, AMW-15-D2, AMW-15-VD, AMW-15-D3, AMW-7R, MW-18R, MW-23-D1R, MW-23-D2R, MW-24-D1R, MW-24-D2, MW-24-VDR, MW-26-D1, MW-26-D2, MW-26-VD, MW-27-D2, MW-27-D1R, MW-28-D1, MW-28-D2R, MW-29-D1, MW-29-D2, MW-29-VD, MW-30-D1, MW-30-D2, MW-30-VD, MW-31-D1R, MW-31-D2R, MW-32D, and OW-2-D1) were gauged prior to extracting HydraSleeves™.

Monitoring wells were gauged during high tide at the site on May 31, 2023. Measured depth-to-groundwater in the D1 horizon ranged from 4.78 feet below top of inner casing (btic) in MW-29-D1 to 9.10 feet btic in AMW-13-D1. Measured depth-to-groundwater in the D2 horizon ranged from 4.88 feet btic in MW-29-D2 to 9.10 feet btic in AMW-13-D2. Measured depth-to-groundwater in the VD horizon ranged from 4.28 feet btic in MW-29-VD to 8.67 feet btic in AMW-13-VD. Groundwater elevation data were used to generate Groundwater Elevation Contour Maps for horizon D1, D2, and VD and are included as **Figures 3, 4, and 5**, respectively. The approximate groundwater flow direction for the D1 horizon is to the north, the D2 horizon is to the south, and for the VD horizon to the northwest and southwest. The well gauging data is summarized in **Table 1** and illustrated on **Figures 3, 4, and 5**.

Groundwater Sampling

On May 31 and June 1, 2023, groundwater samples were collected from HydraSleeves™ that were deployed in 20 monitoring wells (AMW-14-D1, AMW-14-D2, AMW-14-VD, AMW-7R, AMW-15-D1, AMW-15-D2, AMW-15-D3, AMW-15-VD, MW-18R, MW-23-D1R, MW-23-D2R, MW-24-D1R, MW-24-D2, MW-24-VDR, MW-26-D1, MW-27-D1R, MW-27-D2, MW-28-D1, MW-28-D2R and MW-29-D1). Monitoring well MW-26-D2 was not sampled as the HydraSleeve™ could not be located/retrieved. Prior to collection, groundwater parameters (pH, temperature, specific conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity) were collected. The groundwater samples were placed in laboratory-supplied containers, packaged on ice, and transported to Pace Analytical Inc. in Mt. Juliet, Tennessee (New York Certification #11742). Groundwater samples were collected for:

- Dissolved-phase volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C;
- Total iron, sodium, and manganese by USEPA Method 6010D;
- Nitrite and nitrate by USEPA Method 353.2;
- Alkalinity by USEPA Method 2320 B-2011;
- Sulfate and chloride by USEPA Method 9056A;
- Sulfide by USEPA Method SM 4500S2 D-2011;
- Total organic carbon by USEPA Method 9060A;
- Ferric and ferrous iron by USEPA Method 3500 Fe B-2011;
- Carbon dioxide by USEPA Method 4500CO2 D-2011; and
- Ethane, ethene, and methane by USEPA Method RSK-175.

The following summarizes the dissolved VOC constituents that were detected above the NYSDEC Technical and Operational Guidance Series (TOGS) guidance values in the samples collected during the Q2 2023 sampling event:

- Benzene exceeded the TOGS Water Guidance value of 1 microgram per Liter (µg/L) at monitoring wells AMW-14-D1 (5.20 µg/L), AMW-15-D1 (4.11 µg/L), MW-18R (7.89 µg/L), MW-24-D1R (9.57 [7.13 J] µg/L), MW-26-D1 (11.0 µg/L), MW-27-D1R (2.53 µg/L) and MW-28-D1 (3.87 µg/L).
- Ethylbenzene exceeded the TOGS Water Guidance value of 5 µg/L at monitoring well MW-24-D1R (7.14 [6.20 J] µg/L) and AMW-14-D1 (6.13 µg/L).
- Xylene exceeded the TOGS Water Guidance value of 5 µg/L at monitoring wells MW-24-D1R (10.6 [8.45 J] µg/L) and MW-26-D1 (6.87 µg/L).
- Methyl tert-butyl ether (MTBE) exceeded the TOGS Water Guidance value of 10 µg/L at monitoring wells AMW-14-D1 (119 µg/L), AMW-14-D2 (12.8 µg/L), AMW-15-D1 (79.8 C3 µg/L), AMW-15-D2 (38.8 C3 µg/L), MW-23-D1R (54.4 C3 µg/L), MW-24-D1R (152 [113] µg/L), MW-24-D2 (37.5 µg/L), MW-26-D1 (63.2 C3 µg/L), MW-27-D1R (15.2 µg/L) and MW-29-D1 (14.1 C3). C3 is defined as: the reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. Data is likely to show a high bias concerning the result.
- Vinyl chloride exceeds the TOGS Water Guidance value of 2 µg/L at monitoring well MW-26-D1 (2.21 µg/L) and MW-27-D1R (22.2 µg/L).
- Trans-1,2-dichloroethene exceeded the TOGS Water Guidance value of 5 µg/L at monitoring wells MW-24-D1R (10.1 [7.37J] µg/L) and AMW-14-D1(6.97 µg/L).

Mr. Steven M. Scharf, P.E.
New York State Department of Environmental Conservation
August 22, 2023

A blind duplicate sample was collected from monitoring well MW-24-D1R. Duplicate sample results were within acceptable ranges of the parent sample. The analytical results are summarized in **Table 2** and are illustrated on **Figure 6**. A Copy of the laboratory analytical report is included in **Attachment 2**. Historical groundwater analytical results are presented in **Table 3**. Following groundwater sampling, HydraSleeves™ were deployed in 20 monitoring wells.

Future Site Activities

The next quarterly sampling event will be completed in August 2023. If you have any questions regarding this progress report or require any additional information, please do not hesitate to contact me at 724.934.9532 or at alex.newbrough@arcadis.com.

Sincerely,
Arcadis U.S., Inc.



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Project Manager

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Table 1
Groundwater Elevation Data – May 31, 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Monitoring Well ID	Date	Well Diameter (in)	Well Depth (feet below TOC)	TOC Elevation (feet NAVD 88)*	Depth to LNAPL (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Table Elevation (feet NAVD 88*)
Shallow Fill Unit Monitoring Wells							
AMW-3	5/31/2023	2	12.37	9.05	ND	6.32	2.73
AMW-7R	5/31/2023	2	13.84	9.95	ND	7.96	1.99
MW-18R	5/31/2023	2	9.92	7.98	ND	5.82	2.16
D1 Horizon Monitoring Wells							
AMW-13-D1	5/31/2023	2	32.86	9.87	ND	9.10	0.77
AMW-14-D1	5/31/2023	2	32.62	9.38	ND	8.55	0.83
AMW-15-D1	5/31/2023	2	35.28	9.74	ND	8.01	1.73
MW-23-D1R	5/31/2023	2	26.04	9.84	ND	8.22	1.62
MW-24-D1R	5/31/2023	2	31.99	9.82	ND	8.00	1.82
MW-26-D1	5/31/2023	2	20.18	9.95	ND	8.04	1.91
MW-27-D1R	5/31/2023	2	32.20	9.01	ND	7.30	1.71
MW-28-D1	5/31/2023	2	31.42	8.25	ND	6.40	1.85
MW-29-D1	5/31/2023	2	21.78	5.21	ND	4.78	0.43
MW-30-D1	5/31/2023	2	29.83	8.74	ND	6.71	2.03
MW-31-D1R	5/31/2023	2	30.00	8.39	ND	6.43	1.96
MW-32D	5/31/2023	2	36.27	8.85	ND	8.27	0.58
OW-2-D1	5/31/2023	2	33.65	9.94	ND	8.20	1.74
D2 Horizon Monitoring Wells							
AMW-13-D2	5/31/2023	2	38.00	9.76	ND	4.88	4.88
AMW-14-D2	5/31/2023	2	42.51	9.37	ND	8.17	1.20
AMW-15-D2	5/31/2023	2	40.97	9.71	ND	8.06	1.65
MW-23-D2R	5/31/2023	2	44.20	10.52	ND	8.15	2.37
MW-24-D2	5/31/2023	2	42.52	10.00	ND	8.43	1.57
MW-26-D2	5/31/2023	2	8.40	9.40	ND	7.45	1.95
MW-27-D2	5/31/2023	2	46.63	9.09	ND	7.35	1.74
MW-28-D2R	5/31/2023	2	46.45	8.40	ND	6.47	1.93
MW-29-D2	5/31/2023	2	38.00	5.38	ND	4.88	0.50
MW-30-D2	5/31/2023	2	40.30	8.72	ND	6.77	1.95
MW-31-D2R	5/31/2023	2	46.01	8.35	ND	6.40	1.95
D3 Horizon Monitoring Wells							
AMW-15-D3	5/31/2023	2	70.97	9.81	ND	8.02	1.79
VD Horizon Monitoring Wells							
AMW-13-VD	5/31/2023	2	70.28	9.77	ND	8.67	1.10
AMW-14-VD	5/31/2023	2	74.34	9.25	ND	8.24	1.01
AMW-15-VD	5/31/2023	2	71.21	9.82	ND	7.80	2.02
MW-24-VDR	5/31/2023	2	68.80	9.72	ND	7.53	2.19
MW-26-VD	5/31/2023	2	64.78	9.99	ND	7.76	2.23
MW-29-VD	5/31/2023	2	60.78	5.27	ND	4.28	0.99
MW-30-VD	5/31/2023	2	83.89	8.70	ND	5.94	2.76

Notes:

*Top of casing elevations were surveyed by Borbas Surveying & Mapping, LLC, September 18, 2017 and re-drilled wells on June 1, 2018.

in = Inches

TOC = top of casing

NAVD 88 = North America Vertical Datum of 1988

LNAPL = light non aqueous phase liquid

ND = not detected

Table 2
Summary of Groundwater Sampling Results – May 31 and June 1, 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Lab Sample ID	Date Sampled	Volatile Organics										GC Volatiles - RSK-175	Inorganics			General Chemistry			
		Benzene	Toluene	Ethyl- benzene	Xylene (total)	Methyl-t- butyl ether	Isopropyl- benzene	cis-1,2- Dichloro- ethene	trans-1,2- Dichloro- ethene	Trichloro- ethene (Trichloro- ethylene)	Vinyl Chloride Chloroethene)	Carbon Dioxide	Iron	Manganese	Sodium	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Nitrate- Nitrite
NYSDEC TOGS 1.1.1		1	5	5	5	10	5	5	5	5	2	NE	300	300	20,000	NE	250	NE	10,000
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	ug/L
AMW-14-D1	05/31/2023	5.20	0.305 J	6.13	0.448 J	119	1.05	<1.00	6.97	<1.00	<1.00	31.2 B T8	1,190	13.0	899,000	315,000	1,330	0.637	<100
AMW-14-D2	05/31/2023	0.163 J	<1.00	<1.00	<3.00	12.8	<1.00	0.164 J	0.735 J	<1.00	<1.00	105 B T8	341	90.5	2,650,000	764,000	3,780	0.239	<100
AMW-14-VD	05/31/2023	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	203 T8	17,900	411	8,270,000	580,000	15,600	<0.1	<100
AMW-15-D1	06/01/2023	4.11	<1.00	2.48	0.200 J	79.8 C3	0.327 J	0.616 J	1.28	0.247 J	<1.00	<20 T8	94.9 J	24.6	1,040,000	581,000	2,370	<0.05	<100
AMW-15-D2	06/01/2023	0.344 J	<1.00	<1.00	<3.00	38.8 C3	<1.00	0.242 J	0.235 J	<1.00	<1.00	94.5 B T8	240	56.2	1,810,000	618,000	3,580	<0.05	<200
AMW-15-D3	06/01/2023	0.120 J	<1.00	<1.00	<3.00	0.664 C3 J	<1.00	<1.00	<1.00	0.302 J	<1.00	60.4 B T8	1,740	462	2,200,000	391,000	6,240	0.757	<200
AMW-15-VD	06/01/2023	<1.00	<1.00	<1.00	<3.00	0.190 C3 J	<1.00	<1.00	<1.00	<1.00	<1.00	44 B T8	8,550	311	8,410,000	664,000	16,400	2.510	<100
AMW-7R	06/01/2023	<1.00	<1.00	<1.00	<3.00	<1.00 C3	0.910 J	<1.00	<1.00	<1.00	<1.00	55.4 B T8	4,270	1,150	99,700	516,000	75.7	1.840	172
MW-18R	05/31/2023	7.89	1.44	0.448 J	2.41 J	0.477 J	1.82	<1.00	<1.00	<1.00	<1.00	--	932	9.38 J	115,000	--	--	--	--
MW-23-D1R	06/01/2023	<1.00	<1.00	<1.00	<3.00	54.4 C3	0.184 J	0.308 J	<1.00	<1.00	<1.00	21.8 B T8	426	346	818,000	215,000	1,130	0.053	58.2 J
MW-23-D2R	06/01/2023	<1.00	<1.00	<1.00	<3.00	4.03 C3	<1.00	<1.00	<1.00	<1.00	<1.00	<20 T8	2,740	662	966,000	214,000	1,000	1.200	81.5 J
MW-24-D1R	05/31/2023	9.57 [7.13 J]	0.878 J [<10.0]	7.14 [6.20 J]	10.6 [8.45 J]	152 [113]	0.746 J [<10.0]	0.297 J [<10.0]	10.1 [7.37 J]	0.359 J [<10.0]	<1.00 [<10.0]	64.1 B T8 [56.3 B T8]	510 [714]	15.2 [24.1]	1,720,000 [1,610,000]	518,000 [556,000]	2,300 [2,460]	0.261 [0.218]	<100 [<100]
MW-24-D2	05/31/2023	<1.00	<1.00	<1.00	<3.00	37.5	0.115 J	<1.00	<1.00	<1.00	<1.00	87.2 B T8	1,840	65.7	1,870,000	709,000	3,340	1.130	<100
MW-24-VDR	05/31/2023	<1.00	<1.00	<1.00	<3.00	0.533 J	<1.00	<1.00	<1.00	<1.00	<1.00	51.5 B T8	26,100	369	8,300,000	307,000	8,870	4.140	<100
MW-26-D1	06/01/2023	11.0	0.633 J	4.17	6.87	63.2 C3	0.804 J	<1.00	0.781 J	<1.00	2.21	88.1 B T8	1,230	229	1,330,000	541,000	2,330	0.0794	<200
MW-27-D1R	05/31/2023	2.53	0.293 J	0.258 J	0.643 J	15.2	<1.00	0.605 J	1.73	<1.00	22.2	96.9 B T8	79.4 J	46.1	2,160,000	768,000	3,460	<0.05	<100
MW-27-D2	05/31/2023	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	149 T8	2,020	1,170	3,430,000	336,000	6,600	<0.1	<100
MW-28-D1	06/01/2023	3.87	0.482 J	1.15	0.541 J	5.74 C3	0.157 J	0.217 J	<1.00	<1.00	<1.00	118 B T8	381	75.8	2,010,000	736,000	3,680	0.116	<200
MW-28-D2R	06/01/2023	<1.00	<1.00	<1.00	<3.00	0.311 C3 J	<1.00	<1.00	<1.00	<1.00	<1.00	40.1 B T8	453	174	1,130,000	158,000	1,730	<0.05	<100
MW-29-D1	06/01/2023	<1.00	<1.00	<1.00	<3.00	14.1 C3	<1.00	<1.00	<1.00	<1.00	<1.00	31.6 B T8	3,240	83.8	96,400	141,000	426	0.889	<100

Notes:
ID = Identification
NYSDEC = New York State Department of Environmental Conservation
TOGS = NYSDEC Technical and Operational Guidance Series ambient water quality standards and guidance values of June 1998
<1.0 = not detected at or above the reporting limit
mg/L = milligrams per liter
ug/L = micrograms per liter
Bold = detected concentration
Shade = concentration was above the TOGS
C3 = The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. Data is likely to show a high bias concerning the result.
CaCO3 = calcium carbonate
J = Analyte was detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
B =The same analyte is found in the associated blank.
T8 = Sample(s) received past/too close to holding time expiration.
NE = Not established
[] = Duplicate analysis results
-- = Not sampled

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotrifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-12	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
AMW-13-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-14-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.91 J	0.46 J	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	0.62 J	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.54 J	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.180 J	<1.00	<5.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.606 J	<1.00	<5.00	<1.00	<1.00
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.790 J	<1.00	<5.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.561 J	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.739 J	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.950 J	<1.00	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.440 J	<1.00	<5.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.517 J	<1.00	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.728 J	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.564 J	<1.00	<5.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.959 J	<1.00 C3	<5.00	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.376 C3 J	<1.00	<5.00 C3	<1.00	<1.00
	05/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.477 J	<1.00	<5.00	<1.00	<1.00
AMW-14-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-14-D2 (cont.)	8/19/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.129 J	<1.00	<5.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.105 J	<1.00	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.124 J	<1.00	<5.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00
3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<1.00	<5.00 C3	<1.00	<1.00	
05/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
AMW-14-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	8/20/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<1.00	<5.00 C3	<1.00	<1.00
	05/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
AMW-15-D1	6/23/2016	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	10/26/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotrifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D1 (cont.)	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	1.5 J	< 5.0	< 50	< 5.0	< 5.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	0.89 J	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.75 J	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00
	8/19/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00 J4
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.325 J	<1.00	<5.00	<1.00	<1.00
	3/19/2021	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00
	6/2/2021	<1.00 J3	<1.00	<1.00	<1.00	<1.00 J3	<1.00	<1.00 J3	<5.00	<1.00 J3	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.665 J	<1.00	<5.00	<1.00	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.657 J	<1.00 C3	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.216 J	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.375 J	<1.00	<5.00	<1.00	<1.00
11/28/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.557 J	<1.00 C3	<5.00	<1.00	<1.00	
3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.257 C3 J	<1.00	<5.00 C3	<1.00	<1.00	
06/01/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.304 J	<1.00	<5.00	<1.00	<1.00	
AMW-15-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	5/4/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<1.00	<5.00 C3	<1.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotrifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.187 J	<1.00	<5.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.104 J	<1.00	<5.00	<1.00	<1.00 J4
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.139 J	<1.00	<5.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	6/1/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	11/28/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.147 J	<1.00 C3	<5.00	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
AMW-15-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-VD (cont.)	11/28/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<1.00	<5.00 C3	<1.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
AMW-3	1/13/2016	< 5.0	< 5.0	< 5.0	4.8 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-7R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00
3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
ASB-2	6/6/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-3	6/8/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-4	6/7/2016	4.2 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ASB-5	6/2/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-7	6/2/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
MW-18R	6/22/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	7/11/2018	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<5.00	<5.00	<5.00	<5.00 J4	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-18R (cont.)	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00
	5/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-23-D1R	10/26/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/26/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-23-D2R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	3/18/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
MW-23-D2R (cont.)	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<1.00	<5.00 C3	<1.00	<1.00	
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
MW-24-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
	6/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.56 J	< 1.0	< 1.0	< 1.0	< 1.0	
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.74 J	< 1.0	< 1.0	< 1.0	< 1.0	
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
	7/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	
	10/16/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	9/13/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	0.72 J [0.69 J]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	
	12/5/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	0.36 J [0.71 J]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	
	2/11/2020	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 * [<1.0]	< 1.0 * [<1.0]	< 1.0 [<1.0]	0.46 J [0.59 J]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	
	6/9/2020	<5.00 [<5.00]	<5.00 [<5.00]	22	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]
	8/19/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 J4 [<5.00 J4]
	11/5/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 J4 [<5.00 J4]
	3/19/2021	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	0.457 J [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]
	6/1/2021	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 J4 [<5.00]	0.406 J [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]
	11/16/2021	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00 C3]	<1.00 [<1.00]	<1.00 [<1.00]	0.327 J [0.365 J]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
	2/2/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.331 J [0.363 J]	<1.00 C3 [<1.00 C3]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
	5/4/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.344 J [0.408 J]	<1.00 C3 [<1.00 C3]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
	8/24/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.322 J [0.302 J]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
	11/29/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.330 J [0.280 J]	<1.00 C3 [<1.00 C3]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
	3/10/2023	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	0.252 J [<10.0]	<1.00 C3 [<10.0 C3]	<5.00 [<50.0]	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]
	5/31/2023	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	0.286 J [<10.0]	<1.00 [<10.0]	<5.00 [<50.0]	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]
MW-24-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
	10/25/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
	7/5/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-24-D2 (cont.)	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.293 J	<1.00	<5.00	<1.00	<1.00
	8/18/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.210 J	<1.00	<5.00	<1.00	<1.00 J4
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.553 J	<1.00	<5.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.611 J	<1.00	<5.00	<1.00	<1.00
	6/1/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.467 J	<1.00	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.324 J	<1.00	<5.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.354 J	<1.00	<5.00	<1.00	<1.00
	5/4/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.594 J	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00 C3	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.122 J	<1.00	<5.00	<1.00	<1.00
3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<1.00	<5.00 C3	<1.00	<1.00	
5/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
MW-24-VDR	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	8/18/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	6/1/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<1.00	<5.00 C3	<1.00	<1.00
	5/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-26-D1	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/22/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/5/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	8/27/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.285 J	<1.00	<5.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.218 J	<1.00	<5.00	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.159 J	<1.00	<5.00	<1.00	<1.00
6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.403 J	<1.00	<5.00	<1.00	<1.00	

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-26-D1 (cont.)	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.302 J	<1.00	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.115 J	<1.00	<5.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<1.00	<5.00 C3	<1.00	<1.00
6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.132 J	<1.00	<5.00	<1.00	<1.00	
MW-26-D2	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.102 J	<1.00	<5.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
MW-26-VD	1/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-27-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	< 1.0	< 1.0	< 1.0
	8/19/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00
	11/6/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.359 J	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.278 J	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.268 J	<1.00 J4	<5.00	<1.00	<1.00
	11/17/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.353 J	<1.00	<5.00	<1.00	<1.00
2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.325 J	<1.00	<5.00	<1.00	<1.00	
5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.294 J	<1.00 C3	<5.00 C3	<1.00	<1.00	

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-27-D1R (cont.)	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.381 J	<1.00 C3	<5.00	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<1.00	<5.00 C3	<1.00	<1.00
	5/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.322 J	<1.00	<5.00	<1.00	<1.00
MW-27-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.4 J	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.430 J	<1.00	<5.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.483 J	<1.00	<5.00	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.118 J	<1.00	<5.00	<1.00	<1.00
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.242 J	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.149 J	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00
	11/17/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.282 J	<1.00	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.204 J	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.195 J	<1.00	<5.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.362 J	<1.00 C3	<5.00	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.176 C3 J	<1.00	<5.00 C3	<1.00	<1.00
	5/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-28-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.76 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.58 J	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.69 J	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.67 J	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.4 J	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.209 J	<1.00	<5.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.172 J	<1.00	<5.00	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.741 J	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.163 J	<1.00	<5.00	<1.00	<1.00
8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.213 J	<1.00 J4	<5.00	<1.00	<1.00	
11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D1 (cont.)	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.920 C3 J	<1.00	<5.00 C3	<1.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	1.45	<1.00	<5.00	<1.00	<1.00
MW-28-D2R	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.48 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.67 J	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	0.74 J	< 1.0	0.79 J	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.74 J	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.155 J	<1.00	<5.00	<1.00	0.205 J
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.186 J	<1.00	<5.00	<1.00	0.251 J
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.342 J	<1.00	<5.00	<1.00	0.109 J
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.217 J	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.211 J	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.147 J	<1.00 J4	<5.00	<1.00	0.401 J
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.180 J	<1.00	<5.00	<1.00	0.392 B J
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.256 J	<1.00	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.672 J	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.590 J	<1.00	<5.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.294 J	<1.00 C3	<5.00	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.464 C3 J	<1.00	<5.00 C3	<1.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.634 J	<1.00	<5.00	<1.00	<1.00
MW-29-D1	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-29-D1 (cont.)	6/10/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<1.00	<5.00 C3	<1.00	<1.00
6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
MW-29-D2	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.3	< 1.0	< 1.0	< 1.0	< 1.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.8	< 1.0	< 1.0	< 1.0	< 1.0
MW-29-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D1	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.9	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D2	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	3.2 J	< 5.0	< 5.0	< 5.0	< 5.0
	1/14/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.9	< 2.0	< 2.0	< 2.0	< 2.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D2R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.94 J	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane
NYSDEC TOGS 1.1.1		0.6	1	3	3	50	50	NE	50	1	50
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-12	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	25 J	80	< 5.0
AMW-13-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	6.5 J	< 1.0	0.99 J
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.4 J	4.5	< 1.0
AMW-13-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	3.3 J	3.2 J	< 1.0	0.97 J
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	4.8 J	< 1.0	< 1.0
AMW-13-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	3.2 J	< 5.0	< 5.0	18	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	5.8 J	< 5.0	2.4 J	46	< 1.0	< 1.0
AMW-14-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	4.6 J	< 1.0	0.85 J
	7/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.9 J	4.3	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	2.0 J	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	4.7	< 2.0
	7/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	5.3 J	< 8.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	0.98 J	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	7.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.64 J	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.8	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	3.1	< 1.0
	6/10/2020	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	0.533 J	< 1.00
	8/19/2020	< 1.00	< 1.00	< 1.00 J4	< 1.00 J4	< 10.0	< 10.0	< 10.0	< 50.0	5.40	< 1.00
	11/4/2020	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	7.94	< 1.00
	3/19/2021	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	1.41 J	< 50.0	3.41	< 1.00
	6/2/2021	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0 C3	< 10.0	< 10.0	< 50.0 C3	6.24	< 1.00
	8/12/2021	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	5.51	< 1.00
	11/16/2021	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0 C3	2.10	< 1.00
	2/2/2022	< 1.00	< 1.00 J4	< 1.00	< 1.00	< 10.0	< 10.0	0.952 J	< 50.0 J4	4.61	< 1.00
	5/5/2022	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	4.62	< 1.00
	8/24/2022	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0 C3 J4	< 10.0	< 50.0	3.90	< 1.00
	11/29/2022	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	5.87	< 1.00
	3/9/2023	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0 J4	3.35	< 1.00
	05/31/2023	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	5.20	< 1.00
AMW-14-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	3.2 J	3.3 J	< 1.0	0.99 J
	7/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.1 J	0.88 J	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	9.6 J	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	6/10/2020	< 10.0	< 10.0	< 10.0	< 10.0	< 100	< 100	< 100	< 500	< 10.0	< 10.0

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	
NYSDEC TOGS 1.1.1 Units		0.6 ug/L	1 ug/L	3 ug/L	3 ug/L	50 ug/L	50 ug/L	NE ug/L	50 ug/L	1 ug/L	50 ug/L	
AMW-14-D2 (cont.)	8/19/2020	<10.0	<10.0	<10.0 J4	<10.0 J4	<100	<100	<100	<500	<10.0	<10.0	
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.249 BJ	<1.00	
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	
	2/2/2022	<1.00	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	0.154 J	<1.00	
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	
3/9/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	0.193 J	<1.00		
05/31/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.163 J	<1.00		
AMW-14-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	3.9 J	< 5.0	2.1 J	22	< 1.0	0.87 J	
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	8.9 J	< 1.0	< 1.0	
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.7 J	< 1.0	< 1.0	
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	
	7/12/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	
	5/10/2019	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	
	9/13/2019	0.43 J	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	
	12/5/2019	0.45 J	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	
	2/12/2020	0.46 J	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	
	8/20/2020	0.350 J	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	
	11/5/2020	0.119 J	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	
	3/19/2021	0.221 J	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	<1.00	<1.00	
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	
	11/16/2021	0.293 J	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	
	2/2/2022	<1.00	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	<1.00	<1.00	
	11/29/2022	0.343 J	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<50.0	<1.00	<1.00	
	3/9/2023	0.204 J	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<50.0 J4	<1.00	<1.00	
	05/31/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	
	AMW-15-D1	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	2.1 J	4.2 J	0.48 J	< 1.0
		7/27/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	3.9 J	< 5.0
10/26/2016		< 10	< 10	< 10	< 10	< 100	< 50	< 50	< 100	11	< 10	
10/26/2016		< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	5.1	< 4.0	
7/5/2017		< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	
8/27/2017		< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	12	< 4.0	
10/11/2017		< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	11	< 2.0	

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane
NYSDEC TOGS 1.1.1		0.6	1	3	3	50	50	NE	50	1	50
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D1 (cont.)	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 250	< 50	< 50	< 130	12	< 5.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	6.3	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	6.2	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	6.6	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	1.8	< 1.0
	6/10/2020	<5.00	<5.00	<5.00	<5.00	<50.0	<50.0	<50.0	<250	6.35	<5.00
	8/19/2020	<5.00	<5.00	<5.00	<5.00	<50.0	<50.0	<50.0	<250	4.70 J	<5.00
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	3.55	<1.00
	3/19/2021	<5.00	<5.00	<5.00	<5.00	<50.0	<50.0	<50.0	<250	5.80	<5.00
	6/2/2021	<1.00 J3	<1.00	<1.00	<1.00	<10.0 J3	<10.0	<10.0 J3	<50.0	1.74	<1.00 J3
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	6.78	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	6.26	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.06	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	4.13	<1.00
	11/28/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	5.99	<1.00
3/10/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	3.56	<1.00	
06/01/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	4.11	<1.00	
AMW-15-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	9.3 J	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	1.3 J	< 5.0	< 5.0	11	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.8 J	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	13	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	5.1 J	0.47 J	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	9.8	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	2.7 J	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.25 J	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.123 J	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.102 J	<1.00
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.529 J	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.824 BJ	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.538 J	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.261 J	<1.00
	5/4/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.427 J	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.354 J	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.330 J	<1.00 J4
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	0.198 J	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.344 J	<1.00

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane
NYSDEC TOGS 1.1.1		0.6	1	3	3	50	50	NE	50	1	50
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	6.9 J	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	7.3 J	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.6 J	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	36 J	3.7 J	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	16 J	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	0.29 J	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.664 J	<1.00
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.430 J	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	11.0	<10.0	0.640 J	62.4	12.8	<1.00
	6/1/2021	<1.00	<1.00	<1.00	<1.00	3.00 C3J	<10.0	<10.0	17.1 C3J	2.75	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	22.8	<10.0	0.960 J	84.1 C3	15.4	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	16.2	<10.0	0.843 J	60.5 C3	9.89	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<1.00	18.6 C5	<10.0	0.808 J	89.0	7.72	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	11.3	<10.0	1.08 J	64.7	7.96	<1.00
11/28/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	0.107 J	<1.00	
3/9/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	13.6 J J4	1.66	<1.00	
6/1/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.120 J	<1.00	
AMW-15-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.2 J	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	8.3 J	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	5.0 J	< 1.0	< 1.0
	7/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	8/19/2020	0.144 J	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	6/2/2021	0.101 J	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.120 BJ	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	3.67 J	<10.0	<10.0	16.8 C3J	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	<1.00	<1.00

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane
NYSDEC TOGS 1.1.1		0.6	1	3	3	50	50	NE	50	1	50
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-VD (cont.)	11/28/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00
AMW-3	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	280	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	3.4 J	< 5.0	< 5.0	21	< 1.0	< 1.0
AMW-7R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	30 J	5.7	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	6.2 J	1.1	< 1.0
	7/11/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	0.82 J	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	8.1 J	0.78 J	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	0.69 J	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	0.39 J	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	0.89 J	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	0.82 J	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.926 J	<1.00
	8/19/2020	<1.00	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	0.566 J	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.214 J	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.0960 J	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	1.08 B	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.109 J	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.124 J	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.395 J	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.987 J	<1.00
3/10/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	1.79	<1.00	
6/1/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	
ASB-2	6/6/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	6	20	1.8	1.9
ASB-3	6/8/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	5.5 J	< 1.0	0.75 J
ASB-4	6/7/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	3.0 J	< 5.0
ASB-5	6/2/2016	< 1.0	< 1.0	< 1.0	< 1.0	1.4 J	< 5.0	5	12	< 1.0	1.5
ASB-7	6/2/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	5.3 J	< 20	< 2.0	3.3
MW-18R	6/22/2016	< 10	< 10	< 10	< 10	< 100	< 50	< 50	< 100	310	< 10
	7/11/2018	< 20	< 20	< 20	< 20	74 J	< 100	< 100	330	48	< 20
	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	70 J	< 50	< 50	230	69	< 5.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	10	< 5.0	2.2 J	47	85	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	33	3.7 J	2.9 J	130	74	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	19	0.29 J	< 1.0
	6/9/2020	<5.00	<5.00	<5.00	<5.00	10.7 J	<50.0	<50.0	<250	27.0	<5.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	12.6	1.62 J	1.76 J	44.4 J	8.34	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	3.59 C3J	<10.0	0.967 J	16.8 C3J	8.23	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	14.0	<10.0	2.81 J	68.6	33.2	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	5.30 J	<10.0	1.95 J	16.2 C3 J	45.3	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	6.33 J	<10.0	1.05 J	17.3 J	7.11	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	6.75 J	<10.0	<10.0	<50.0	11.7	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	13.4 J	54.3	<1.00

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane
NYSDEC TOGS 1.1.1		0.6	1	3	3	50	50	NE	50	1	50
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-18R (cont.)	11/29/2022	<1.00	<1.00	<1.00	<1.00	1.92 J	<10.0	1.90 J	<50.0	27.1	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	7.85 J	1.13 J	1.85 J	35.1 J	10.2	<1.00
	5/31/2023	<1.00	<1.00	<1.00	<1.00	3.98 J	<10.0	1.04 J	<50.0	7.89	<1.00
MW-23-D1R	10/26/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0
	10/26/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0
	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	6.4 J	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0
	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	2.7 J	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	3.8	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.5	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.4	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.56 J	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.408 J	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.312 J	<1.00
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.0955 J	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.150 J	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.158 BJ	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.151 J	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.110 J	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00
MW-23-D2R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	23	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	4.0 J	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	7/12/2018	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	2.3	<1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.3	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.8	< 1.0
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.407 J	<1.00
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	3/18/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.110 J	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.0948 BJ	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.134 J	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.0984 J	<1.00

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane
NYSDEC TOGS 1.1.1 Units		0.6 ug/L	1 ug/L	3 ug/L	3 ug/L	50 ug/L	50 ug/L	NE ug/L	50 ug/L	1 ug/L	50 ug/L
MW-23-D2R (cont.)	2/2/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.124 J	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00
MW-24-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0
	6/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	5.4	< 4.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	4.1	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	4.9	< 1.0
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0
	7/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	11	< 8.0
	10/16/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 250	< 50	< 50	< 130	8.3	< 5.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.5	< 1.0
	9/13/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	<5.0 [<5.0]	<5.0 [<5.0]	13 [13]	< 1.0 [<1.0]
	12/5/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	<5.0 [<5.0]	[< 5.0]	5.7 [11]	< 1.0 [<1.0]
	2/11/2020	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	<5.0 [<5.0]	<5.0 [<5.0]	<5.0 [<5.0]	6[<5.0]	8.9 [13]	< 1.0 [<1.0]
	6/9/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<50.0 [<50.0]	<50.0 [<50.0]	<50.0 [<50.0]	<250 [<250]	10.3 [11.7]	<5.00 [<5.00]
	8/19/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<50.0 [<50.0]	<50.0 [<50.0]	<50.0 [<50.0]	<250 [<250]	10.2 [9.74]	<5.00 [<5.00]
	11/5/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<50.0 [<50.0]	<50.0 [<50.0]	<50.0 [<50.0]	<250 [<250]	10.9 [8.99]	<5.00 [<5.00]
	3/19/2021	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<10.0 [<50.0]	<10.0 [<50.0]	0.587 J[<50.0]	<50.0 [<250]	11.3 [11.5]	<1.00 [<5.00]
	6/1/2021	<1.00 [<5.00]	<1.00 [<5.00 C3]	<1.00 [<5.00]	<1.00 [<5.00]	<10.0 C3 [<50.0 C3]	<10.0 [<50.0 C3]	<10.0 [<50.0 C3]	<50.0 C3 [<250]	10.7 [9.19]	<1.00 [<5.00]
	11/16/2021	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 [<10.0]	0.529 J [0.584 J]	<50.0 C3 [<50.0 J4]	8.94 [8.91]	<1.00 [<1.00]
	2/2/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 [<10.0]	<10.0 [<10.0]	<50.0 [<50.0]	7.66 [8.31]	<1.00 [<1.00]
	5/4/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 [<10.0]	<10.0 [<10.0]	<50.0 [<50.0]	11.2 [12.1]	<1.00 [<1.00]
	8/24/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 C3 J4 [<10.0 C3 J4]	<10.0 [<10.0]	<50.0 [<50.0]	10.5 [9.61]	<1.00 [<1.00]
	11/29/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 [<10.0]	<10.0 [<10.0]	<50.0 J4 [<50.0 J4]	8.84 [7.97]	<1.00 [<1.00]
	3/10/2023	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<10.0 [<100]	<10.0 [<100]	<10.0 [<100]	<50.0 [<500]	8.10 [6.96 J]	<1.00 [<10.0]
	5/31/2023	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<10.0 [<100]	<10.0 [<100]	<10.0 [<100]	<50.0 [<500]	9.57 [7.13 J]	<1.00 [<10.0]
MW-24-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	3.3 J	< 5.0
	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	3.1 J	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	0.97 J	< 1.0
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	62	< 4.0	< 4.0
	10/25/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	56	3.0 J	< 5.0
	7/5/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	2.8 J	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	5.2	1.4	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.4 J	< 1.0

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane
NYSDEC TOGS 1.1.1		0.6	1	3	3	50	50	NE	50	1	50
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-24-D2 (cont.)	6/9/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.367 J	<1.00
	8/18/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.227 J	<1.00
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.581 J	<1.00
	3/19/2021	<1.00	1.08	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.662 J	<1.00
	6/1/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.681 BJ	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.406 J	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.259 J	<1.00
	5/4/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.559 J	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.486 J	<1.00 J4
3/10/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	0.207 J	<1.00	
5/31/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	
MW-24-VDR	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.4	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	5.5	7.2	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	8/18/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	2.68 J	139	<1.00	<1.00
	6/1/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.126 BJ	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.125 J	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00
5/31/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	
MW-26-D1	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	9.1	< 5.0
	6/22/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	9.3	< 4.0
	10/25/2016	< 10	< 10	< 10	< 10	< 100	< 50	< 50	< 100	8.6 J	< 10
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	12	< 4.0
	7/5/2017	< 10	< 10	< 10	< 10	< 100	< 50	< 50	< 100	8.7 J	< 10
	8/27/2017	< 10	< 10	< 10	< 10	< 100	< 50	< 50	< 100	9.5 J	< 10
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	6.5 J	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	17	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	4.9	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	9.3	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	6.2	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	7.5	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	8.93	<1.00
	8/19/2020	<1.00	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	6.46	<1.00
11/6/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	5.88	<1.00	
6/2/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	8.13	<1.00	

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane
NYSDEC TOGS 1.1.1		0.6	1	3	3	50	50	NE	50	1	50
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-26-D1 (cont.)	8/12/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	5.78	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	5.60	<1.00
	2/2/2022	<1.00	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	4.30	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	8.67	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	8.97	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	10.9	<1.00
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	5.40	<1.00
6/1/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	11.0	<1.00	
MW-26-D2	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	9.4 J	< 2.0	< 2.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	37	< 2.0	< 2.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	0.69 J	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.79 J	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.46 J	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	
MW-26-VD	1/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	170	< 1.0	< 1.0
MW-27-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	53	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	1.7 J	< 5.0	< 5.0	5.0 J	< 1.0	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	1.1 J	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	1.6 J	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	7.8	< 2.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	3.6	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.4	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	4.8	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	6.4	< 1.0
	8/19/2020	<5.00	<5.00	<5.00 J4	<5.00 J4	<50.0	<50.0	<50.0	<250	3.12 J	<5.00
	11/6/2020	<5.00	<5.00	<5.00	<5.00	<50.0	<50.0	<50.0	<250	2.58 J	<5.00
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.56	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	3.98	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	3.05	<1.00
	11/17/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	5.67	<1.00
	2/2/2022	<1.00	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	2.42	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.90	<1.00

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane
NYSDEC TOGS 1.1.1		0.6	1	3	3	50	50	NE	50	1	50
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-27-D1R (cont.)	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	2.02	<1.00
	5/31/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.53	<1.00
MW-27-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0
	6/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	8.2 J	< 20	< 20	38 J	160	< 4.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.263 BJ	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00
	11/17/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00
	2/2/2022	<1.00	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	3.41	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00
	5/31/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
MW-28-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	2.3 J	< 5.0	< 5.0	45	2.1	< 1.0
	7/28/2016	< 10	< 10	< 10	< 10	< 100	< 50	< 50	280	< 10	< 10
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	8.9	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	2.7 J	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	3.7 J	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	9.3 J	5.6	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.4	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	9.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	11.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	17.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	9.35	<1.00
	8/19/2020	<1.00	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	5.03	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	24.3	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	4.45	<1.00
8/12/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	5.94	<1.00	
11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	6.10	<1.00	

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane
NYSDEC TOGS 1.1.1		0.6	1	3	3	50	50	NE	50	1	50
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D1 (cont.)	2/2/2022	<1.00	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.96	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.390 J	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	3.27	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	3.87	<1.00
MW-28-D2R	6/24/2016	0.21 J	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.3 J	< 1.0	< 1.0
	7/28/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	4.4 J	< 1.0	1.2
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.50 J	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.24 J	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.174 BJ	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00
	2/2/2022	<1.00	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00
MW-29-D1	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	25 J	81	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	9.5 J	6.3	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	32	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	5.5	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	9.7	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	19	< 2.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	4.3	< 4.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 40	9.1 J	< 20	< 40	5.2	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	3.7	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	9.8	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.67 J	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane
NYSDEC TOGS 1.1.1		0.6	1	3	3	50	50	NE	50	1	50
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-29-D1 (cont.)	6/10/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.110 J	<1.00
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	0.488 J	<50.0	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<10.0 C3	<10.0	0.628 J	<50.0 C3	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	0.744 J	<50.0	<1.00	<1.00
MW-29-D2	3/10/2023	<1.00	<1.00	<1.00	<1.00	1.59 J	<10.0	2.43 J	<50.0 J4	<1.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	0.943 J	<50.0 C3	<1.00	<1.00
	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	1/14/2016	< 10	< 10	< 10	< 10	< 100	< 50	< 50	< 100	< 10	< 10
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	1.1	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
MW-30-D2	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0
	1/14/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
MW-30-VD	1/14/2016	< 10	< 10	< 10	< 10	< 100	< 50	< 50	< 100	< 10	< 10
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	5.9 J	< 1.0	< 1.0
MW-31-D1R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	11	1.1	< 1.0
MW-31-D2R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene
NYSDEC TOGS 1.1.1		50	5	60	5	5	5	7	5	5	0.4
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-12	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
AMW-13-D1	6/24/2016	3.4	< 1.0	2.7	< 1.0	< 1.0	< 1.0	0.37 J	< 1.0	< 1.0	< 1.0
	7/27/2016	1.1	< 1.0	2.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-D2	6/23/2016	4.2	< 1.0	0.66 J	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	< 1.0	< 1.0
	7/27/2016	0.62 J	< 1.0	12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-VD	6/23/2016	3.1	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	7.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-14-D1	6/24/2016	2.5	< 1.0	2.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/26/2016	< 1.0	< 1.0	2.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	1.3 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	0.79 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.3 J	< 1.0 *
	6/10/2020	<1.00	<5.00	0.294 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.427 J	<1.00
	8/19/2020	<1.00	<5.00	0.615 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/4/2020	<1.00 C3 J4	<5.00	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	0.221 J	<1.00
	3/19/2021	<1.00 C3	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.214 J	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.144 J	<1.00
	8/12/2021	<1.00	<5.00	0.713 J	<1.00	<1.00	<5.00	<5.00	<2.50 J4	<1.00	<1.00
	11/16/2021	<1.00	<5.00	1.66	<1.00	<1.00	<5.00	<5.00	<2.50	0.227 J	<1.00
	2/2/2022	<1.00	<5.00 C3	1.77	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00
	5/5/2022	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	0.184 C3 J	<1.00
	8/24/2022	<1.00	<5.00 C3	1.69	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/29/2022	<1.00	<5.00	0.346 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/9/2023	<1.00	<5.00	0.467 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
	05/31/2023	<1.00	<5.00	0.921 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
AMW-14-D2	6/23/2016	4.6	< 1.0	5.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/26/2016	1.3	< 1.0	12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	8.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	2.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	0.94 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	0.32 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	0.35 J	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *
	6/10/2020	<10.0	<50.0	<10.0	<10.0	<10.0	<50.0	<50.0	<25.0	<10.0	<10.0

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene
NYSDEC TOGS 1.1.1		50	5	60	5	5	5	7	5	5	0.4
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-14-D2 (cont.)	8/19/2020	<10.0	<50.0	<10.0	<10.0	<10.0	<50.0	<50.0	<25.0	2.50 J	<10.0
	11/5/2020	<1.00	<5.00	0.533 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/19/2021	<1.00 C3	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.244 J	<1.00
	8/12/2021	<1.00 C3	<5.00	1.10 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/16/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	2/2/2022	<1.00	<5.00 C3	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00
	5/5/2022	<1.00	<5.00	0.158 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	8/24/2022	<1.00	<5.00 C3	0.861 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/29/2022	<1.00	<5.00	0.131 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/9/2023	<1.00	<5.00	0.125 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
05/31/2023	<1.00	<5.00	0.603 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.164 J	<1.00	
AMW-14-VD	6/23/2016	3	< 1.0	0.63 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	9.9	< 1.0	< 1.0	< 1.0	0.37 J	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	0.25 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0*	<1.0	<1.0
	9/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	< 1.0 *
	6/10/2020	<1.00	<5.00	<1.00	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00
	8/20/2020	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/5/2020	<1.00 C3 J4	<5.00	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/19/2021	<1.00	<5.00	0.120 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00
	8/12/2021	<1.00 C3	<5.00	1.23 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/16/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	2/2/2022	<1.00	<5.00 C3	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00
	5/5/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	8/24/2022	<1.00	<5.00 C3	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/29/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/9/2023	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
	05/31/2023	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
AMW-15-D1	6/23/2016	2.2	< 1.0	0.46 J	< 1.0	< 1.0	< 1.0	0.51 J	< 1.0	20	< 1.0
	7/27/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	220	< 5.0
	10/26/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	81	< 10
	10/26/2016	< 4.0	< 4.0	1.7 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	38	< 4.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	2.7 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	5.1	< 4.0
	10/11/2017	< 2.0	< 2.0	2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.6 J	< 2.0

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene
NYSDEC TOGS 1.1.1		50	5	60	5	5	5	7	5	5	0.4
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D1 (cont.)	10/17/2018	< 5.0	< 5.0	1.7 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	5/9/2019	< 1.0	< 1.0	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.63 J	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *
	6/10/2020	<5.00	<25.0	<5.00	<5.00	<5.00	<25.0	<25.0	<12.5	<5.00	<5.00
	8/19/2020	<5.00	<25.0	6.45	<5.00	<5.00	<25.0	<25.0	<12.5	<5.00	<5.00
	11/4/2020	<1.00	<5.00	0.777 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.362 J	<1.00
	3/19/2021	<5.00 C3	<25.0	<5.00	<5.00	<5.00	<25.0	<25.0	<12.5 C3	<5.00	<5.00
	6/2/2021	<1.00	3.35 J	0.320 J	<1.00	<1.00 J3	<5.00 J3	<5.00	<2.50 J3	<1.00 J3	<1.00 J3
	11/16/2021	<1.00	<5.00	1.42	<1.00	<1.00	<5.00	<5.00	<2.50	0.229 J	<1.00
	2/1/2022	<1.00	<5.00	0.394 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.168 J	<1.00
	5/5/2022	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00
	8/24/2022	<1.00	<5.00 C3	1.30	<1.00	<1.00	<5.00	<5.00	<2.50	0.542 J	<1.00
	11/28/2022	<1.00	<5.00	0.248 J	<1.00	<1.00	<5.00	<5.00	<2.50	1.75	<1.00
3/10/2023	<1.00	<5.00	0.199 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	
06/01/2023	<1.00	<5.00 C3	0.356 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	0.616 J	<1.00	
AMW-15-D2	6/23/2016	< 1.0	< 1.0	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.3	< 1.0
	6/23/2016	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3	< 1.0
	7/27/2016	< 1.0	< 1.0	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.7	< 1.0
	10/26/2016	< 1.0	< 1.0	0.75 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.86 J	< 1.0
	10/26/2016	< 1.0	< 1.0	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	0.34 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.26 J	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0
	9/13/2019	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.34 J	< 1.0
	12/5/2019	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *
	6/9/2020	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.310 J	<1.00
	8/19/2020	<1.00	<5.00	2.33	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/4/2020	<1.00 C3 J4	<5.00	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	0.188 J	<1.00
	3/19/2021	<1.00	<5.00	0.230 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.157 J	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.242 J	<1.00
	8/12/2021	<1.00 C3	<5.00	4.08 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/16/2021	<1.00	<5.00	0.885 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.161 J	<1.00
	2/1/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.194 J	<1.00
	5/4/2022	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	0.176 C3 J	<1.00
	8/24/2022	<1.00	<5.00 C3	0.616 J	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.184 J	<1.00
	11/29/2022	<1.00	<5.00	0.159 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.370 J J4	<1.00
	3/10/2023	<1.00	<5.00	0.172 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
	6/1/2023	<1.00	<5.00 C3	0.520 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	0.242 J	<1.00

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene
NYSDEC TOGS 1.1.1		50	5	60	5	5	5	7	5	5	0.4
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3	6/23/2016	< 1.0	< 1.0	4.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	4.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	1.8 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	19	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	0.70 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.1	< 2.0
	10/17/2018	< 1.0	< 1.0	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.44 J	< 1.0
	5/10/2019	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0
	9/13/2019	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.99 J	< 1.0 *
	6/9/2020	<1.00	<5.00	0.318 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00
	8/19/2020	<1.00	<5.00	1.93	<1.00	<1.00	<5.00	<5.00	<2.50	1.73	<1.00
	11/4/2020	<1.00 C3 J4	<5.00	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	0.951 J	<1.00
	3/19/2021	<1.00	<5.00	1.23	<1.00	<1.00	<5.00	<5.00	<2.50	13.0	<1.00
	6/1/2021	<1.00	<5.00	1.29	<1.00	<1.00	<5.00	<5.00	<2.50 C3	3.81	<1.00
	8/12/2021	<1.00 C3	<5.00	5.26	<1.00	<1.00	<5.00	<5.00	<2.50	14.3	<1.00
	11/16/2021	<1.00	<5.00	2.96	<1.00	<1.00	<5.00	<5.00	<2.50	12.1	<1.00
	2/1/2022	<1.00	<5.00	1.89	<1.00	<1.00	<5.00	<5.00	<2.50	8.74	<1.00
	5/5/2022	<1.00	<5.00	2.38 C3	<1.00	<1.00	<5.00	<5.00	<2.50	8.40 C3	<1.00
	11/28/2022	<1.00	<5.00	0.456 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.132 J	<1.00
	3/9/2023	<1.00	<5.00	0.257 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	1.45	<1.00
	6/1/2023	<1.00	<5.00 C3	0.186 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00
AMW-15-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	2.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.74 J	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0
	9/13/2019	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *
	6/9/2020	<1.00	<5.00	<1.00	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00
	8/19/2020	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/4/2020	<1.00 C3 J4	<5.00	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/19/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00
	8/12/2021	<1.00 C3	<5.00	1.47 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/16/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	2/1/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	5/5/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	8/24/2022	<1.00	<5.00 C3	0.266 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene
NYSDEC TOGS 1.1.1		50	5	60	5	5	5	7	5	5	0.4
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-VD (cont.)	11/28/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/10/2023	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
	6/1/2023	<1.00	<5.00 C3	<1.00	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00
AMW-3	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-7R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	0.43 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *
	6/9/2020	<1.00	<5.00	<1.00	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00
	8/19/2020	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/6/2020	<1.00 C3	<5.00 C3	0.271 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/19/2021	<1.00	<5.00	0.140 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00
	8/12/2021	<1.00 C3	<5.00	1.06 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/16/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	5/5/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/29/2022	<1.00	<5.00	0.157 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
3/10/2023	<1.00	<5.00 C3	0.564 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	
6/1/2023	<1.00	<5.00 C3	<1.00	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00	
ASB-2	6/6/2016	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	14	< 1.0	5.6	< 1.0
ASB-3	6/8/2016	2.4	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0	0.92 J	< 1.0	2.8	< 1.0
ASB-4	6/7/2016	< 5.0	< 5.0	0.95 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	1600 E	< 5.0
ASB-5	6/2/2016	< 1.0	< 1.0	0.53 J	< 1.0	< 1.0	< 1.0	19	< 1.0	2.2	< 1.0
ASB-7	6/2/2016	< 2.0	< 2.0	1.1 J	< 2.0	< 2.0	< 2.0	21	< 2.0	67	< 2.0
MW-18R	6/22/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	14	< 10
	7/11/2018	< 20	< 20	6.2 J	< 20	< 20	< 20	< 20	< 20	< 20	< 20
	10/17/2018	< 5.0	< 5.0	2.4 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	9/14/2019	< 1.0	< 1.0	3.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0
	12/5/2019	< 1.0	< 1.0	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *
	6/9/2020	<5.00	<25.0	1.26 J	<5.00	<5.00 J4	<25.0	<25.0	<12.5	<5.00	<5.00
	3/19/2021	<1.00	<5.00	1.28	<1.00	<1.00	<5.00	<5.00	<2.50	0.268 J	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00
	8/12/2021	<1.00	<5.00	2.58	<1.00	<1.00	<5.00	<5.00	<2.50 J4	<1.00	<1.00
	11/16/2021	<1.00	<5.00	1.98	<1.00	<1.00	<5.00	<5.00	<2.50	0.357 J	<1.00
	2/2/2022	<1.00	<5.00	1.21	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	5/5/2022	<1.00	<5.00	0.804 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	8/25/2022	<1.00	<5.00 C3	1.76	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene
NYSDEC TOGS 1.1.1		50	5	60	5	5	5	7	5	5	0.4
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-18R (cont.)	11/29/2022	<1.00	<5.00	0.850 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/9/2023	<1.00	<5.00	1.02	<1.00	<1.00	<5.00	<5.00	<2.50	0.177 J	<1.00
	5/31/2023	<1.00	<5.00	0.313 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
MW-23-D1R	10/26/2016	< 2.0	< 2.0	0.53 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/26/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.7	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.73 J	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.72 J	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.35 J	< 1.0 *
	6/10/2020	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.382 J	<1.00
	8/19/2020	<1.00	<5.00	0.671 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.517 J	<1.00
	11/5/2020	<1.00 C3	<5.00 C3	0.400 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.267 J	<1.00
	3/19/2021	<1.00	<5.00	0.142 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.196 J	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.245 J	<1.00
	8/12/2021	<1.00 C3	<5.00	8.06	<1.00	<1.00	<5.00	<5.00	<2.50	0.388 J	<1.00
	11/16/2021	<1.00	<5.00	1.06	<1.00	<1.00	<5.00	<5.00	<2.50	0.529 J	<1.00
	2/2/2022	<1.00	<5.00	0.202 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.388 J	<1.00
	5/5/2022	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	0.215 C3 J	<1.00
	8/25/2022	<1.00	<5.00 C3	0.296 J	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.582 J	<1.00
	11/29/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.137 J	<1.00
	3/9/2023	<1.00	<5.00	0.112 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
	6/1/2023	<1.00	<5.00 C3	0.593 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	0.308 J	<1.00
MW-23-D2R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 1.0	< 1.0	0.44 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/19/2020	<1.00	<5.00	0.253 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/5/2020	<1.00 C3	<5.00 C3	0.447 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/18/2021	<1.00	<5.00	0.119 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00
	8/12/2021	<1.00 C3	<5.00	4.96	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/16/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene
NYSDEC TOGS 1.1.1		50	5	60	5	5	5	7	5	5	0.4
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	2/2/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	5/5/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	8/25/2022	<1.00	<5.00 C3	0.342 J	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00
	11/29/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/9/2023	<1.00	<5.00	0.110 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
	6/1/2023	<1.00	<5.00 C3	<1.00	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00
MW-24-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	10	< 5.0
	6/21/2016	< 4.0	< 4.0	1.6 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	4.9	< 4.0
	10/26/2016	< 1.0	< 1.0	1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4	< 1.0
	10/26/2016	< 1.0	< 1.0	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.1	< 1.0
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 8.0	< 8.0	2.1 J	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/16/2018	< 5.0	< 5.0	1.4 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	5/9/2019	< 1.0	< 1.0	0.62 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	<1.0* [<1.0*]	< 1.0 [<1.0]	3.2 [1.8]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	12/5/2019	<1.0 [<1.0]	< 1.0 [<1.0]	1.0 [1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	2/11/2020	<1.0 [<1.0]	< 1.0 [<1.0]	1.5 [1.4]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 * [<1.0]
	6/9/2020	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<25.0 [<25.0]	<12.5 [<12.5]	<5.00 [<5.00]	<5.00 [<5.00]
	8/19/2020	<5.00 [<5.00]	<25.0 [<25.0]	8.28 [3.68 J]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<25.0 [<25.0]	<12.5 [<12.5]	<5.00 [<5.00]	<5.00 [<5.00]
	11/5/2020	<5.00 C3 [<5.00 C3]	<25.0 C3 [<25.0 C3]	2.27 J [2.18 J]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<25.0 [<25.0]	<12.5 [<12.5]	<5.00 [<5.00]	<5.00 [<5.00]
	3/19/2021	<1.00 [<5.00] [<5.00 C3]	<5.00 [<25.0]	0.811 J [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	<5.00 [<25.0]	<2.50 [<12.5 C3]	0.131 J [<5.00]	<1.00 [<5.00]
	6/1/2021	<1.00 [<5.00]	<5.00 [<25.0 C3]	<1.00 [0.994 J]	<1.00 [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	<5.00 [<25.0]	<2.50 C3 [<12.5 C3]	0.133 J [<5.00]	<1.00 [<5.00]
	11/16/2021	<1.00 [<1.00]	<5.00 [<5.00]	2.66 [1.36]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<5.00 [<5.00]	<2.50 [<2.50]	<1.00 [<1.00]	<1.00 [<1.00 J4]
	2/2/2022	<1.00 [<1.00]	<5.00 [<5.00]	1.39 [1.29]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<5.00 [<5.00]	<2.50 [<2.50]	<1.00 [<1.00]	<1.00 [<1.00]
	5/4/2022	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 C3 [3.73]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<5.00 [<5.00]	<2.50 [<2.50]	<1.00 [<1.00]	<1.00 [<1.00]
	8/24/2022	<1.00 [<1.00]	<5.00 C3 [<5.00 C3]	2.59 [2.64]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<5.00 [<5.00]	<2.50 [<2.50]	<1.00 [0.192 J]	<1.00 [<1.00]
	11/29/2022	<1.00 [<1.00]	<5.00 [<5.00]	0.873 J [0.862 J]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<5.00 [<5.00]	<2.50 [<2.50]	0.234 J [0.211 J]	<1.00 [<1.00]
	3/10/2023	<1.00 [<10.0]	<5.00 [<50.0]	0.653 J [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<5.00 [<50.0]	<5.00 [<50.0]	<2.50 [<25.0]	0.218 J [<10.0]	<1.00 [<10.0]
	5/31/2023	<1.00 [<10.0]	<5.00 [<50.0]	0.703 J [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<5.00 [<50.0]	<5.00 [<50.0]	<2.50 [<25.0]	0.297 J [<10.0]	<1.00 [<10.0]
MW-24-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	0.31 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	7/5/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	0.24 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.52 J	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0
	9/13/2019	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene
NYSDEC TOGS 1.1.1		50	5	60	5	5	5	7	5	5	0.4
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-24-D2 (cont.)	6/9/2020	<1.00	<5.00	0.167 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	0.467 J	<1.00
	8/18/2020	<1.00	<5.00	0.266 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.364 J	<1.00
	11/5/2020	<1.00 C3	<5.00 C3	0.931 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.809 J	<1.00
	3/19/2021	<1.00	<5.00	0.376 J	<1.00	<1.00	<5.00	0.197 J	<2.50	0.652 J	<1.00
	6/1/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	0.122 J	<2.50 C3	0.514 J	<1.00
	11/16/2021	<1.00	<5.00	1.19	<1.00	<1.00	<5.00	<5.00	<2.50	0.555 J	<1.00
	2/2/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.358 J	<1.00
	5/4/2022	<1.00	<5.00	0.415 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.464 J	<1.00
	8/24/2022	<1.00	<5.00	0.166 J	<1.00 J4	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/29/2022	<1.00	<5.00	0.796 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.162 J J4	<1.00
3/10/2023	<1.00	<5.00	0.405 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	
5/31/2023	<1.00	<5.00	0.359 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	
MW-24-VDR	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	0.64 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	< 1.0
	5/9/2019	< 1.0	< 1.0	0.30 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0
	9/13/2019	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *
	6/9/2020	<1.00	<5.00	0.347 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	0.206 J	<1.00
	8/18/2020	<1.00	<5.00	0.394 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.140 J	<1.00
	11/5/2020	<1.00 C3	<5.00 C3	0.423 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.218 J	<1.00
	3/19/2021	<1.00	<5.00	0.150 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	6/1/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.141 J	<1.00
	11/16/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/29/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/10/2023	<1.00	<5.00	0.115 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
5/31/2023	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	
MW-26-D1	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/22/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/5/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	8/27/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	0.45 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.42 J	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.75 J	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0 *
	6/10/2020	<1.00	<5.00	0.773 J	<1.00	<1.00	<5.00	<5.00	<2.50	3.28	<1.00
	8/19/2020	<1.00	<5.00	0.360 J	<1.00	<1.00	<5.00	<5.00	<2.50	1.45	<1.00
	11/6/2020	<1.00 C3	<5.00 C3	0.582 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.903 J	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.486 J	<1.00

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene
NYSDEC TOGS 1.1.1		50	5	60	5	5	5	7	5	5	0.4
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-26-D1 (cont.)	8/12/2021	<1.00	<5.00	0.556 J	<1.00	<1.00	<5.00	<5.00	<2.50 J4	0.236 J	<1.00
	11/16/2021	<1.00	<5.00	1.38	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	2/2/2022	<1.00	<5.00 C3	0.625 J	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00
	5/5/2022	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00
	8/25/2022	<1.00	<5.00 C3	1.09	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/29/2022	<1.00	<5.00	0.174 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/10/2023	<1.00	<5.00	0.141 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
6/1/2023	<1.00	<5.00 C3	0.299 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00	
MW-26-D2	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/22/2016	< 1.0	< 1.0	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.86 J	< 1.0
	10/25/2016	< 2.0	< 2.0	0.60 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/5/2017	< 1.0	< 1.0	0.37 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	0.25 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.37 J	< 1.0 *
	6/10/2020	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.254 J	<1.00
	8/19/2020	<1.00	<5.00	0.204 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.398 J	<1.00
11/16/2021	<1.00	<5.00	0.770 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	
MW-26-VD	1/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	0.19 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-27-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	0.66 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.2	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.2	< 2.0
	7/13/2018	< 2.0	< 2.0	0.64 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2	< 2.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0
	5/10/2019	< 1.0	< 1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.57 J	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.80 J	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.95 J	< 1.0
	8/19/2020	<5.00	<25.0	0.852 J	<5.00	<5.00	<25.0	<25.0	<12.5	0.855 J	<5.00
	11/6/2020	<5.00 C3	<25.0 C3	1.74 J	<5.00	<5.00	<25.0	<25.0	<12.5	1.13 J	<5.00
	3/20/2021	<1.00 C3	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.751 J	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.790 J	<1.00
	8/12/2021	<1.00 C3	<5.00	10.7	<1.00	<1.00	<5.00	<5.00	<2.50	0.635 J	<1.00
	11/17/2021	<1.00	<5.00	1.34	<1.00	<1.00	<5.00	<5.00	<2.50	1.10	<1.00
	2/2/2022	<1.00	<5.00 C3	1.27	<1.00	<1.00	<5.00	<5.00	<2.50 J3	0.712 J	<1.00
5/5/2022	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	0.724 C3 J	<1.00	

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene
NYSDEC TOGS 1.1.1		50	5	60	5	5	5	7	5	5	0.4
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-27-D1R (cont.)	11/29/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/9/2023	<1.00	<5.00	0.180 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
	5/31/2023	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.605 J	<1.00
MW-27-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *
	6/10/2020	<1.00	<5.00	0.133 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00
	8/19/2020	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/6/2020	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/20/2021	<1.00	<5.00	0.155 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00
	8/12/2021	<1.00 C3	<5.00	0.421 B J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/17/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	2/2/2022	<1.00	<5.00 C3	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00
	5/5/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	8/25/2022	<1.00	<5.00 C3	0.143 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/29/2022	<1.00	<5.00	0.263 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.617 J	<1.00
	3/9/2023	<1.00	<5.00	0.112 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
	5/31/2023	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
MW-28-D1	6/24/2016	< 1.0	< 1.0	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	0.40 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	4.9	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	0.47 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	0.34 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *
	6/9/2020	<1.00	<5.00	<1.00	<1.00	<1.00 J4	<5.00	<5.00	<2.50	0.164 J	<1.00
	8/19/2020	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/6/2020	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.305 J	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00
8/12/2021	<1.00 C3	<5.00	6.60	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	
11/16/2021	<1.00	<5.00	1.38	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene
NYSDEC TOGS 1.1.1		50	5	60	5	5	5	7	5	5	0.4
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D1 (cont.)	2/2/2022	<1.00	<5.00 C3	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00
	5/5/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	8/25/2022	<1.00	<5.00 C3	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00
	11/29/2022	<1.00	<5.00	0.307 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/9/2023	<1.00	<5.00	0.312 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
	6/1/2023	<1.00	<5.00 C3	0.736 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	0.217 J	<1.00
MW-28-D2R	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	5.6	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0	0.51 J	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	0.38 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 1.0	0.95 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	1.0 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *
	6/9/2020	<1.00	<5.00	0.781 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00
	8/19/2020	<1.00	<5.00	0.404 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/6/2020	<1.00 C3	<5.00 C3	0.424 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/20/2021	<1.00	<5.00	0.102 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00
	8/12/2021	<1.00 C3	<5.00	1.48 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/16/2021	<1.00	<5.00	1.57	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	2/2/2022	<1.00	<5.00 C3	1.12	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00
	5/5/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	8/25/2022	<1.00	<5.00 C3	0.323 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/29/2022	<1.00	<5.00	0.106 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/9/2023	<1.00	<5.00	0.136 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
	6/1/2023	<1.00	<5.00 C3	<1.00	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00
MW-29-D1	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	0.21 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene
NYSDEC TOGS 1.1.1		50	5	60	5	5	5	7	5	5	0.4
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-29-D1 (cont.)	6/10/2020	<1.00	<5.00	0.307 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00
	8/19/2020	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	11/6/2020	<1.00 C3	<5.00 C3	0.364 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/20/2021	<1.00	<5.00	0.130 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	6/2/2021	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00
	8/12/2021	<1.00	<5.00	0.412 J	<1.00	<1.00	<5.00	<5.00	<2.50 J4	<1.00	<1.00
	5/5/2022	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00
	11/29/2022	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00
	3/10/2023	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00
6/1/2023	<1.00	<5.00 C3	0.109 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00	
MW-29-D2	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/21/2016	< 1.0	< 1.0	0.62 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-29-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D1	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	0.19 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D2	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/14/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	0.32 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D2R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-12	1/14/2016	12	< 5.0	< 5.0	< 5.0	24	< 13	32.0	5.4	< 5.0	< 5.0
AMW-13-D1	6/24/2016	< 1.0	2.4	< 1.0	< 1.0	< 1.0	< 2.5	10	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	0.82 J	< 1.0	1.8	< 1.0	< 2.5	63 F1	< 1.0	< 1.0	< 1.0
AMW-13-D2	6/23/2016	< 1.0	2.6	< 1.0	< 1.0	< 1.0	< 2.5	3.5	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	0.41 J	< 1.0	< 1.0	< 1.0	< 2.5	41	< 1.0	< 1.0	< 1.0
AMW-13-VD	6/23/2016	< 1.0	2.1	< 1.0	< 1.0	< 1.0	< 2.5	5	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	3.4	< 1.0	< 1.0	< 1.0
AMW-14-D1	6/24/2016	< 1.0	2	< 1.0	< 1.0	< 1.0	< 2.5	12	< 1.0	< 1.0	< 1.0
	7/26/2016	1.9	< 1.0	< 1.0	3.6	< 1.0	< 2.5	140 E	0.97 J	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	170	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	170	< 4.0	< 4.0	< 4.0
	10/11/2017	3	< 2.0	< 2.0	7.2	< 2.0	< 5.0	170	2.4	0.95 J	< 2.0
	7/12/2018	< 8.0	< 8.0	< 8.0	7.5 J	< 8.0	< 20	160	1.7 J	< 8.0	< 8.0
	10/17/2018	< 5.0	< 1.0	< 1.0	1	< 1.0	< 10	120	0.40 J	< 5.0	< 1.0
	5/10/2019	2.1	< 1.0	< 1.0	5.9	1.0	< 5.0	250	3.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	0.43 J	< 1.0	< 5.0	50	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	1.5	< 1.0	< 5.0	94	0.74 J	< 1.0	< 1.0
	2/12/2020	0.88 J	< 1.0 *	< 1.0	2.7	0.44 J	< 5.0	130	1.2	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<5.00	0.486 J	0.172 J	<20.0	37.6	<1.00	<5.00	<1.00
	8/19/2020	<1.00	<1.00	<5.00	6.29	1.08	<20.0	181	3.18	<5.00	<1.00
	11/4/2020	2.02	<1.00	<5.00	6.53	1.18	<20.0	190	3.97	<5.00	<1.00
	3/19/2021	1.33	<1.00	<5.00	3.34	0.698 J	<20.0	53.9	1.86	<5.00	<1.00
	6/2/2021	2.30 C5J4	<1.00	<5.00	6.68	1.26	<20.0 C3	164	5.18	<5.00	<1.00
	8/12/2021	<1.00	<1.00	<5.00	5.46	0.901 J	<20.0	140	3.53	<5.00	<1.00
	11/16/2021	1.16	<1.00	<5.00	2.18	0.516 J	<20.0	55.8	<1.00	<5.00	<1.00
	2/2/2022	1.61	<1.00	<5.00	4.70	0.893 J	<20.0	127	3.71	<5.00	<1.00
	5/5/2022	1.05	<1.00	<5.00	4.58	0.782 J	<20.0	124	2.09	<5.00	<1.00
	8/24/2022	1.43	<1.00	<5.00	4.33	0.700 J	<20.0	102	1.91	<5.00	<1.00 C3 J4
	11/29/2022	1.93 C5	<1.00	<5.00	6.90	1.16	<20.0	123	4.24	<5.00	<1.00
	3/9/2023	0.954 J	<1.00	<5.00	5.53	1.07	<20.0	106	1.35	<5.00	<1.00
	05/31/2023	1.45	<1.00	<5.00	6.13	1.05	<20.0	119	1.84	<5.00	<1.00
AMW-14-D2	6/23/2016	< 1.0	2.6	< 1.0	< 1.0	< 1.0	< 2.5	3.1	< 1.0	< 1.0	< 1.0
	7/26/2016	< 1.0	0.79 J	< 1.0	< 1.0	< 1.0	< 2.5	24	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.58 J	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	14	0.27 J	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	48	< 1.0	< 1.0	< 1.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	62	< 2.0	< 2.0	< 2.0
	10/17/2018	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	44	< 5.0	< 5.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	33	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	37	< 1.0	0.59 J	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	29	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	36	< 1.0	< 1.0	< 1.0
	6/10/2020	<10.0	<10.0	<50.0	<10.0	<10.0	<200	33.2	<10.0	<50.0	<10.0

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene	
NYSDEC TOGS 1.1.1		NE	50	5	5	5	NE	10	NE	5	5	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
AMW-14-D2 (cont.)	8/19/2020	<10.0	<10.0	<50.0	<10.0	<10.0	<200	32.0	<10.0	<50.0	<10.0	
	11/5/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	31.1	<1.00	<5.00	<1.00	
	3/19/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	20.8	<1.00	<5.00	<1.00	
	6/2/2021	0.201 JJ4	<1.00	<5.00	0.138 B J	<1.00	<20.0 C3	20.7	<1.00	<5.00	<1.00	
	8/12/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	26.3	<1.00	<5.00	<1.00	
	11/16/2021	0.585 J	<1.00	<5.00	<1.00	<1.00	<20.0	23.6	<1.00	<5.00	<1.00	
	2/2/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	29.1	<1.00	<5.00	<1.00	
	5/5/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	23.2	<1.00	<5.00	<1.00	
	8/24/2022	0.396 J	<1.00	<5.00	<1.00	<1.00	<20.0	14.6	<1.00	<5.00	<1.00 C3 J4	
	11/29/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	1.29	<1.00	<5.00	<1.00	
3/9/2023	<1.00	<1.00	<5.00	<1.00	0.106 J	<20.0	13.2	<1.00	<5.00	<1.00		
05/31/2023	0.544 J	<1.00	<5.00	<1.00	<1.00	<20.0	12.8	<1.00	<5.00	<1.00		
AMW-14-VD	6/23/2016	0.32 J	2	< 1.0	< 1.0	< 1.0	< 2.5	0.91 J	0.36 J	< 1.0	< 1.0	
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.59 J	< 1.0	< 1.0	< 1.0	
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.51 J	< 1.0	< 1.0	< 1.0	
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.42 J	< 1.0	< 1.0	< 1.0	
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.65 J	0.58 J	< 1.0	< 1.0	
	7/12/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.49 J	< 1.0	< 1.0	< 1.0	
	10/17/2018	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 5.0	< 5.0	< 1.0	
	5/10/2019	<1.0	<1.0	<1.0*	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	
	9/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	0.54 J	<1.0	0.36 J	<1.0	
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	
	2/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	
	6/10/2020	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0	0.317 J	<1.00	<5.00	<1.00	
	8/20/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.303 J	<1.00	<5.00	<1.00	
	11/5/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.434 J	<1.00	<5.00	<1.00	
	3/19/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.270 J	<1.00	<5.00	<1.00	
	6/2/2021	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	<1.00	<1.00	<5.00	<1.00	
	8/12/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.272 J	<1.00	<5.00	<1.00	
	11/16/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.267 J	<1.00	<5.00	<1.00	
	2/2/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.263 J	<1.00	<5.00	<1.00	
	5/5/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.217 J	<1.00	<5.00	<1.00	
	8/24/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.184 J	<1.00	<5.00	<1.00 C3 J4	
	11/29/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.198 J	<1.00	<5.00	<1.00	
	3/9/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.155 J	<1.00	<5.00	<1.00	
	05/31/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	
	AMW-15-D1	6/23/2016	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 2.5	29	< 1.0	9.9	< 1.0
		7/27/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	51	< 5.0	140	< 5.0
10/26/2016		< 10	< 10	< 10	< 10	< 10	< 25	110	3.3 J	8.9 J	< 10	
10/26/2016		2.0 J	< 4.0	< 4.0	< 4.0	< 4.0	< 10	180	0.87 J	4.1	< 4.0	
7/5/2017		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	170	< 4.0	< 4.0	< 4.0	
8/27/2017		< 4.0	< 4.0	< 4.0	4.1	< 4.0	< 10	200	< 4.0	2.2 J	< 4.0	
10/11/2017		< 2.0	< 2.0	< 2.0	4.3	< 2.0	< 5.0	300 E	< 2.0	< 2.0	< 2.0	

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D1 (cont.)	10/17/2018	2.8 J	< 5.0	< 5.0	5	< 5.0	< 50	170	1.2 J	< 25	< 5.0
	5/9/2019	0.79 J	< 1.0	< 1.0	2.6	< 1.0	< 5.0	120	0.50 J	< 1.0	< 1.0
	9/13/2019	0.66 J	< 1.0	< 1.0	2.3	< 1.0	< 5.0	100	0.51 J	< 1.0	< 1.0
	12/5/2019	0.77 J	< 1.0	< 1.0	2.8	< 1.0	< 5.0	120	< 1.0	0.41 J	< 1.0
	2/11/2020	0.33 J	< 1.0 *	< 1.0	0.99 J	< 1.0	< 5.0	37	< 1.0	< 1.0	< 1.0
	6/10/2020	<5.00	<5.00	<25.0	4.05 J	0.535 J	<100	171	<5.00	<25.0	<5.00
	8/19/2020	<5.00	<5.00	<25.0	2.57 J	<5.00	<100	94.3	<5.00	<25.0	<5.00
	11/4/2020	<1.00	<1.00	<5.00	1.80	0.216 J	<20.0	76.7	<1.00	<5.00	<1.00
	3/19/2021	<5.00	<5.00	<25.0	4.74 J	<5.00	<100	127	<5.00	<25.0	<5.00
	6/2/2021	0.674 J J3	<1.00 J3 J4	<5.00 J3	1.55	0.160 J	<20.0	40.2	<1.00	<5.00	<1.00
	11/16/2021	1.55	<1.00	<5.00	5.19	0.709 J	<20.0	149	<1.00	<5.00	<1.00
	2/1/2022	1.10	<1.00	<5.00	5.05	0.614 J	<20.0	116	1.02	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<5.00	1.61	0.206 J	<20.0	51.2	<1.00	<5.00	<1.00
	8/24/2022	0.665 J	<1.00	<5.00	2.63	0.269 J	<20.0	69.7	<1.00	<5.00	<1.00 C3 J4
	11/28/2022	0.851 J	<1.00	<5.00	3.45	0.465 J	<20.0	97.3	1.06 C5	<5.00	<1.00
	3/10/2023	0.405 J	<1.00	<5.00	3.22	0.420 J	<20.0	81.3	<1.00	<5.00	<1.00
	06/01/2023	0.401 J	<1.00	<5.00	2.48	0.327 J	<20.0	79.8 C3	<1.00	<5.00	<1.00
AMW-15-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	68	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	66	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	43	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	42	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	110 E	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	120	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	5.1	< 4.0	< 10	350	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	160	< 4.0	< 4.0	< 4.0
	10/17/2018	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	120	< 5.0	< 5.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	61	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	100	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	96	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	91	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	126	<1.00	<5.00	<1.00
	8/19/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	11.0	<1.00	<5.00	<1.00
	11/4/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	57.1	<1.00	<5.00	<1.00
	3/19/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	74.6	<1.00	<5.00	<1.00
	6/2/2021	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	57.3	<1.00	<5.00	<1.00
	8/12/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	3.23	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	62.0	<1.00	<5.00	<1.00
	2/1/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	32.6	<1.00	<5.00	<1.00
	5/4/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	28.9	<1.00	<5.00	<1.00
	8/24/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	21.5	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	49.3 C5 J4	<1.00	<5.00	<1.00
	3/10/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	18.1	<1.00	<5.00	<1.00
	6/1/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	38.8 C3	<1.00	<5.00	<1.00

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	2.4	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	2.6	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	23	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	3.4 J	< 4.0	< 10	64	< 4.0	2.4 J	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	22	< 2.0	< 2.0	< 2.0
	10/17/2018	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	10	< 5.0	< 5.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	16	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	14	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	7.7	< 1.0	0.32 J	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	51	<5.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0	10.1	<1.00	<5.00	<1.00
	8/19/2020	<1.00	<1.00	<5.00	0.161 J	<1.00	<20.0	72.8	<1.00	<5.00	<1.00
	11/4/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	80.6	<1.00	<5.00	<1.00
	3/19/2021	0.672 J	<1.00	<5.00	1.97	0.672 J	<20.0	63.6	<1.00	<5.00	0.147 J
	6/1/2021	0.193 J J4	<1.00	<5.00	0.562 B J	0.155 J	<20.0 C3	69.7	<1.00	<5.00	<1.00
	8/12/2021	0.639 J	<1.00	<5.00	2.22 B	0.564 J	<20.0	68.5	<1.00	<5.00	<1.00
	11/16/2021	0.861 J	<1.00	<5.00	1.57	0.435 J	<20.0	61.7	<1.00	<5.00	<1.00
	2/1/2022	0.705 J	<1.00	<5.00	1.02	0.332 J	<20.0	68.8	0.905 J	<5.00	<1.00
	5/5/2022	0.378 J	<1.00	<5.00	1.01	0.282 J	<20.0	51.2	<1.00	<5.00	<1.00
	11/28/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.432 J	<1.00	<5.00	<1.00
	3/9/2023	<1.00	<1.00	<5.00	0.215 J	<1.00	<20.0	12.9	<1.00	<5.00	<1.00
	6/1/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.664 C3 J	<1.00	<5.00	<1.00
AMW-15-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	1.1	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	1	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	1.2	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.94 J	< 1.0	< 1.0	< 1.0
	7/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.44 J	< 1.0	< 1.0	< 1.0
	10/17/2018	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	1.3	< 5.0	< 5.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	1.1	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	1.1	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0	0.856 J	<1.00	<5.00	<1.00
	8/19/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.684 J	<1.00	<5.00	<1.00
	11/4/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.581 J	<1.00	<5.00	<1.00
	3/19/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.437 J	<1.00	<5.00	<1.00
	6/2/2021	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	0.376 J	<1.00	<5.00	<1.00
	8/12/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.562 J	<1.00	<5.00	<1.00
	2/1/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.380 J	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	8/24/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.356 J	<1.00	<5.00	<1.00 C3 J4

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-VD (cont.)	11/28/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.375 J	<1.00	<5.00	<1.00
	3/10/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.226 J	<1.00	<5.00	<1.00
	6/1/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.190 C3 J	<1.00	<5.00	<1.00
AMW-3	1/13/2016	57	< 5.0	< 5.0	29	65	< 13	< 5.0	27	15	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.40 J	< 1.0	< 1.0	< 1.0
AMW-7R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	1.4 J	1.5 J	< 5.0	< 5.0
	6/21/2016	18	< 1.0	< 1.0	< 1.0	2.8	< 2.5	0.23 J	9.4	< 1.0	< 1.0
	7/11/2018	16	< 2.0	< 2.0	< 2.0	7.1	< 5.0	< 2.0	29	1.1 J	< 2.0
	10/17/2018	29	< 1.0	< 1.0	0.19 J	4.9	< 10	< 1.0	50	< 5.0	< 1.0
	5/10/2019	19	< 1.0	< 1.0	0.39 J	4.2	<5.0	< 1.0	31	< 1.0	< 1.0
	9/14/2019	16	< 1.0	< 1.0	< 1.0	4.4	<5.0	< 1.0	29	0.53 J	< 1.0
	12/6/2019	11	< 1.0	< 1.0	0.49 J	1.9	<5.0	< 1.0	7.7	< 1.0	< 1.0
	2/12/2020	17	< 1.0	< 1.0	0.49 J	3.9	< 5.0	< 1.0	24	< 1.0	< 1.0
	6/9/2020	13.5	<1.00	<5.00	0.805 J	4	<20.0	<1.00	14.9	<5.00	<1.00
	8/19/2020	14.6	<1.00	<5.00	0.331 J	3.11	<20.0	<1.00	25.1	<5.00	<1.00
	11/6/2020	11.6	<1.00	<5.00	<1.00	3.27	<20.0	<1.00	18.9	<5.00	<1.00
	3/19/2021	2.77	<1.00	<5.00	<1.00	0.968 J	<20.0	<1.00	7.03	<5.00	<1.00
	6/2/2021	11.9 C5 J4	<1.00	<5.00	0.892 B J	2.37	<20.0 C3	<1.00	12.6	<5.00	<1.00
	8/12/2021	4.00	<1.00	<5.00	<1.00	1.31	<20.0	<1.00	6.97	<5.00	<1.00
	11/16/2021	4.88	<1.00	<5.00	<1.00	1.62	<20.0	<1.00	<1.00	<5.00	<1.00
	5/5/2022	2.01	<1.00	<5.00	<1.00	0.786 J	<20.0	<1.00	<1.00	<5.00	<1.00
	11/29/2022	5.97 C5	<1.00	<5.00	0.461 J	1.76	<20.0	<1.00	5.63	<5.00	<1.00
	3/10/2023	2.86	<1.00	<5.00	0.992 J	1.33	<20.0	0.103 J	3.73	<5.00	<1.00
	6/1/2023	1.74	<1.00	<5.00	<1.00	0.910 J	<20.0	<1.00 C3	<1.00	<5.00	<1.00
ASB-2	6/6/2016	< 1.0	0.35 J	< 1.0	< 1.0	< 1.0	< 2.5	55	< 1.0	< 1.0	< 1.0
ASB-3	6/8/2016	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 2.5	8.5	< 1.0	0.60 J	< 1.0
ASB-4	6/7/2016	5	< 5.0	< 5.0	6.7	< 5.0	< 13	13	4.5 J	330	< 5.0
ASB-5	6/2/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	4.6	< 1.0	< 1.0	< 1.0
ASB-7	6/2/2016	< 2.0	0.65 J	< 2.0	< 2.0	< 2.0	< 5.0	5.5	< 2.0	< 2.0	< 2.0
MW-18R	6/22/2016	20	< 10	< 10	< 10	14	< 25	65	4.4 J	< 10	< 10
	7/11/2018	< 20	< 20	< 20	< 20	< 20	< 50	11 J	5.1 J	< 20	< 20
	10/17/2018	8.3 J	< 5.0	< 5.0	1.2 J	6.8	< 50	28	6.2 J	< 25	< 5.0
	9/14/2019	6.7	< 1.0	< 1.0	1.4	7.4	< 5.0	40	5.6	0.68 J	< 1.0
	12/5/2019	7.2	< 1.0	< 1.0	1.6	4.8	< 5.0	14	3.3	0.62 J	< 1.0
	2/12/2020	0.66 J	< 1.0	< 1.0	< 1.0	0.35 J	< 5.0	< 1.0	0.56 J	< 1.0	< 1.0
	6/9/2020	2.51 J	<5.00	<25.0	1.27 J	4.03 J	<100	3.42 J	<5.00	<25.0	<5.00
	3/19/2021	4.84	<1.00	<5.00	0.672 J	3.93	1.31 J	0.765 J	5.86	<5.00	<1.00
	6/2/2021	1.44 C5 J4	<1.00	<5.00	0.274 B J	1.11	<20.0 C3	1.06	1.01	<5.00	<1.00
	8/12/2021	3.32	<1.00	<5.00	0.916 J	3.61	<20.0	8.58	3.73	<5.00	<1.00
	11/16/2021	6.05	<1.00	<5.00	1.35	5.95	<20.0	26.5	5.60	<5.00	<1.00
	2/2/2022	2.95	<1.00	<5.00	0.658 J	3.09	<20.0	0.870 J	2.86	<5.00	<1.00
	5/5/2022	3.77	<1.00	<5.00	0.826 J	3.60	<20.0	0.295 J	4.84	<5.00	<1.00
	8/25/2022	1.81	<1.00	<5.00	0.537 J	2.08	<20.0	86.8	1.61	<5.00	<1.00 C3 J4

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-18R (cont.)	11/29/2022	3.75 C5	<1.00	<5.00	0.936 J	3.72	<20.0	8.16	3.20	<5.00	<1.00
	3/9/2023	3.66	<1.00	<5.00	0.933 J	4.26	<20.0	1.48	3.74	<5.00	<1.00
	5/31/2023	2.07	<1.00	<5.00	0.448 J	1.82	<20.0	0.477 J	2.40	<5.00	<1.00
MW-23-D1R	10/26/2016	0.40 J	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	140	< 2.0	< 2.0	< 2.0
	10/26/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	180	< 5.0	< 5.0	< 5.0
	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	210	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	30	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	140	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	130	< 4.0	< 4.0	< 4.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	150	< 4.0	< 4.0	< 4.0
	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	91	< 4.0	< 4.0	< 4.0
	10/17/2018	< 5.0	< 1.0	< 1.0	< 1.0	0.56 J	< 10	94	< 5.0	< 5.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	0.35 J	< 5.0	92	< 1.0	0.53 J	< 1.0
	12/5/2019	0.41 J	< 1.0	< 1.0	< 1.0	0.44 J	< 5.0	83	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 5.0	35	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<5.00	<1.00	0.439 J	<20.0	106	<1.00	<5.00	<1.00
	8/19/2020	0.267 J	<1.00	<5.00	<1.00	0.414 J	<20.0	85.5	<1.00	<5.00	<1.00
	11/5/2020	0.259 J	<1.00	<5.00	<1.00	0.314 J	<20.0	98.5	<1.00	<5.00	<1.00
	3/19/2021	<1.00	<1.00	<5.00	<1.00	0.163 J	<20.0	38.7	<1.00	<5.00	<1.00
	6/2/2021	<1.00 J4	<1.00	<5.00	<1.00	0.141 J	<20.0 C3	39.0	<1.00	<5.00	<1.00
	8/12/2021	<1.00	<1.00	<5.00	<1.00	0.312 J	<20.0	106	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<5.00	<1.00	0.368 J	<20.0	95.3	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<5.00	<1.00	0.179 J	<20.0	48.2	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<5.00	<1.00	0.170 J	<20.0	64.9	<1.00	<5.00	<1.00
	8/25/2022	<1.00	<1.00	<5.00	<1.00	0.307 J	<20.0	66.0	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	3.67	<1.00	<5.00	<1.00
	3/9/2023	<1.00	<1.00	<5.00	<1.00	0.186 J	<20.0	44.7	<1.00	<5.00	<1.00
	6/1/2023	<1.00	<1.00	<5.00	<1.00	0.184 J	<20.0	54.4 C3	<1.00	<5.00	<1.00
MW-23-D2R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	130	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	26	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	8	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	72	< 4.0	< 4.0	< 4.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	150 E	< 1.0	< 1.0	< 1.0
	7/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	8.8	<1.0	<1.0	<1.0
	5/9/2019	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	8.8	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	63	< 1.0	0.47 J	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	14	< 1.0	< 1.0	< 1.0
	8/19/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	42.2	<1.00	<5.00	<1.00
	11/5/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	71.1	<1.00	<5.00	<1.00
	3/18/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	57.0	<1.00	<5.00	<1.00
	6/2/2021	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	32.8	<1.00	<5.00	<1.00
	8/12/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	19.6	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	18.2	<1.00	<5.00	<1.00

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	2/2/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	40.3	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	23.5	<1.00	<5.00	<1.00
	8/25/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	20.1	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	21.7	<1.00	<5.00	<1.00
	3/9/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	29.7	<1.00	<5.00	<1.00
	6/1/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	4.03 C3	<1.00	<5.00	<1.00
MW-24-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	220	< 5.0	< 5.0	< 5.0
	6/21/2016	1.9 J	< 4.0	< 4.0	3.1 J	< 4.0	< 10	160	1.3 J	< 4.0	< 4.0
	10/26/2016	1.6	< 1.0	< 1.0	2.3	< 1.0	< 2.5	140 E	0.64 J	< 1.0	< 1.0
	10/26/2016	1.4	< 1.0	< 1.0	2.2	< 1.0	< 2.5	120 E	0.66 J	< 1.0	< 1.0
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	81	< 4.0	< 4.0	< 4.0
	7/12/2018	< 8.0	< 8.0	< 8.0	7.1 J	< 8.0	< 20	290	< 8.0	< 8.0	< 8.0
	10/16/2018	< 25	< 5.0	< 5.0	6.1	< 5.0	< 50	270	< 25	< 25	< 5.0
	5/9/2019	< 1.0	< 1.0	< 1.0	1.0	< 1.0	< 5.0	65	< 1.0	< 1.0	< 1.0
	9/13/2019	0.94 J	< 1.0 [<1.0]	< 1.0 [<1.0]	7.9 [7.2]	0.97 J [0.86 J]	<5.0 [<5.0]	210 [200]	0.63 J [0.57 J]	< 1.0 [<1.0]	< 1.0 [<1.0]
	12/5/2019	< 1.0 [0.99 J]	< 1.0 [<1.0]	< 1.0 [<1.0]	2.4 [7.2]	0.86 J	<5.0 [<5.0]	180 [210]	0.56 J	< 1.0 [<1.0]	< 1.0 [<1.0]
	2/11/2020	0.65 J [1.]	< 1.0 * [<1.0]	< 1.0 [<1.0]	5.7 [8.9]	0.61 J [1.0]	<5.0 [<5.0]	210 [220]	< 1.0 [0.57 J]	< 1.0 [<1.0]	< 1.0 [<1.0]
	6/9/2020	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	8.28 [8.90]	0.954 J [1.08 J]	<100 [<100]	195 [255]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]
	8/19/2020	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	6.80 [6.57]	0.712 J [0.681 J]	<100 [<100]	220 [206]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]
	11/5/2020	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	7.18 [5.76]	0.771 J [0.560 J]	<100 [<100]	207 [180]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]
	3/19/2021	0.766 J [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	8.35 [9.32]	1.04 [0.940 J]	<20.0 [<100]	201 [213]	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]
	6/1/2021	0.814 J J4 [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	7.61 [6.22]	0.925 J [0.888 J]	<20.0 C3 [<100 C3]	195 [174]	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]
	11/16/2021	0.881 J [0.353 J]	<1.00 [<1.00]	<5.00 [<5.00]	5.98 [6.64]	0.729 J [0.703 J]	<20.0 [<20.0]	199 [185]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]
	2/2/2022	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	4.91 [5.75]	0.534 J [0.604 J]	<20.0 [<20.0]	170 [182]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]
	5/4/2022	0.394 J [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	7.81 [8.33]	0.851 J [0.815 J]	<20.0 [<20.0]	180 [196]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]
	8/24/2022	0.736 J [0.785 J]	<1.00 [<1.00]	<5.00 [<5.00]	7.55 [7.22]	0.866 J [0.795 J]	<20.0 [<20.0]	186 [182]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 C3 J4 [<1.00 C3 J4]
	11/29/2022	0.529 J [0.497 J]	<1.00 [<1.00]	<5.00 [<5.00]	5.30 [4.90]	0.587 J [0.547 J]	<20.0 [<20.0]	125 [128]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]
	3/10/2023	<1.00 [<10.0]	<1.00 [<10.0]	<5.00 [<50.0]	5.25 [4.01 J]	0.543 J [<10.0]	<20.0 [<200]	136 [127]	<1.00 [<10.0]	<5.00 [<50.0]	<1.00 [<10.0]
	5/31/2023	0.913 J [<10.0]	<1.00 [<10.0]	<5.00 [<50.0]	7.14 [6.20 J]	0.746 J [<10.0]	<20.0 [<200]	152 [113]	0.669 J [<10.0]	<5.00 [<50.0]	<1.00 [<10.0]
MW-24-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	260	< 5.0	< 5.0	< 5.0
	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	250	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	0.84 J	< 1.0	< 2.5	140 E	< 1.0	< 1.0	< 1.0
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	120	< 4.0	120	< 4.0
	10/25/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	270	< 5.0	84 F1	< 5.0
	7/5/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 20	220	< 8.0	< 8.0	< 8.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 20	87	< 8.0	< 8.0	< 8.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	60	< 2.0	< 2.0	< 2.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	2.5	< 2.0	< 2.0	< 2.0
	10/17/2018	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	2	< 5.0	< 5.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	13	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.0 U	47	< 1.0	< 1.0	< 1.0

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-24-D2 (cont.)	6/9/2020	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0	136	<1.00	<5.00	<1.00
	8/18/2020	<1.00	<1.00	<5.00	<1.00	0.141 J	<20.0	76.4	<1.00	<5.00	<1.00
	11/5/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	296	<1.00	<5.00	<1.00
	3/19/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	448	<1.00	<5.00	<1.00
	6/1/2021	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	358	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<5.00	<1.00	0.209 J	<20.0	224	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	341	<1.00	<5.00	<1.00
	5/4/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	454	<1.00	<5.00	<1.00
	8/24/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	20.0	<1.00 J4	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<5.00	<1.00	0.143 J	<20.0	54.4 C5 J4	<1.00	<5.00	<1.00
3/10/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	42.0	<1.00	<5.00	<1.00	
5/31/2023	<1.00	<1.00	<5.00	<1.00	0.115 J	<20.0	37.5	<1.00	<5.00	<1.00	
MW-24-VDR	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	4.2	< 4.0	< 4.0	< 4.0
	10/17/2018	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	2.9	< 5.0	< 5.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	1.6	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	0.75 J	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	1	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0	0.998 J	<1.00	<5.00	<1.00
	8/18/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	1.16	<1.00	<5.00	<1.00
	11/5/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.944 J	<1.00	<5.00	<1.00
	3/19/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	1.01	<1.00	<5.00	<1.00
	6/1/2021	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	0.782 J	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.249 J	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.165 J	<1.00	<5.00	<1.00
	3/10/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	5/31/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.533 J	<1.00	<5.00	<1.00
MW-26-D1	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	380	< 5.0	< 5.0	< 5.0
	6/22/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	340	< 4.0	< 4.0	< 4.0
	10/25/2016	< 10	< 10	< 10	< 10	< 10	< 25	310	< 10	< 10	< 10
	10/25/2016	< 4.0	< 4.0	< 4.0	3.0 J	< 4.0	< 10	390	< 4.0	3.6 J	< 4.0
	7/5/2017	< 10	< 10	< 10	< 10	< 10	< 25	290	< 10	< 10	< 10
	8/27/2017	< 10	< 10	< 10	< 10	< 10	< 25	240	< 10	< 10	< 10
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	3.5	< 2.0	< 5.0	220 E	< 2.0	< 2.0	< 2.0
	10/17/2018	< 5.0	< 1.0	< 1.0	0.95 J	0.43 J	< 10	110	< 5.0	< 5.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	1.8	0.73 J	< 5.0	86	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	1.2	0.56 J	< 5.0	77	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0 *	< 1.0	1.3	0.67 J	< 5.0	80	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<5.00	2.47	1.06	<20.0	115	<1.00	<5.00	<1.00
	8/19/2020	<1.00	<1.00	<5.00	1.38	0.555 J	<20.0	97.4	<1.00	<5.00	<1.00
	11/6/2020	0.189 J	<1.00	<5.00	1.05	0.459 J	<20.0	84.1	<1.00	<5.00	<1.00
	6/2/2021	0.191 J J4	<1.00	<5.00	1.99	0.628 J	<20.0 C3	105	<1.00	<5.00	<1.00

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-26-D1 (cont.)	8/12/2021	0.276 J	<1.00	<5.00	0.973 J	0.250 J	<20.0	67.5	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<5.00	0.947 J	0.509 J	<20.0	75.6	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<5.00	0.657 J	0.281 J	<20.0	69.0	<1.00	<5.00	<1.00
	5/5/2022	0.211 J	<1.00	<5.00	2.39	0.621 J	<20.0	68.9	<1.00	<5.00	<1.00
	8/25/2022	0.506 J	<1.00	<5.00	2.74	0.818 J	<20.0	65.0	<1.00	<5.00	<1.00 C3 J4
	11/29/2022	<1.00	<1.00	<5.00	1.69	0.427 J	<20.0	65.3	<1.00	<5.00	<1.00
	3/10/2023	<1.00	<1.00	<5.00	2.08	0.476 J	<20.0	51.7	<1.00	<5.00	<1.00
	6/1/2023	0.253 J	<1.00	<5.00	4.17	0.804 J	<20.0	63.2 C3	<1.00	<5.00	<1.00
MW-26-D2	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	59	< 1.0	< 1.0	< 1.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	85	< 2.0	15	< 2.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	43	< 2.0	81	< 2.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 20	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	14	< 1.0	< 1.0	< 1.0
	10/17/2018	< 5.0	< 1.0	< 1.0	0.39 J	< 1.0	< 10	76	< 5.0	< 5.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0*	0.44 J	< 1.0	< 5.0	84	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	60	< 1.0	0.44 J	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	29	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	52	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	105	<1.00	<5.00	<1.00
	8/19/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	64.4	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
MW-26-VD	1/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.96 J	< 1.0	< 1.0	< 1.0
MW-27-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	10	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	84	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	100	< 2.0	0.94 J	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	62	< 2.0	< 2.0	< 2.0
	10/18/2018	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	38	< 5.0	< 5.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	18	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	0.40 J	< 1.0	< 5.0	33	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	0.48 J	< 1.0	< 5.0	39	< 1.0	< 1.0	< 1.0
	8/19/2020	<5.00	<5.00	<25.0	<5.00	<5.00	<100	26.0	<5.00	<25.0	<5.00
	11/6/2020	<5.00	<5.00	<25.0	<5.00	<5.00	<100	22.2	<5.00	<25.0	<5.00
	3/20/2021	<1.00	<1.00	<5.00	0.263 J	<1.00	<20.0	21.1	<1.00	<5.00	<1.00
	6/2/2021	<1.00 J4	<1.00	<5.00	0.387 B J	<1.00	<20.0 C3	27.6	<1.00	<5.00	<1.00
	8/12/2021	<1.00	<1.00	<5.00	0.322 BJ	<1.00	<20.0	21.3	<1.00	<5.00	<1.00
	11/17/2021	0.673 J	<1.00	<5.00	0.722 J	<1.00	<20.0	37.6	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<5.00	0.165 J	<1.00	<20.0	18.8	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<5.00	0.394 J	<1.00	<20.0	19.1	<1.00	<5.00	<1.00

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-27-D1R (cont.)	11/29/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.247 J	<1.00	<5.00	<1.00
	3/9/2023	<1.00	<1.00	<5.00	0.214 J	<1.00	<20.0	12.5	<1.00	<5.00	<1.00
	5/31/2023	0.517 J	<1.00	<5.00	0.258 J	<1.00	<20.0	15.2	<1.00	<5.00	<1.00
MW-27-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	22 J	< 4.0	< 4.0	92	38	< 10	8.1	26	5.7	< 4.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	3.4 J	< 4.0	< 4.0	< 4.0
	10/18/2018	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 5.0	< 5.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	7.9	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	9.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	4.9	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	4.7	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0	0.843 J	<1.00	<5.00	<1.00
	8/19/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	1.21	<1.00	<5.00	<1.00
	11/6/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	3/20/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.380 J	<1.00	<5.00	<1.00
	6/2/2021	<1.00 J4	<1.00	<5.00	0.193 B J	<1.00	<20.0 C3	0.132 J	<1.00	<5.00	<1.00
	8/12/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	11/17/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	8/25/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.113 J	<1.00	<5.00	<1.00 C3 J4
	11/29/2022	<1.00	<1.00	<5.00	0.321 J	<1.00	<20.0	16.7	<1.00	<5.00	<1.00
	3/9/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	5/31/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
MW-28-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	6.2	< 1.0	< 1.0	< 1.0
	7/28/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 25	4.7 J	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 2.5	19	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	6.6	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	4.8	< 4.0	< 4.0	< 4.0
	10/17/2018	< 5.0	< 1.0	< 1.0	1.4	0.33 J	< 10	9.5	< 5.0	< 5.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0*	0.49 J	< 1.0	< 5.0	7	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	1.7	0.56 J	< 5.0	22	< 1.0	0.42 J	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	1.1	1.0 U	5.0 U	21	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	2.1	0.34 J	< 5.0	34	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<5.00	2.5	0.440 J	<20.0	20.1	<1.00	<5.00	<1.00
	8/19/2020	<1.00	<1.00	<5.00	0.750 J	<1.00	<20.0	16.5	<1.00	<5.00	<1.00
	11/6/2020	0.296 J	<1.00	<5.00	3.68	0.548 J	<20.0	28.8	<1.00	<5.00	<1.00
	6/2/2021	<1.00 J4	<1.00	<5.00	1.74	0.221 J	<20.0 C3	7.53	<1.00	<5.00	<1.00
8/12/2021	<1.00	<1.00	<5.00	1.48 B	0.211 J	<20.0	8.64	<1.00	<5.00	<1.00	
11/16/2021	<1.00	<1.00	<5.00	1.53	0.200 J	<20.0	7.56	<1.00	<5.00	<1.00	

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics									
		Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D1 (cont.)	2/2/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<5.00	1.47	<1.00	<20.0	5.26	<1.00	<5.00	<1.00
	8/25/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.460 J	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	3.34	<1.00	<5.00	<1.00
	3/9/2023	<1.00	<1.00	<5.00	1.34	0.211 J	<20.0	6.58	<1.00	<5.00	<1.00
	6/1/2023	<1.00	<1.00	<5.00	1.15	0.157 J	<20.0	5.74 C3	<1.00	<5.00	<1.00
MW-28-D2R	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	< 1.0	3.2	< 1.0	< 1.0	< 1.0	< 2.5	0.25 J	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 5.0	< 5.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0	<1.00	<1.00	<5.00	<1.00
	8/19/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	11/6/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.108 J	<1.00	<5.00	<1.00
	3/20/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	<1.00	<1.00	<5.00	<1.00
	8/12/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.131 J	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.418 J	<1.00	<5.00	<1.00
	8/25/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.343 J	<1.00	<5.00	<1.00 C3 J4
	11/29/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.107 J	<1.00	<5.00	<1.00
	3/9/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.239 J	<1.00	<5.00	<1.00
	6/1/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.311 C3 J	<1.00	<5.00	<1.00
MW-29-D1	1/14/2016	13	< 5.0	< 5.0	< 5.0	24	< 13	34	5.5	< 5.0	< 5.0
	6/21/2016	8	< 1.0	< 1.0	< 1.0	5.4	< 2.5	23	3.8	< 1.0	< 1.0
	10/26/2016	21	< 1.0	< 1.0	< 1.0	16	< 2.5	44	10	< 1.0	< 1.0
	10/26/2016	11	< 1.0	< 1.0	< 1.0	6.4	< 2.5	23	2.5	< 1.0	< 1.0
	7/5/2017	7.6	< 2.0	< 2.0	< 2.0	7.7	< 5.0	71	1.8 J	< 2.0	< 2.0
	8/27/2017	12	< 2.0	< 2.0	< 2.0	9.3	< 5.0	28	5.8	< 2.0	< 2.0
	10/12/2017	5.4	< 4.0	< 4.0	< 4.0	5.8	< 10	20	1.5 J	< 4.0	< 4.0
	7/13/2018	24	< 4.0	< 4.0	< 4.0	19	< 10	39	11	< 4.0	< 4.0
	10/18/2018	20	< 1.0	< 1.0	0.31 J	16	< 10	33	11	< 5.0	< 1.0
	5/10/2019	24	< 1.0	< 1.0*	0.34 J	18	< 5.0	51	8.6	< 1.0	< 1.0
	9/14/2019	2.8	< 1.0	< 1.0	< 1.0	2.2	< 5.0	18	1.2	0.48 J	< 1.0
	12/6/2019	0.47 J	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	12	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 5.0	3.1	< 1.0	< 1.0	< 1.0

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Table 3
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Chevron Facility #6518040
Former Gulf Oil Terminal
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Location ID	Date Sampled	Volatile Organics									
		Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-29-D1 (cont.)	6/10/2020	<1.00	<1.00	<5.00	<1.00 J4	0.107 J	<20.0	22.7	<1.00	<5.00	<1.00
	8/19/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	29.5	<1.00	<5.00	<1.00
	11/6/2020	0.536 J	<1.00	<5.00	<1.00	<1.00	<20.0	28.7	<1.00	<5.00	<1.00
	3/20/2021	0.452 J	<1.00	<5.00	<1.00	<1.00	<20.0	26.4	<1.00	<5.00	<1.00
	6/2/2021	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	1.76	<1.00	<5.00	<1.00
	8/12/2021	0.556 J	<1.00	<5.00	<1.00	0.105 J	<20.0	20.9	<1.00	<5.00	<1.00
	5/5/2022	0.428 J	<1.00	<5.00	<1.00	<1.00	<20.0	33	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	15.9	<1.00	<5.00	<1.00
3/10/2023	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	8.73	<1.00	<5.00	<1.00	
6/1/2023	0.235 J	<1.00	<5.00	<1.00	<1.00	<20.0	14.1 C3	<1.00	<5.00	<1.00	
MW-29-D2	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	66	< 1.0	< 1.0	< 1.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	51	< 1.0	< 1.0	< 1.0
MW-29-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.42 J	< 1.0	< 1.0	< 1.0
MW-30-D1	1/14/2016	0.39 J	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	100 E	< 1.0	< 1.0	< 1.0
	6/22/2016	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	53	< 1.0	< 1.0	< 1.0
MW-30-D2	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	7.3	< 5.0	< 5.0	< 5.0
	1/14/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	8.1	< 2.0	< 2.0	< 2.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	3	< 1.0	< 1.0	< 1.0
MW-30-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.47 J	< 1.0	< 1.0	< 1.0
MW-31-D1R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	3.3	< 1.0	< 1.0	< 1.0
MW-31-D2R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.32 J	< 1.0	< 1.0	< 1.0

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175	
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
AMW-12	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA
AMW-13-D1	6/24/2016	0.38 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	< 2.0	NA	NA
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	9.9	< 2.0	NA	NA
AMW-13-D2	6/23/2016	0.57 J	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
AMW-13-VD	6/23/2016	1.5	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	7/27/2016	1	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
AMW-14-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.4	< 2.0	NA	NA
	7/26/2016	< 1.0	7.1	7.8	< 1.0	< 1.0	< 1.0	1600 E	11	NA	NA
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	78	3.2 J	130	< 150
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	7.6	< 8.0	79	< 330
	10/11/2017	< 2.0	1.0 J	13	< 2.0	< 2.0	< 2.0	3.2	20	23	< 170
	7/12/2018	< 8.0	< 8.0	8.6	< 8.0	< 8.0	< 8.0	< 8.0	16	42	< 660
	10/17/2018	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	32	1.6 J	120 B	< 330
	5/10/2019	< 1.0	0.84 J	11	< 1.0	< 1.0	< 1.0*	2.1	16	73	150 J
	9/13/2019	< 1.0	< 1.0	3.5	< 1.0	< 1.0	< 1.0	9	< 2.0	150	<83
	12/5/2019	< 1.0	< 1.0	9.0	< 1.0	0.44 J	< 1.0	22	1.8 J	160	13
	2/12/2020	< 1.0	0.58 J	12.0	< 1.0	0.46 J	< 1.0	40	5.7	100 B	160
	6/10/2020	<1.00	<1.00	3.79	<1.00	0.218 J	<5.00	5.59	0.780 J	43.1 T8	<13.0
	8/19/2020	<1.00	0.465 J	10.8	<1.00	<1.00	<5.00	4.74	4.86	42,500 T8	378
	11/4/2020	<1.00	0.552 J	12.1	<1.00	0.290 J	<5.00	6.16	3.95	28.2 T8	816
	3/19/2021	<1.00	0.439 J	14.3	<1.00	0.342 J	<5.00	25.3	3.77	61.8 P1 T8	110
	6/2/2021	<1.00	0.413 J	16.2	<1.00	0.335 J	<5.00	7.18	3.61	36.4 T8	831
	8/12/2021	<1.00	0.455 J	22.2	<1.00	<1.00	<5.00	<1.00 J4	3.90	56.1 B T8	437
	11/16/2021	<1.00	0.313 J	14.6	<1.00	0.369 J	<5.00	10.4	2.95 J	60.8 BT8	14.6
	2/2/2022	<1.00	0.320 J	11.9	<1.00	<1.00	<5.00	<1.00	1.38 J	40.8 T8	93.6
	5/5/2022	<1.00 C3	0.419 J	15.9	<1.00	0.300 J	<5.00	9.17	2.71 J	<20 J T8	325
	8/24/2022	<1.00	0.302 J	14.5	<1.00 J4	<1.00	<5.00	5.48	1.14 J	84.9 B T8	250
	11/29/2022	<1.00	0.339 J	20.6	<1.00	<1.00	<5.00	4.80	2.89 J	67.7 B T8	381
	3/9/2023	<1.00	<1.00	6.08	<1.00	<1.00	<5.00	<1.00	0.436 J	30,500 B T8	316
	05/31/2023	<1.00	0.305 J	6.97	<1.00	<1.00	<5.00	<1.00	0.448 J	31.2 B T8	453
AMW-14-D2	6/23/2016	< 1.0	0.81 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	7/26/2016	< 1.0	0.64 J	0.90 J	< 1.0	< 1.0	< 1.0	3.6	< 2.0	NA	NA
	7/27/2016	0.38 J	7.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	18	< 83
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	100	< 170
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	120	< 330
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	150 B	< 330
	5/10/2019	< 1.0	< 1.0	0.85 J	< 1.0	< 1.0	< 1.0	0.32 J	<2.0	150	< 330
	9/13/2019	< 1.0	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0	0.65 J	<2.0	160	<83
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.33 J	<2.0	170	0.74 J
	2/12/2020	< 1.0	< 1.0	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	<2.0	120 B	1.1 J
	6/10/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	4.00 J	69.7 T8	<13.0

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175	
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
AMW-14-D2 (cont.)	8/19/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<30.0	55,800 T8	<13.0
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	26.3 T8	<13.0
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	44.6 T8	<13.0
	6/2/2021	<1.00	<1.00	0.977 J	<1.00	<1.00	<5.00	6.49	<3.00	47.6 T8	<13.0
	8/12/2021	<1.00	<1.00	0.198 J	<1.00	<1.00	<5.00	<1.00	<3.00	91.0 T8	<13.0
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	89.4 T8	<13.0
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	103 T8	<13.0
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3J4	<1.00	<3.00	69.3 B T8	<13.0
	8/24/2022	<1.00	<1.00	0.835 J	<1.00 J4	<1.00	<5.00	<1.00	<3.00	107 T8	<13.0
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	36.3 B T8	<13.0
3/9/2023	<1.00	<1.00	0.835 J	<1.00	<1.00	<5.00	<1.00	<3.00	72,800 B T8	<13.0	
05/31/2023	<1.00	<1.00	0.735 J	<1.00	<1.00	<5.00	<1.00	<3.00	105 B T8	<13.0	
AMW-14-VD	6/23/2016	0.59 J	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.79 J	NA	<13.0
	7/27/2016	0.41 J	8.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	<13.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	120	<13.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	100	<13.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.2	82	<13.0
	7/12/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	120	< 7.5
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	110 B	< 7.5
	5/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	130	<7.5 H
	9/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	140	<7.5
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	130	< 4.0
	2/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	100 B	< 4.0
	6/10/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00	88.9 T8	<13.0
	8/20/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	82,100 T8	<13.0
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	<20 T8	<13.0
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	82.5 T8	<13.0
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	99.3 T8	<13.0
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	148 T8	<13.0
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	112 T8	<13.0
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	138 T8	<13.0
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3J4	<1.00	<3.00	112 B T8	<13.0
	8/24/2022	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00	<3.00	100 B T8	<13.0
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	87.3 B T8	<13.0
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	116,000 B T8	<13.0
	05/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	203 T8	<13.0
AMW-15-D1	6/23/2016	0.43 J	3	< 1.0	< 1.0	5.5	< 1.0	70	< 2.0	NA	NA
	7/27/2016	< 5.0	7.5	< 5.0	< 5.0	73	< 5.0	410	6.5 J	NA	NA
	10/26/2016	< 10	18	< 10	< 10	48	< 10	600 F1	15 J	NA	NA
	10/26/2016	< 4.0	6.6	< 4.0	< 4.0	18	< 4.0	240	5.5 J	NA	NA
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	10	< 8.0	110	< 150
	8/27/2017	< 4.0	17	28	< 4.0	< 4.0	< 4.0	76	17	27	92 J
	10/11/2017	< 2.0	5.9	13	< 2.0	< 2.0	< 2.0	24	12	34	< 330

See Notes on Page 85.

Table 3

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Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175	
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
AMW-15-D1 (cont.)	10/17/2018	< 5.0	1.5 J	21	< 5.0	< 5.0	< 5.0	< 5.0	19	40	< 660
	5/9/2019	< 1.0	< 1.0	7.4	< 1.0	< 1.0	< 1.0*	1.1	6.3	52	<830
	9/13/2019	< 1.0	< 1.0	6.7	< 1.0	< 1.0	< 1.0	2	5.1	47	290 J
	12/5/2019	< 1.0	0.43 J	7.1	< 1.0	< 1.0	< 1.0	2.2	5.8	39	490
	2/11/2020	< 1.0	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 1.0	1.6 J	20 B	89
	6/10/2020	<5.00	<5.00	5.47	<5.00	<5.00	<25.0	<5.00	6.20 J	<20.0 T8	775
	8/19/2020	<5.00	<5.00	4.20 J	<5.00	<5.00	<25.0	<5.00	2.96 J	<20.0 T8	550
	11/4/2020	<1.00	<1.00	2.53	<1.00	<1.00	<5.00	<1.00	1.61 J	<20 T8	722
	3/19/2021	<5.00	<5.00	5.63	<5.00	<5.00	<25.0	<5.00	5.23 J	23 T8	1,370
	6/2/2021	<1.00	<1.00	1.46	<1.00	<1.00	<5.00	<1.00	1.14 J	<20 T8	298
	11/16/2021	<1.00	0.392 J	5.81	<1.00	0.265 J	<5.00	<1.00	2.26 J	25.2 BT8	198
	2/1/2022	<1.00	0.305 J	3.11	<1.00	<1.00	<5.00	<1.00	1.29 J	23.9 T8	183
	5/5/2022	<1.00 C3	<1.00	0.796 J	<1.00	<1.00	<5.00	<1.00	0.309 J	<20 B J T8	291
	8/24/2022	<1.00	<1.00	1.16	<1.00 J4	<1.00	<5.00	<1.00	<3.00	<20.0 T8	455
	11/28/2022	<1.00	<1.00	1.94	<1.00	0.265 J	<5.00	9.20	0.332 J	40.5 B T8	655
	3/10/2023	<1.00	<1.00	1.08	<1.00	<1.00	<5.00	<1.00	0.273 J	44,800 B T8	502
	06/01/2023	<1.00	<1.00	1.28	<1.00	0.247 J	<5.00 C3	<1.00	0.200 J	<20.0 T8	439
AMW-15-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8	< 2.0	NA	NA
	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.7	< 2.0	NA	NA
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.5	< 2.0	NA	NA
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.7	< 2.0	NA	NA
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	30	< 2.0	NA	NA
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	98	< 150
	8/27/2017	< 4.0	7.8	5.5	< 4.0	< 4.0	< 4.0	300	12	94	< 170
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	25	< 8.0	68	< 170
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	110	< 330
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	130	<170
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.39 J	<2.0	140	<170
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0	120	1.3 J
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0	97 B	1.9 J
	6/9/2020	<1.00	<1.00	0.209 J	<1.00	<1.00	<5.00	<1.00	0.225 J	39.8 T8	<13.0
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	46,600 T8	<13.0
	11/4/2020	<1.00	<1.00	0.430 J	<1.00	<1.00	<5.00	<1.00	<3.00	21.5 T8	6.37 J
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	7.82	<3.00	36.2 T8	<13.0
	6/2/2021	<1.00	<1.00	0.682 J	<1.00	<1.00	<5.00	<1.00	<3.00	<20 T8	<13.0
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	46.8 B T8	<13.0
	11/16/2021	<1.00	<1.00	0.367 J	<1.00	<1.00	<5.00	<1.00	<3.00	46 T8	<13.0
	2/1/2022	<1.00	<1.00	0.189 J	<1.00	<1.00	<5.00	<1.00	<3.00	70.9 T8	<13.0
	5/4/2022	<1.00 C3	<1.00	0.284 J	<1.00	<1.00	<5.00	<1.00	<3.00	<20 T8	<13.0
	8/24/2022	<1.00	<1.00	0.276 J	<1.00	<1.00 J4	<5.00	<1.00	<3.00	96.7 B T8	<13.0
	11/29/2022	<1.00	<1.00	0.256 J	<1.00	<1.00	<5.00	<1.00	<3.00	70.6 B T8	<13.0
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	47,500 B T8	<13.0
	6/1/2023	<1.00	<1.00	0.235 J	<1.00	<1.00	<5.00 C3	<1.00	<3.00	94.5 B T8	<13.0

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175	
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
AMW-15-D3	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	140	< 4.0	16	17	5.1	< 330
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	< 5	< 170
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	20	< 2.0	< 2.0	< 4.0	7.6	< 330
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	3.5	< 1.0	< 1.0	< 3.0	100	< 170
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	0.39 J	< 1.0	< 1.0	<2.0	140	<330
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	0.54 J	< 1.0	< 1.0	<2.0	130	< 170
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0	100	< 4.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	4.3	< 1.0	0.57 J	<2.0	85 B	3.1 J
	6/9/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	29.8 T8	<13.0
	8/19/2020	<1.00	<1.00	0.226 J	<1.00	8.84	<5.00	<1.00	0.376 J	52,200 T8	19.0
	11/4/2020	<1.00	<1.00	<1.00	<1.00	4.31	<5.00	<1.00	0.174 J	23.4 T8	<13.0
	3/19/2021	<1.00	2.41	0.435 J	<1.00	51.1	<5.00	7.44	4.59	<20 T8	76.3
	6/1/2021	<1.00	0.448 J	0.213 J	<1.00	15.3	<5.00	1.29	0.930 J	<20 T8	36.7
	8/12/2021	<1.00	2.49	0.533 J	<1.00	56.8	<5.00	4.44	5.08	<20 T8	49.4
	11/16/2021	<1.00	1.99	0.499 J	<1.00	45.7	<5.00	5.59	3.66	<20 T8	16.5
	2/1/2022	<1.00	1.38	0.366 J	<1.00	29.9	<5.00	3.72	2.43 J	<20.0 T8	9.91 J
	5/5/2022	<1.00 C3	1.34	0.476 J	<1.00	27.9	<5.00	3.94	2.05 J	<20 T8	29.5
	11/28/2022	<1.00	<1.00	<1.00	<1.00	0.443 J	<5.00	<1.00	<3.00	37.9 B T8	<13.0
	3/9/2023	<1.00	<1.00	<1.00	<1.00	3.87	<5.00	0.561 J	0.486 J	88,000 B T8	<13.0
	6/1/2023	<1.00	<1.00	<1.00	<1.00	0.302 J	<5.00 C3	<1.00	<3.00	60.4 B T8	<13.0
AMW-15-VD	6/23/2016	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	7/27/2016	< 1.0	15	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	31	< 7.5
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3	40	< 7.5
	7/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	41	< 7.5
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	37	< 7.5
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0	17	<7.5 H
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0	49	<7.5
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0	22	< 4.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0	11 B	< 4.0
	6/9/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00	<20.0 T8	<13.0
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	29,500 T8	<13.0
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	<20 T8	<13.0
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	21.7 T8	<13.0
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	7,310 J T8	<13.0
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	53.2 B T8	<13.0
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	53.3 T8	<13.0
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	27.6 T8	<13.0
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<3.00	25.9 B T8	<13.0
	8/24/2022	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00	<3.00	38.6 B T8	<13.0

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175	
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
AMW-15-VD (cont.)	11/28/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	30.3 B T8	<13.0
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	31,100 B T8	<13.0
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3	<1.00	<3.00	44.0 B T8	<13.0
AMW-3	1/13/2016	< 5.0	6.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	20	NA	NA
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
AMW-7R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.79 J	NA	NA
	7/11/2018	< 2.0	1.0 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	82	< 330
	10/17/2018	< 1.0	0.60 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.61 J	94 B	< 330
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3 J	94	< 330 UH
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	110	<170
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.73 J	47	1.6 J
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.86 J	52 B	2.4 J
	6/9/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	1.66 J	38.1 T8	<13.0
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	0.990 J	46.3 T8	<13.0
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	0.241 J	44.3 T8	4.44 J
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	32.1 T8	<13.0
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	2.53 J	36.4 T8	<13.0
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	71.3 T8	<13.0
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	65.1 T8	<13.0
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3J4	<1.00	0.285 J	46.3 B T8	<13.0
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	1.22 J	<20.0 T8	<13.0
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	2.98 J	23,000 B T8	<13.0
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3	<1.00	<3.00	55.4 B T8	<13.0
ASB-2	6/6/2016	1.4	0.87 J	< 1.0	< 1.0	4.4	< 1.0	6	< 2.0	NA	NA
ASB-3	6/8/2016	1.3	< 1.0	< 1.0	< 1.0	1.2	< 1.0	81	< 2.0	NA	NA
ASB-4	6/7/2016	6.7	9	13	< 5.0	1500 E	< 5.0	400	36	NA	NA
ASB-5	6/2/2016	1.2	< 1.0	< 1.0	< 1.0	4.8	< 1.0	11	0.89 J	NA	NA
ASB-7	6/2/2016	1.2 J	< 2.0	< 2.0	< 2.0	1.7 J	< 2.0	31	< 4.0	NA	NA
MW-18R	6/22/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	NA	NA
	7/11/2018	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	2.2 J	< 660
	10/17/2018	< 5.0	4.1 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5.2 J	11 B	< 660
	9/14/2019	< 1.0	4.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.1	32	<660
	12/5/2019	< 1.0	4.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.2	3 J	21
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	3.9 J B	< 4.0
	6/9/2020	<5.00 J4	3.31 J	<5.00	<5.00	<5.00 J4	<25.0	<5.00	5.52 J	<20.0 T8	8.80 J
	3/19/2021	<1.00	2.36	<1.00	<1.00	<1.00	<5.00	<1.00	4.41	<20 T8	19
	6/2/2021	<1.00	0.979 J	<1.00	<1.00	<1.00	<5.00	<1.00	1.50 J	<20 T8	<13.0
	8/12/2021	<1.00	3.92	<1.00	<1.00	<1.00	<5.00	<1.00 J4	5.64	42.3 B T8	13.5
	11/16/2021	<1.00	3.83	<1.00	<1.00	<1.00	<5.00	<1.00	7.81	30.8 BT8	<13.0
	2/2/2022	<1.00	1.87	<1.00	<1.00	<1.00	<5.00	<1.00	3.73	--	<13.0
	5/5/2022	<1.00	3.06	<1.00	<1.00	<1.00	<5.00 C3J4	<1.00	5.55	<20 T8	<13.0
	8/25/2022	<1.00	1.40	<1.00	<1.00 J4	<1.00	<5.00	<1.00	2.60 J	NA	NA

See Notes on Page 85.

Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175		
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	
MW-18R (cont.)	11/29/2022	<1.00	3.21	<1.00	<1.00	<1.00	<5.00	<1.00	5.73	<20.0 T8	<13.0	
	3/9/2023	<1.00	3.40	<1.00	<1.00	<1.00	<5.00	<1.00	5.85	<20,000 T8	14.5	
	5/31/2023	<1.00	1.44	<1.00	<1.00	<1.00	<5.00	<1.00	2.41 J	NA	<13.0	
MW-23-D1R	10/26/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	NA	NA	
	10/26/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	
	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	82	< 150	
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	75	< 83	
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	55	< 170	
	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	64	< 330	
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 3.0	63	< 660	
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.26 J	< 2.0	68	<83	
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	660	8.2	
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	10 B	3.3 J	
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	0.190 J	29.6 T8	6.78 J	
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	41,200 T8	6.95 J	
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	23.9 T8	7.51 J	
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	29.3 T8	<13.0	
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	22.3 T8	<13.0	
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	30.8 B T8	<13.0	
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	39.1 BT8	<13.0	
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	48.6 T8	<13.0	
	5/5/2022	<1.00 C3	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	47.1 B T8	<13.0
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00	21.9 B T8	9.18 J
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	<20.0 T8	<13.0
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	58,200 B T8	<13.0
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3	<1.00	<3.00	21.8 B T8	<13.0
MW-23-D2R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	130	< 38	
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	110	< 83	
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 2.0	100	< 170	
	7/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	32	< 170	
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	32	< 170	
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	140	< 170	
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	69	2.9 J	
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	54,100 T8	<13.0	
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	32.6 T8	<13.0	
	3/18/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	53.5 T8	<13.0	
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	61.5 T8	<13.0	
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	35.9 B T8	<13.0	
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	72 T8	<13.0	

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175	
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
MW-23-D2R (cont.)	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	92.6 T8	<13.0
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3J4	<1.00	<3.00	79.8 B T8	<13.0
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00	30.4 B T8	<13.0
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	37.5 B T8	NA
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	NA	<13.0
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3	<1.00	<3.00	<20.0 T8	<13.0
MW-24-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	99	< 10	NA	NA
	6/21/2016	< 4.0	< 4.0	11	< 4.0	< 4.0	< 4.0	35	9.3	NA	NA
	10/26/2016	< 1.0	0.68 J	6.5	< 1.0	< 1.0	< 1.0	33	7.2	NA	NA
	10/26/2016	< 1.0	0.64 J	6.8	< 1.0	< 1.0	< 1.0	15	6.6	NA	NA
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	NA	NA
	7/12/2018	< 8.0	23	22	< 8.0	< 8.0	< 8.0	160	29	67	130 J
	10/16/2018	< 5.0	17	12	< 5.0	< 5.0	< 5.0	22	25	59	< 660
	5/9/2019	< 1.0	1.5	2.0	< 1.0	< 1.0	< 1.0	1.5	3.6	98	< 330
	9/13/2019	< 1.0 [1.0]	7.2 [6.4]	[15]	< 1.0 [1.0]	< 1.0 [1.0]	< 1.0 [1.0]	8.0 [9.2]	33 [30]	36 [51]	750 [730]
	12/5/2019	< 1.0 [1.0]	1.4 [2.3]	7.0 [16]	< 1.0 [1.0]	< 1.0 [1.0]	< 1.0 [1.0]	3.4 [5.4]	11 [29]	30 [60]	320 [880]
	2/11/2020	< 1.0 [1.0]	0.9 J [2.5]	9.5 [14]	< 1.0 [1.0]	< 1.0 [1.0]	< 1.0 [1.0]	2.3 [7.9]	24 [37]	57 B [57 B]	520 [520]
	6/9/2020	<5.00 [5.00]	1.62 J [5.00]	12.2 [13.8]	<5.00 [5.00]	<5.00 [5.00]	<25.0 [25.0]	2.86 J [5.00]	31.1 [34.4]	47.8 T8 [38.3 T8]	419 [549]
	8/19/2020	<5.00 [5.00]	<5.00 [5.00]	12.9 [13.2]	<5.00	<5.00 [5.00]	<25.0 [25.0]	<5.00 [5.00]	26.9 [26.3]	47,000 T8 [46,300 T8]	589 [566]
	11/5/2020	<5.00 [5.00]	<5.00 [5.00]	12.8 [9.50]	<5.00 [5.00]	<5.00 [5.00]	<25.0 [25.0]	<5.00 [5.00]	24.1 [18.6]	57.2 T8 [48.7 T8]	794 [609]
	3/19/2021	<1.00 [5.00]	1.42 [5.00]	12.6 [11.4]	<1.00 [5.00]	<1.00 [5.00]	<5.00 [25.0]	<1.00 [5.00]	23.8 [22.7]	<20 T8 [38 T8]	647 [752]
	6/1/2021	<1.00 [5.00]	0.944 J [5.00]	12.9 [10.5]	<1.00 [5.00]	0.214 J [5.00]	<5.00 [25.0 C3]	1.06 [2.21 C3 J]	20.2 [18.0]	38.9 T8 [26.2 T8]	480 [451]
	11/16/2021	<1.00 [1.00]	0.583 J [0.620 J]	10.9 [9.11]	<1.00 [1.00]	<1.00 [1.00]	<5.00 [5.00]	<1.00 [1.00]	12.6 [12.3]	<20 B J T8 [32.3 B T8]	70.5 [78.5]
	2/2/2022	<1.00 [1.00]	0.598 J [0.677 J]	8.30 [8.83]	<1.00 [1.00]	<1.00 [1.00]	<5.00 [5.00]	0.242 J [1.00]	8.44 [9.73]	58.5 T8 [59.3 T8]	38.9 [56.8]
	5/4/2022	<1.00 [1.00]	1.5 [1.63]	12 [11.9]	<1.00 [1.00]	0.271 J [0.281 J]	<5.00 [5.00 C3 J4]	0.623 J [1.00]	15.5 [15.1]	38.7 T8 [42.1 B T8]	251 [236]
	8/24/2022	<1.00 [1.00]	0.869 J [0.860 J]	11.8 [9.85]	<1.00 J4 [1.00 J4]	0.283 J [0.202 J]	<5.00 [5.00]	0.909 J [1.00]	13.7 [13.8]	116 T8 [124 T8]	286 [242]
	11/29/2022	<1.00 [1.00]	0.625 J [0.582 J]	8.21 [7.53]	<1.00 [1.00]	0.252 J [0.234 J]	<5.00 [5.00]	5.16 [1.00]	7.14 [6.65]	49.2 B T8 [48.6 B T8]	245 [203]
	3/10/2023	<1.00 [10.0]	0.643 J [10.0]	7.77 [6.02 J]	<1.00 [10.0]	0.289 J [10.0]	<5.00 [50.0]	<1.00 [10.0]	7.30 [5.77 J]	59,100 B T8 [57,400 B T8]	225 [209]
	5/31/2023	<1.00 [10.0]	0.878 J [10.0]	10.1 [7.37 J]	<1.00 [10.0]	0.359 J [10.0]	<5.00 [50.0]	<1.00 [10.0]	10.6 [8.45 J]	64.1 B T8 [56.3 B T8]	229 [159]
MW-24-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	180	< 10	NA	NA
	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	170	< 10	NA	NA
	6/21/2016	< 1.0	< 1.0	0.98 J	< 1.0	< 1.0	< 1.0	38	< 2.0	NA	NA
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	20	< 8.0	NA	NA
	10/25/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	280 F1	< 10	NA	NA
	7/5/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	250 F1	< 16	130	< 150
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	72	< 16	110	< 170
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	18	< 4.0	54	< 170
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	15	< 7.5
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.23 J	< 3.0	5.7	< 170
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	5.0	< 7.5
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	15.0	< 7.5
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	26	1.5 J
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	8 B	2.7 J

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175	
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
MW-24-D2 (cont.)	6/9/2020	<1.00 J4	<1.00	0.716 J	<1.00	<1.00 J4	<5.00	0.269 J	<3.00	<20.0 T8	25.3
	8/18/2020	<1.00	<1.00	0.359 J	<1.00	<1.00	<5.00	<1.00	<3.00	<20,000 T8	13.7
	11/5/2020	<1.00	<1.00	1.13	<1.00	0.244 J	<5.00	<1.00	<3.00	<20 J T8	57.4
	3/19/2021	<1.00	<1.00	1.19	<1.00	<1.00	<5.00	<1.00	<3.00	24.7 T8	44.7
	6/1/2021	<1.00	<1.00	0.720 J	<1.00	<1.00	<5.00	<1.00	<3.00	22.5 T8	24.8
	11/16/2021	<1.00	<1.00	0.668 J	<1.00	<1.00	<5.00	<1.00	0.180 J	<20 JT8	<13.0
	2/2/2022	<1.00	<1.00	0.498 J	<1.00	<1.00	<5.00	<1.00	<3.00	22.8 T8	6.08 J
	5/4/2022	<1.00	<1.00	0.992 J	<1.00	<1.00	<5.00 C3 J4	<1.00	<3.00	51.2 B T8	27.6
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<3.00	89.7 B T8	<13.0
	11/29/2022	<1.00	<1.00	0.333 J	<1.00	<1.00	<5.00	<1.00	<3.00	90.6 B T8	<13.0
3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	103,000 B T8	<13.0	
5/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	87.2 B T8	<13.0	
MW-24-VDR	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	89	2.1 J
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.55 J	< 3.0	79	< 7.5
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.40 J	< 2.0	92	< 83
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.35 J	< 2.0	92	< 7.5
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	3.8 J	< 4.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	85 B	< 4.0
	6/9/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00	57.7 T8	<13.0
	8/18/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	75,500 T8	<13.0
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	28.5 T8	<13.0
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	81.7 T8	<13.0
	6/1/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	45.7 T8	<13.0
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	<20 JT8	<13.0
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	<20.0 T8	<13.0
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	<20,000 T8	<13.0
	5/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	51.5 B T8	<13.0
MW-26-D1	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	16	< 10	NA	NA
	6/22/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	20	< 8.0	NA	NA
	10/25/2016	< 10	< 10	< 10	< 10	< 10	< 10	18	< 20	NA	NA
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	51	< 8.0	NA	NA
	7/5/2017	< 10	< 10	< 10	< 10	< 10	< 10	28	< 20	120	< 150
	8/27/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	95	< 170
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	10	< 7.5
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	13	< 4.0	110	< 330
	10/17/2018	< 1.0	0.23 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	65 B	< 170
	9/13/2019	< 1.0	0.67 J	1.0	< 1.0	< 1.0	< 1.0	19	< 2.0	79	< 170
	12/6/2019	< 1.0	0.4 J	0.74 J	< 1.0	< 1.0	< 1.0	12	< 2.0	64	5.3
	2/11/2020	< 1.0	0.46 J	0.92 J	< 1.0	< 1.0	< 1.0	26	< 2.0	45 H B	4.9
	6/10/2020	<1.00	0.516 J	2.36	<1.00	<1.00	<5.00	79.3	1.74 J	72.0 T8	15.0
	8/19/2020	<1.00	<1.00	1.57	<1.00	<1.00	<5.00	39	1.02 J	34,800 T8	7.93 J
	11/6/2020	<1.00	<1.00	1.42	<1.00	<1.00	<5.00	38.8 C5	0.793 J	58.2 T8	12.7 J
6/2/2021	<1.00	0.685 J	3.67	<1.00	<1.00	<5.00	62.4	2.02 J	69.9 T8	31.9	

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175	
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
MW-26-D1 (cont.)	8/12/2021	<1.00	0.326 J	2.54	<1.00	<1.00	<5.00	38.6 C5 J4	1.11 J	46 B T8	25.3
	11/16/2021	<1.00	<1.00	1.65	<1.00	<1.00	<5.00	6.74	1.37 J	53 BT8	7.03 J
	2/2/2022	<1.00	<1.00	0.670 J	<1.00	<1.00	<5.00	2.66	1.13 J	53.8 T8	<13.0
	5/5/2022	<1.00 C3	0.755 J	0.887 J	<1.00	<1.00	<5.00	4.64	6.03	89.2 B T8	19.8
	8/25/2022	<1.00	<1.00	0.890 J	<1.00 J4	<1.00	<5.00	3.05	5.51	34.6 B T8	34.5
	11/29/2022	<1.00	0.278 J	0.561 J	<1.00	<1.00	<5.00	2.12	3.19	53.0 B T8	35.2
	3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	4.18	69,500 B T8	<13.0
6/1/2023	<1.00	0.633 J	0.781 J	<1.00	<1.00	<5.00 C3	2.21	6.87	88.1 B T8	41.8	
MW-26-D2	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 2.0	NA	NA
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	NA	NA
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	NA	NA
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	130	< 7.5
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 16	110	< 83
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	55	< 170
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	110 B	< 170
	5/9/2019	< 1.0	< 1.0	0.90 J	< 1.0	0.50 J	< 1.0	1.5	< 2.0	130	< 660
	9/13/2019	< 1.0	< 1.0	0.56 J	< 1.0	< 1.0	1.0 U	< 1.0	< 2.0	150	< 83
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	140	1.1 J
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	83 B	0.8 J
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	0.218 J	57.8 T8	<13.0
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	47.9 T8	<13.0
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	<20 J T8	<13.0
MW-26-VD	1/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
MW-27-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.97 J	< 2.0	NA	NA
	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	28	< 4.0	26	< 380
	8/27/2017	< 2.0	< 2.0	5	< 2.0	< 2.0	< 2.0	110	< 4.0	100	< 170
	7/13/2018	< 2.0	1.6 J	4.1	< 2.0	< 2.0	< 2.0	88	< 4.0	140	< 660
	10/18/2018	< 1.0	1	< 1.0	< 1.0	0.26 J	< 1.0	70	< 3.0	150 B	< 170
	5/10/2019	< 1.0	0.44 J	0.96 J	< 1.0	< 1.0	< 1.0	17	< 2.0	97	< 83
	9/14/2019	< 1.0	1.2	2.3	< 1.0	< 1.0	< 1.0	25	1.2 J	170	<330
	12/5/2019	< 1.0	1.7	3.6	< 1.0	0.37 J	1.0 U	61	1.6 J	170	5.5
	8/19/2020	<5.00	<5.00	1.52 J	<5.00	<5.00	<25.0	33.6	1.12 J	55,300 T8	<13.0
	11/6/2020	<5.00	<5.00	2.01 J	<5.00	<5.00	<25.0	26.0 C5	<15.0	83.4 T8	<13.0
	3/20/2021	<1.00	0.450 J	1.82	<1.00	<1.00	<5.00	26.9	0.593 J	56.6 T8	9.14 J
	6/2/2021	<1.00	0.774 J	2.80	<1.00	0.349 J	<5.00	45.5	1.05 J	88.9 T8	<13.0
	8/12/2021	<1.00	0.544 J	1.87	<1.00	0.230 J	<5.00	23.9	0.820 J	103 T8	6.78 J
	11/17/2021	<1.00	1.20	3.89	<1.00	0.355 J	<5.00	43.7	1.67 J	94.5 B T8	<13.0
	2/2/2022	<1.00	0.297 J	1.80	<1.00	0.208 J	<5.00	27.1	0.515 J	109 T8	<13.0
	5/5/2022	<1.00 C3	0.474 J	2.11	<1.00	0.260 J	<5.00	27.9	0.846 J	80 B T8	6.43 J

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175	
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
MW-27-D1R (cont.)	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	93.2 B T8	<13.0
	3/9/2023	<1.00	<1.00	1.07	<1.00	<1.00	<5.00	11.1	0.489 J	124,000 B T8	<13.0
	5/31/2023	<1.00	0.293 J	1.73	<1.00	<1.00	<5.00	22.2	0.643 J	96.9 B T8	<13.0
MW-27-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA
	6/21/2016	< 4.0	17	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	68	NA	NA
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	130	< 75
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	100	< 83
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	81	< 170
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	140	< 330
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	130 B	< 170
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	66	< 170
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	150	< 170
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	150	< 4.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	110 B	< 4.0
	6/10/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	0.181 J	98.7 T8	<13.0
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	75,400 T8	<13.0
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	60.9 T8	<13.0
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	93.9 T8	<13.0
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	56.2 T8	<13.0
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	127 T8	<13.0
	11/17/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	141 T8	<13.0
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	134 T8	<13.0
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3J4	<1.00	<3.00	85.5 B T8	<13.0
	8/25/2022	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00	<3.00	60.9 B T8	<13.0
	11/29/2022	<1.00	0.424 J	1.92	<1.00	0.242 J	<5.00	17.4	0.817 J	47.0 B T8	<13.0
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	153,000 T8	<13.0
	5/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	149 T8	<13.0
MW-28-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	7/28/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	NA	NA
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	51	< 150
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	15	< 170
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	3.8 J	< 170
	10/17/2018	< 1.0	0.39 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.6 J	8.9 B	< 330
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.47 J	120	< 660
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0	2.2	160	<170
	12/5/2019	< 1.0	0.53 J	0.25 J	< 1.0	< 1.0	< 1.0	0.68 J	1.9 J	75	33
	2/11/2020	< 1.0	0.62 J	0.35 J	< 1.0	< 1.0	< 1.0	1.7	3	73 B	25
	6/9/2020	<1.00 J4	0.578 J	0.205 J	<1.00	<1.00 J4	<5.00	0.625 J	3.11	26.5 T8	12.2 J
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	1.02 J	23,000 T8	<13.0
	11/6/2020	<1.00	0.497 J	0.362 J	<1.00	<1.00	<5.00	<1.00	4.11	73.8 T8	46.5
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	1.72 J	35.7 T8	<13.0
8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	1.62 J	41.9 B T8	<13.0	
11/16/2021	<1.00	<1.00	0.185 J	<1.00	<1.00	<5.00	<1.00	1.75 J	<20 JT8	<13.0	

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175	
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
MW-28-D1 (cont.)	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	<20.0 J T8	5.09 J
	5/5/2022	<1.00	0.324 J	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	1.65 J	41.9 B T8	<13.0
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00	<20.0 T8	<13.0
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	37.3 B T8	<13.0
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	0.636 J	105,000 B T8	<13.0
	6/1/2023	<1.00	0.482 J	<1.00	<1.00	<1.00	<5.00 C3	<1.00	0.541 J	118 B T8	<13.0
MW-28-D2R	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	7/28/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	120	< 7.5
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	120	< 83
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	91	< 170
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	91	< 330
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	140 B	< 170
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	42	< 330
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	160	< 7.5
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	160	< 4.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	100 B	< 4.0
	6/9/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00	90.0 T8	<13.0
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	90,300 T8	<13.0
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	85.8 T8	<13.0
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	68 T8	<13.0
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	68.1 T8	<13.0
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	125 T8	<13.0
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	136 T8	<13.0
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	153 T8	<13.0
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3J4	<1.00	<3.00	123 B T8	<13.0
	8/25/2022	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00	<3.00	59.6 B T8	<13.0
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	33.3 B T8	<13.0
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	125,000 T8	<13.0
	6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3	<1.00	<3.00	40.1 B T8	<13.0
MW-29-D1	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA
	6/21/2016	< 1.0	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2	NA	NA
	10/26/2016	< 1.0	3.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	9.7	NA	NA
	10/26/2016	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4	NA	NA
	7/5/2017	< 2.0	2.3	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.7 J	180	< 300
	8/27/2017	< 2.0	1.7 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	4.3	150	< 660
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	4.3 J	140	< 170
	7/13/2018	< 4.0	3.0 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	5.5 J	180	< 660
	10/18/2018	< 1.0	2.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	8.1	210 B	< 1700
	5/10/2019	< 1.0	2.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.3	190	< 83
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	40	< 170
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	28	1 J
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	15 B	< 4.0

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175	
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
MW-29-D1 (cont.)	6/10/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00	53.4 T8	5.33 J
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	39,600 T8	<13.0
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	31.7 T8	10.6 J
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	30.9 T8	9.15 J
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	27.3 T8	<13.0
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<3.00	51.4 B T8	<13.0
	5/5/2022	<1.00 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	73.3 B T8	<13.0
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	<20.0 T8	<13.0
3/10/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	98,000 B T8	<13.0	
6/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3	<1.00	<3.00	31.6 B T8	<13.0	
MW-29-D2	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
MW-29-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	NA	NA
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
MW-30-D1	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
MW-30-D2	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA
	1/14/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	NA	NA
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
MW-30-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	NA	NA
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
MW-31-D1R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
MW-31-D2R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	GC Volatiles - RSK-175		Inorganics			General Chemistry				
		Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron
NYSDEC TOGS 1.1.1		NE	NE	300	300	20,000	NE	NE	250	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L	ug/L
AMW-12	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-D1	6/24/2016	NA	NA	3,500	510 B	NA	569,000 B	5,69,000 B	NA	NA	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-D2	6/23/2016	NA	NA	2,700	740 B	NA	1100 B	7,32,000 B	NA	NA	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-VD	6/23/2016	NA	NA	26,100	1100 B	NA	1100 B	7,32,000 B	NA	NA	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-14-D1	6/24/2016	NA	NA	410	370 B	NA	< 140	8,86,000 B	NA	NA	NA
	7/26/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	< 140	1,100	4,700	48	16,90,000 ^	NA	7,16,000 B	3,060	4.5	170 HF
	8/27/2017	200 J	550	5,200	49 B	1,730,000	NA	5,63,000 B	3,130	5.2	< 100
	10/11/2017	190	580	4,400	48 B	1,590,000	NA	563,000	1,860	4.4	< 100
	7/12/2018	260 J	2,000	1,600	14 B	975,000	NA	6,23,000 B	2,970	1.5	120 HF
	10/17/2018	< 310	1,600	5,000	55 B	1,560,000	NA	673,000	3,620	4.7	260 HF
	5/10/2019	440	1,900	5,780	94.9	1,740,000	NA	805,000	3,700	5.8	< 100 HF
	9/13/2019	<77	3,600	3,630	70.2	1,680,000	NA	779,000	3,000	3.1	570 HF
	12/5/2019	210	3,800	6,940	59	1,100,000	NA	582,000	2,100	6.9	< 100 HF
	2/12/2020	690	3,000 B	5,170	41.1	967,000	NA	386,000	2,400	5	150 HF
	6/10/2020	86.3	3,200	1,800	33.3	1,380,000	NA	613,000	2,750	0.334 T8	1,470 T8
	8/19/2020	176	3,340	8,480	131	1,930,000	NA	678	2,950	6.97 T8	1,500 T8
	11/4/2020	225	5,990	3,130	22.0	986,000	NA	581,000	3,030	2.71 T8	418 T8
	3/19/2021	661	5,200	12,500	150	1,950,000	NA	808,000	3,950	10.1 T8	2,440 T8
	6/2/2021	171	6,810	3,040	70.9	1,890,000	NA	719,000	3,180	2.53	513 T8
	8/12/2021	445	4,350	5,080	88.3	2,060,000	NA	637,000	2,480	2.53	513 T8
	11/16/2021	102	777	4,560	38.6	1,180,000	NA	674,000	3,010	2.53	513 T8
	2/2/2022	16.8	1,020	5,220	94.9	1,900,000	NA	541,000	3,090	3,840	1,380 T8
	5/5/2022	251	3,850	5,910	109	2,020,000	NA	409,000	1,900	3,840	1,380 T8
	8/24/2022	120	3,660	5,400	76.2	1,620,000	NA	391,000	2,450	0.303	5,100 T8
	11/29/2022	118	5,180	2,090	19.5	1,100,000	NA	669,000	3,450	1.52	574 T8
	3/9/2023	<13.0	3,400	672	14.4	962,000	NA	279,000	1,340	0.018 J	654 T8
	05/31/2023	<13.0	6,320	1,190	13.0	899,000	NA	315,000	1,330	0.637	555 T8
AMW-14-D2	6/23/2016	NA	NA	6,600	510 B	NA	740 B	7,40,000 B	NA	NA	NA
	7/26/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2017	< 77	210	34 J	16 B	13,500	NA	4,39,000 B	4,930	< 0.10	< 100
	10/11/2017	< 150	1,200	17,300	760 B	3,260,000	NA	830,000	4,070	17.3	< 100
	7/12/2018	< 310	970	2,500	78 B	2,210,000	NA	7,85,000 B	4,380	2.5	< 100
	10/17/2018	< 310	2,200	2,700	100 B	2,230,000	NA	4,85,000 B	4,510	2.7	< 100
	5/10/2019	< 310	1,900	548	80.1	2,080,000	NA	822,000	4,200	<0.10	1,100 HF
	9/13/2019	<77	2,600	1,870	86.3	2,070,000	NA	823,000	3,400	1.3	550 HF
	12/5/2019	< 3.0	2,200	6,830	135	2,380,000	NA	727,000	4,200	6.5	290 HF
	2/12/2020	< 3.0	1,800 B	5,590	116	1,630,000	NA	810,000	4,500	4.7	850 HF
	6/10/2020	<13.0	2,070	5,070	119	1,990,000	NA	744,000	4,190	2.71 T8	2,360 T8

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	GC Volatiles - RSK-175		Inorganics			General Chemistry				
		Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron
NYSDEC TOGS 1.1.1		NE	NE	300	300	20,000	NE	NE	250	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L	ug/L
AMW-14-D2 (cont.)	8/19/2020	<13.0	1670	17,800	340	2,510,000	NA	832	4,380	16.9 T8	847 T8
	11/5/2020	<13.0	1,970	3,290	104	1,950,000	NA	692,000	4,330	2.96 T8	322 T8
	3/19/2021	<13.0	1,820	28,300	506	2,530,000	NA	750,000	5,310	27.4 T8	904 T8
	6/2/2021	<13.0	2,330	4,590	137	2,340,000	NA	473,000	3,020	4.02	563 T8
	8/12/2021	<13.0	1,670	1,450	111	2,410,000	NA	841,000	4,350	4.02	563 T8
	11/16/2021	<13.0	255	5,870	145	2,310,000	NA	810,000	4,100	4.02	563 T8
	2/2/2022	<13.0	326	3,310	122	2,260,000	NA	816,000	4,690	<100	4,620 T8
	5/5/2022	<13.0	1,400	2,750	132	2,460,000	NA	605,000	3,460	<100	4,620 T8
	8/24/2022	<13.0	558	467	70.9	2,010,000	NA	761,000	4,190	<0.1	3,120 T8
	11/29/2022	<13.0	101	4,860	28.9	416,000	NA	308,000	1,680	4.49	372 T8
	3/9/2023	<13.0	1,170	757	115	2,460,000	NA	595,000	2,860	0.309	448 T8
05/31/2023	<13.0	1,040	341	90.5	2,650,000	NA	764,000	3,780	0.239	102 T8	
AMW-14-VD	6/23/2016	<13.0	1,820	28,300	506	2,530,000	427	427,000	NA	NA	NA
	7/27/2016	<13.0	1,820	28,300	506	2,530,000	NA	NA	NA	NA	NA
	7/5/2017	<13.0	1,820	28,300	506	2,530,000	NA	4,40,000 B	15,200	11.3	< 100
	8/27/2017	<13.0	1,820	28,300	506	2,530,000	NA	4,15,000 B	15,400	12.3	4,700 HF
	10/11/2017	<13.0	1,820	28,300	506	2,530,000	NA	454,000	16,200	14.8	1,600 HF
	7/12/2018	< 7.0	27	18,400	410 B	8,660,000	NA	4,72,000 B	19,400	18.4	< 100
	10/17/2018	< 7.0	24	18,500	390 B	9,100,000	NA	4,09,000 B	16,300	18.5	< 100
	5/10/2019	<7.0 H	12 H	14,700	387	71,50,000 B	NA	493,000	110,000	14.4	300 HF
	9/13/2019	<7.0	20	15,200	376	6,810,000	NA	493,000	14,000	13.8	1,400 HF
	12/5/2019	<3.0	33	18,800	432	8,960,000	NA	493,000	17,000	18.7	130 HF
	2/12/2020	< 3.0	28 B	12,800	339	5,740,000	NA	495,000	15,000	12.1	680 HF
	6/10/2020	<13.0	467	17,600	381	8,070,000	NA	528,000	18,000	<0.100 T8	17,800 T8
	8/20/2020	<13.0	26.4	16700	389	8,790,000	NA	527	17,000	1.82 T8	14,900 T8
	11/5/2020	<13.0	48.6	18,000	396	7,940,000	NA	501,000	17,200	<0.1 T8	18,000 T8
	3/19/2021	<13.0	51.9	18,500	395	8,320,000	NA	522,000	17,300	0.969 T8	17,600 T8
	6/2/2021	<13.0	52.7	18,900	396	8,510,000	NA	542,000	16,100	0.404	18,500 T8
	8/12/2021	<13.0	61.1	19,400	393	8,190,000	NA	540,000	16,700	0.404	18,500 T8
	11/16/2021	<13.0	18.4	20,000	383	8,670,000	NA	448,000	13,500	0.404	18,500 T8
	2/2/2022	<13.0	9.62 J	18,200	411	8,690,000	NA	518,000	16,100	<100	20,600 T8
	5/5/2022	<13.0	31.7	18,600	401	8,720,000	NA	497,000	15,400	<100	20,600 T8
	8/24/2022	<13.0	15.9	18,500	375	7,850,000	NA	556,000	15,900	0.0393 J	18,500 T8
	11/29/2022	<13.0	26.3	16,900	379	8,400,000	NA	529,000	14,700	<0.10	17,700 T8
	3/9/2023	<13.0	25.4	18,700	399	9,190,000	NA	609,000	15,800	<0.1	20,200 T8
	05/31/2023	<13.0	<10.0	17,900	411	8,270,000	NA	580,000	15,600	<0.1	21,900 T8
AMW-15-D1	6/23/2016	NA	NA	2,200	500 B	NA	602	602,000	NA	NA	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/26/2016	NA	NA	1,900 B	70 B	NA	130	130,000	NA	NA	NA
	10/26/2016	NA	NA	95 B	110 B	NA	528	528,000	NA	NA	NA
	7/5/2017	< 140	400	2,100	84	17,50,000 ^	NA	597,000	73	2.1	< 100
	8/27/2017	830	4,000	12,400	170 B	1,520,000	NA	4,71,000 B	2,480	12.4	< 500
	10/11/2017	470	2,400	6,900	100 B	17,10,000 ^	NA	641,000	2,760	6.9	< 200

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	GC Volatiles - RSK-175		Inorganics			General Chemistry				
		Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron
NYSDEC TOGS 1.1.1		NE	NE	300	300	20,000	NE	NE	250	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L	ug/L
AMW-15-D1 (cont.)	10/17/2018	< 620	5,100	3,900	320	989,000	NA	442,000	1,910	3.8	120 HF
	5/9/2019	<770	3,200	3,340	335	1,170,000	NA	422,000	2,500	3.3	<100 HF
	9/13/2019	150 J	4,000	3,740	311	1,160,000	NA	254,000	1,700	1.5	2,200 HF
	12/5/2019	550	6,200	3,550	243	1,200,000	NA	424,000	2,000	3.2	340 HF
	2/11/2020	49	700 B	4,740	303	1,050,000	NA	206,000	1,800	3.3	1,400 HF
	6/10/2020	165	6,590	512	150	1,050,000	NA	393,000	2,010	<0.050 T8	662 T8
	8/19/2020	27.5	4,380	1,320	126	1,460,000	NA	442	1,990	0.836 T8	481 T8
	11/4/2020	<13.0	5,200	800	80.5	1,030,000	NA	425,000	2,250	0.142 T8	658 T8
	3/19/2021	90.7	9,900	13,700	113	1,210,000	NA	598,000	2,590	13.4 T8	324 T8
	6/2/2021	<13.0	1,970	597	55.6	1,040,000	NA	466,000	2,050	<0.100	20,100 T8
	11/16/2021	<13.0	1,380	612	17.9	1,230,000	NA	494,000	2,140	<0.100	20,100 T8
	2/1/2022	<13.0	1,510	1,150	26.7	1,280,000	NA	496,000	2,260	767	381 T8
	5/5/2022	<13.0	2,150	1,020	47.5	1,230,000	NA	514,000	2,460	767	381 T8
	8/24/2022	<13.0	3,630	1,670	45.7	912,000	NA	273,000	1,070	0.749	925 T8
	11/28/2022	<13.0	6,370	430	17.6	1,240,000	NA	588,000	2,320	0.126 T8	304 T8
	3/10/2023	<13.0	5,110	735	24.5	1,620,000	NA	649,000	2,630	0.438	297 T8
	06/01/2023	<13.0	5,060	94.9 J	24.6	1,040,000	NA	581,000	2,370	<0.05	94.0 T8
AMW-15-D2	6/23/2016	NA	NA	110	5.8 B	NA	50 B	1,81,000 B	NA	NA	NA
	6/23/2016	NA	NA	120	6.3 B	NA	185	185,000	NA	NA	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/26/2016	NA	NA	50 B	85 B	NA	99.9	99,900	NA	NA	NA
	10/26/2016	NA	NA	< 50	98 B	NA	600	600,000	NA	NA	NA
	7/5/2017	< 140	430	700	110	20,90,000 ^	NA	687,000	3,700	0.53	170 HF
	8/27/2017	37 J	880	3,500	140 B	2,200,000	NA	6,73,000 B	3,650	3.5	< 100
	10/11/2017	< 150	280	4,500	130 B	21,50,000 ^	NA	811,000	3,710 F1	4.5	< 100
	10/17/2018	< 310	560	750	55	2,130,000	NA	461,000	3,790	0.75	< 100
	5/10/2019	<150	520	328	72	2,030,000	NA	672,000	4,200	0.24	85 J HF
	9/13/2019	<150	680	493	54.6	2,030,000	NA	649,000	3,800	0.35	140 HF
	12/5/2019	3 U	800	739	62.7	1,870,000	NA	636,000	4,000	0.46	280 HF
	2/11/2020	< 3.0	690 B	978	69.9	1,820,000	NA	651,000	4,200	0.79	190 HF
	6/9/2020	<13.0	920	595	75.7	1,580,000	NA	610,000	3,750	<0.050 T8	1,460 T8
	8/19/2020	<13.0	409	10,500	150	2,230,000	NA	413	2,410	5.04 T8	5,440 T8
	11/4/2020	<13.0	809	963	76.6	1,940,000	NA	540,000	4,150	0.29 T8	673 T8
	3/19/2021	<13.0	19.3	14,800	258	2,220,000	NA	590,000	3,500	5.62 T8	9,200 T8
	6/2/2021	<13.0	1,100	10,100	97.9	2,220,000	NA	313,000	935	4.01	6,060 T8
	8/12/2021	<13.0	<10.0	1,850	100	2,010,000	NA	578,000	3,140	4.01	6,060 T8
	11/16/2021	<13.0	156	362	166	1,450,000	NA	490,000	2,990	4.01	6,060 T8
	2/1/2022	<13.0	118	1,450	102	1,880,000	NA	616,000	3,510	974	479 T8
	5/4/2022	<13.0	763	4,130	69	1,220,000	NA	274,000	2,370	974	479 T8
	8/24/2022	<13.0	418	4,560	69.6	1,180,000	NA	581,000	3,610	3.36	1,200 T8
	11/29/2022	<13.0	652	511	75.0	1,610,000	NA	574,000	2,820	<0.05 T8	907 T8
	3/10/2023	<13.0	359	1,410	65.5	1,570,000	NA	631,000	3,130	0.934	473 T8
	6/1/2023	<13.0	779	240	56.2	1,810,000	NA	618,000	3,580	<0.05	486 T8

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	GC Volatiles - RSK-175		Inorganics			General Chemistry				
		Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron
NYSDEC TOGS 1.1.1		NE	NE	300	300	20,000	NE	NE	250	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L	ug/L
AMW-15-D3	6/23/2016	NA	NA	98	250 B	NA	2,980,000 ^	6,17,000 B	NA	NA	NA
	6/23/2016	NA	NA	120	240 B	NA	< 5	12,200 B	NA	NA	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2017	< 310	2,400	2,300	450 B	29,80,000 ^	NA	4,08,000 B	4,230	2.3	< 500
	10/11/2017	< 150	610	450	99 B	25,00,000 ^	NA	508,000	7,530	0.45	< 100
	7/13/2018	< 310	1,500	3,100	1,100 B	3,870,000	NA	5,18,000 B	4,670	3.1	< 100
	10/17/2018	< 150	2,800	260	200	2,610,000	NA	108,000	7,380	0.26	< 100
	5/10/2019	<310	1,600	301	222	2,730,000	NA	616,000	8,800	0.30	< 100
	9/13/2019	< 150	1,400	612	231	2,720,000	NA	646,000	4,400	0.40	210 HF
	12/5/2019	< 3.0	1,400	349	97.4	1,550,000	NA	594,000	5,300	0.35	< 100
	2/11/2020	< 3.0	1,100 B	3,631	106	1,330,000	NA	626,000	2,600	3.10	470 HF
	6/9/2020	<13.0	1,340	1,130	138	1,690,000	NA	676,000	4,630	0.605 T8	526 T8
	8/19/2020	<13.0	2,800	3,030	871	3,930,000	NA	479	8,160	2.8 T8	229 T8
	11/4/2020	<13.0	2,010	795	131	1,660,000	NA	649,000	4,790	0.447 T8	348 T8
	3/19/2021	6.25 J	6,270	439	484	2,960,000	NA	310,000	3,000	<0.100 T8	5,440 T8
	6/1/2021	<13.0	4,700	657	628	3,350,000	NA	493,000	683	<0.100	18,000 T8
	8/12/2021	<13.0	6,110	92.4 J	1.65 J	462,000	NA	567,000	639	<0.100	18,000 T8
	11/16/2021	<13.0	1,910	584	8.71 J	479,000	NA	350,000	621	<0.100	18,000 T8
	2/1/2022	<13.0	1,340	440	631	3,100,000	NA	236,000	2,480	374	66.0 T8
	5/5/2022	<13.0	4,050	622	52.9	999,000	NA	522,000	646	374	66.0 T8
	11/28/2022	<13.0	358	1,310	514	2,590,000	NA	450,000	6,090	<0.10 T8	2,150 T8
	3/9/2023	<13.0	1,250	2,220	1,340	4,330,000	NA	432,000	7,220	0.297	1,920 T8
	6/1/2023	<13.0	356	1,740	462	2,200,000	NA	391,000	6,240	0.757	987 T8
AMW-15-VD	6/23/2016	NA	NA	4,200	200 B	NA	303	303,000	NA	NA	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2017	< 7.0	24	11,800	350 B	8,910,000	NA	135,000 B	16,100	11.5	280 HF
	10/11/2017	< 7.0	8	11,700	340 B	91,80,000 ^	NA	329,000	16,000	11.7	< 100
	7/13/2018	< 7.0	37	10,600	320 B	8,290,000	NA	3,57,000 B	19,200	10.6	< 100
	10/17/2018	< 7.0	27	10,700	310	8,770,000	NA	271,000	13,200	10.7	< 100
	5/10/2019	<7.0 H	25 H	3,600	287	8,560,000	NA	432,000	18,000	3.6	< 100*
	9/13/2019	<7.0	22	7,650	192	5,240,000	NA	429,000	16,000	7.2	500 HF
	12/5/2019	< 3.0	51	5,150	220	6,360,000	NA	478,000	17,000	5	130 HF
	2/11/2020	< 3.0	38 B	2,850	157	4,770,000	NA	468,000	15,000	1.5	370 HF
	6/9/2020	<13.0	54.9	5,330	213	6,680,000	NA	517,000	18,000	<0.100 T8	6,390 T8
	8/19/2020	<13.0	44.9	6,080	230	6,370,000	NA	509	17,000	<0.1 T8	52,800 T8
	11/4/2020	<13.0	63.3	4,530	280	8,440,000	NA	523,000	17,300	<0.1 T8	4,880 T8
	3/19/2021	<13.0	64.5	10,200	288	8,660,000	NA	523,000	17,300	5.31 T8	4,850 T8
	6/2/2021	<13.0	76.2	663	12.8	204,000	NA	238,000	6,130	0.556	107 T8
	8/12/2021	<13.0	<10.0	5,030	538	31,600	NA	529,000	16,500	0.556	107 T8
	11/16/2021	<13.0	42.7	13,300	281	8,640,000	NA	507,000	16,700	0.556	107 T8
	2/1/2022	<13.0	17.1	6,990	264	8,650,000	NA	598,000	16,800	1,150	5,840 T8
	5/5/2022	<13.0	<10.0	18,800	363	8,030,000	NA	553,000	16,700	1,150	5,840 T8
	8/24/2022	<13.0	20.5	15,100	307	8,330,000	NA	668,000	17,500	<0.1	15,100 T8

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	GC Volatiles - RSK-175		Inorganics			General Chemistry				
		Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron
NYSDEC TOGS 1.1.1		NE	NE	300	300	20,000	NE	NE	250	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L	ug/L
AMW-15-VD (cont.)	11/28/2022	<13.0	39.5	8,060	300	4,360,000	NA	494,000	11,900	4.06 T8	4,010 T8
	3/10/2023	<13.0	37.3	5,470	310	8,520,000	NA	708,000	16,400	3.08	2,400 T8
	6/1/2023	<13.0	38.9	8,550	311	8,410,000	NA	664,000	16,400	2.510	6,040 T8
AMW-3	1/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	16,200	1,400 B	NA	351	351,000	NA	NA	NA
AMW-7R	1/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	170	74 B	NA	2,900 B	1,99,000 B	NA	NA	NA
	7/11/2018	< 310	3,500	20,000	2,500 B	199,000	NA	8,81,000 B	253	19.7	320 HF
	10/17/2018	< 310	5,800	12,500	2,900 B	168,000	NA	997,000	192	12.5	< 100
	5/10/2019	< 310 UH	3,100 H	8,080	2,770	105,000	NA	558,000	120 F1	8.1	< 100 HF
	9/14/2019	<150	3,600	6,840	2,770	95,700	NA	651,000	62	6	840 HF
	12/6/2019	< 3.0	6,200	4,790	1,420	93,300	NA	462,000	80	4.7	100 HF
	2/12/2020	< 3.0	5,500 B	24,900	2,730	86,900	NA	597,000	85	23.2	1700 HF
	6/9/2020	<13.0	9,370	16,000	2,270	93,200	NA	516,000	100	4.63 T8	11,300 T8
	8/19/2020	<13.0	3550	94900	3080	113,000	NA	656	86.6	83.6 T8	11200 T8
	11/6/2020	<13.0	7,880	33,200	3,500	111,000	NA	723,000	78.2	17.2 T8	16,000 T8
	3/19/2021	<13.0	7,700	35,500	2,390	234,000	NA	615,000	547	23.4 T8	12,100 T8
	6/2/2021	<13.0	10,100	21,800	2,160	168,000	NA	514,000	262	<0.100	26,600 T8
	8/12/2021	<13.0	4,930	8,720	2,450	193,000	NA	708,000	181	<0.100	26,600 T8
	11/16/2021	<13.0	2,830	3,360	1,640	108,000	NA	640,000	77	<0.100	26,600 T8
	5/5/2022	<13.0	4,220	3,990	2,400	92,300	NA	457,000	137	<0.100	26,600 T8
	11/29/2022	<13.0	6,830	10,700	2,000	97,800	NA	533,000	128	<0.10	20,300 T8
	3/10/2023	<13.0	5,390	5,490	1,320	91,000	NA	370,000	126	<0.1	8,590 T8
	6/1/2023	<13.0	1,790	4,270	1,150	99,700	NA	516,000	75.7	1.840	2,430 T8
ASB-2	6/6/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ASB-3	6/8/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ASB-4	6/7/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ASB-5	6/2/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ASB-7	6/2/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-18R	6/22/2016	NA	NA	11,500 B	470 B	NA	20,000 B	5,15,000 B	NA	NA	NA
	7/11/2018	< 620	3,800	1,400	17 B	161,000	NA	1,84,000 B	367	1.3	110 HF
	10/17/2018	< 620	9,700	450	26 B	193,000	NA	365,000	259	0.45	< 100
	9/14/2019	<620	13,000	11,700	110	310,000	NA	386,000	480	8.2	3,500 HF
	12/5/2019	0.81 J	16,000	3,100	30.8	323,000	NA	225,000	400	2.8	0.28 HF
	2/12/2020	< 3.0	89	9,770	49.9	45,100	NA	24,400	77	9.6	150 H F
	6/9/2020	<13.0	5,640	5,240	28.9	204,000	NA	101,000	269	<0.100 T8	5,360 T8
	3/19/2021	<13.0	8,840	1,450	11.7	191,000	NA	131,000	223	0.907 T8	547 T8
	6/2/2021	<13.0	5,700	1,270	18.5	362,000	NA	83,300	835	0.106	1,170 T8
	8/12/2021	<13.0	12,300	1,250	59.9	609,000	NA	206,000	1,340	0.106	1,170 T8
	11/16/2021	<13.0	2,660	553	42.6	507,000	NA	199,000	853	0.106	1,170 T8
	2/2/2022	<13.0	1,630	--	--	--	NA	--	--	--	--
	5/5/2022	<13.0	8,600	2,780	21.9	245,000	NA	142,000	289	--	--
	8/25/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	GC Volatiles - RSK-175		Inorganics			General Chemistry				
		Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron
NYSDEC TOGS 1.1.1		NE	NE	300	300	20,000	NE	NE	250	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L	ug/L
MW-18R (cont.)	11/29/2022	<13.0	11,600	631	19.4	442,000	NA	231,000	634	NA	NA
	3/9/2023	<13.0	10,400	NA	NA	NA	NA	245,000	213	NA	NA
	5/31/2023	<13.0	3,600	932	9.38 J	115,000	NA	NA	NA	NA	NA
MW-23-D1R	10/26/2016	NA	NA	< 50	21 B	NA	555	555,000	NA	NA	NA
	10/26/2016	NA	NA	240 B	670 B	NA	525	525,000	NA	NA	NA
	1/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/20/2016	NA	NA	660	690 B	NA	485	485,000	NA	NA	NA
	7/5/2017	< 140	150	17,100	3,100	11,90,000 ^	NA	500,000	1,970	17.1	< 100
	8/27/2017	< 77	1,500	33,900	2200 B	11,90,000 ^	NA	5,12,000 B	2,190	31.9	2,000 HF
	10/12/2017	< 150	1,300	3,800	1000 B	12,30,000 ^	NA	562,000	2,270	3.8	< 100
	7/12/2018	< 310	4,800	4,300	810 B	1,360,000	NA	4,95,000 B	2,250	4	260 HF
	10/17/2018	< 620	3,600	1,900	930	1,220,000	NA	360,000	2,260	1.9	< 100
	9/13/2019	<77	1,400	1,460	636	971,000	NA	467,000	2,000	1.1	330 HF
	12/5/2019	< 3.0	2,100	2,020	852	389,000	NA	309,000	1,300	1.8	260 HF
	2/11/2020	< 3.0	770 B	2,650	191	474,000	NA	173,000	730	2.5	120 HF
	6/10/2020	<13.0	1,560	1,430	511	1,240,000	NA	320,000	1,690	<0.050 T8	1,460 T8
	8/19/2020	<13.1	1,780	6,320	1,260	1,300,000	NA	543	2,340	1.44 T8	4,880 T8
	11/5/2020	<13.0	2,040	3,260	1,050	1,300,000	NA	401,000	2,030	<0.1 T8	3,600 T8
	3/19/2021	<13.0	303	105,000	4,350	1,310,000	NA	469,000	2,470	103 T8	2,600 T8
	6/2/2021	<13.0	876	5,830	1,660	1,280,000	NA	583,000	2,310	2.22	3,620 T8
	8/12/2021	<13.0	944	2,970	973	1,320,000	NA	516,000	2,330	2.22	3,620 T8
	11/16/2021	<13.0	225	3,070	1,120	770,000	NA	275,000	1,390	2.22	3,620 T8
	2/2/2022	<13.0	195	11,400	1,090	1,340,000	NA	357,000	1,920	10,200	1,180 T8
	5/5/2022	<13.0	328	5,870	926	1,390,000	NA	448,000	2,810	10,200	1,180 T8
	8/25/2022	<13.0	1,160	1,450	1,270	1,170,000	NA	348,000	2,350	<0.1	4,800 T8
	11/29/2022	<13.0	189	1,730	120	34,000	NA	101,000	43.3	0.689	1,040 T8
	3/9/2023	<13.0	676	5,640	472	1,430,000	NA	558,000	2,670	4.82	823 T8
	6/1/2023	<13.0	938	426	346	818,000	NA	215,000	1,130	0.053	373 T8
MW-23-D2R	1/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/20/2016	NA	NA	40 J	110 B	NA	543	543,000	NA	NA	NA
	7/5/2017	< 35	73	4,400	210	21,90,000 ^	NA	520,000	5,260	4.2	170 HF
	8/27/2017	< 77	360	1,800	170 B	19,30,000 ^	NA	4,34,000 B	5,420	1.8	< 100
	10/12/2017	< 150	200	2,800	140 B	25,70,000 ^	NA	654,000	4,460	2.8	< 100
	7/12/2018	< 150	290	1,660	279	1,930,000	NA	587,000	3,800	1.4	240 HF
	5/9/2019	< 150	290	1,660	279	1,930,000	NA	587,000	3,800	1.4	240 HF
	9/13/2019	< 150	700	25,700	2,350	1,600,000	NA	415,000	2,500	21.6	4,100 HF
	12/5/2019	< 3.0	1,500	26,100	2,120	1,410,000	NA	349,000	2,400	26.1	< 100
	8/19/2020	<13.0	1,190	46,200	290	2,340,000	NA	505	3,710	43.4 T8	2,780 T8
	11/5/2020	<13.0	1,020	12,700	2,830	1,900,000	NA	398,000	3,730	6.28 T8	6,430 T8
	3/18/2021	<13.0	61	8,940	139	2,220,000	NA	667,000	4,360	7.82 T8	1,120 T8
	6/2/2021	<13.0	878	1,520	267	2,010,000	NA	540,000	3,500	0.293	1,220 T8
	8/12/2021	<13.0	1,070	1,380	1,550	1,560,000	NA	376,000	3,250	0.293	1,220 T8
	11/16/2021	<13.0	421	2,140	1,510	1,710,000	NA	600,000	3,710	0.293	1,220 T8

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	GC Volatiles - RSK-175		Inorganics			General Chemistry				
		Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron
NYSDEC TOGS 1.1.1		NE	NE	300	300	20,000	NE	NE	250	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L	ug/L
MW-23-D2R (cont.)	2/2/2022	<13.0	389	953	1,400	1,620,000	NA	529,000	3,630	627	326 J5T8
	5/5/2022	<13.0	1,310	803	1,240	1,180,000	NA	448,000	3,520	627	326 J5T8
	8/25/2022	<13.0	1,330	2,530	761	868,000	NA	391,000	2,500	0.751	1,780 T8
	11/29/2022	NA	NA	863	894	1,380,000	NA	494,000	3,210	NA	NA
	3/9/2023	<13.0	625	NA	NA	NA	NA	NA	NA	NA	NA
	6/1/2023	<13.0	172	2,740	662	966,000	NA	214,000	1,000	1.200	1,550 T8
MW-24-D1R	1/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	32 J	60 B	NA	550 J	6,42,000 B	NA	NA	NA
	10/26/2016	NA	NA	< 50	49 B	NA	526	526,000	NA	NA	NA
	10/26/2016	NA	NA	58 B	8.9 B	NA	324	324,000	NA	NA	NA
	10/26/2016	NA	NA	24 J B	59 B	NA	577	577,000	NA	NA	NA
	7/12/2018	1,100	5,900	10,100	120 B	2,140,000	NA	8,75,000 B	4,220	10.1	< 100
	10/16/2018	550 J	6,000	2,900	91	1,070,000	NA	583,000	2,370	2.9	< 100
	5/9/2019	< 310	1,600	4,120	79.6	1,720,000	NA	572,000	3,900	3.3	860 HF
	9/13/2019	100 J [99 J]	7,300 [7,700]	2,140 [4,060]	32.1 [56.5]	13,20,000 [15,20,000]	NA	4,11,000 [5,88,000]	1,800 [3,000]	1.9 [3.5]	[600 HF]
	12/5/2019	88 [280]	2,400 [8,400]	1,540 [1,410]	40.6 [38.3]	13,40,000 [11,70,000]	NA	3,01,000 [5,14,000]	1,900 [2,000]	1.3 [1.3]	[110 HF]
	2/11/2020	110 [270]	4,500 B [5900]	196 [426]	13.1 J [15]	13,70,000 [15,40,000]	NA	3,78,000 [5,30,000]	2,300 [2,500]	0.2 [0.26]	< 100 [170 H F]
	6/9/2020	230 [147]	5,930 [6,460]	1,290 [2,340]	22.6 [40.8]	15,50,000 [16,50,000]	NA	6,03,000 [6,05,000]	2,910 [3,200]	1.02 T8 [1.67 T8]	270 T8 [669 T8]
	8/19/2020	116 [111]	6,530 [6,280]	674 [819]	9.41 J [14.6]	14,40,000 [14,70,000]	NA	423 [485]	2,360 [2,390]	0.454 T8 [0.576 T8]	220 T8 [243 T8]
	11/5/2020	274 [219]	12,600 [9,970]	486 [631]	9.69 J [10.4]	1,430,000 [1,420,000]	NA	290,000 [287,000]	2,380 [2,310]	0.302 T8 [0.247 T8]	184 T8 [384 T8]
	3/19/2021	209 [219]	10,400 [11,100]	415 [4,070]	7.67 J [42.5]	1,430,000 [1,330,000]	NA	461,000 [523,000]	2,640 [2,750]	0.159 T8 [3.73 T8]	256 T8 [345 T8]
	6/1/2021	145 [139]	7,940 [6,890]	722 [2,570]	12.4 [39.2]	1,480,000 [1,560,000]	NA	475,000 [586,000]	2,730 [2,840]	<0.050 [1.560]	905 T8 [1,000 T8]
	11/16/2021	20.2 [21.8]	1,280 [1,390]	3,390 [15,100]	294 [290]	1,370,000 [1,390,000]	NA [NA]	413,000 [313,000]	2,300 [2,500]	<0.050 [1.560]	905 T8 [1,000 T8]
	2/2/2022	12.7 J [23.0]	872 [1,030]	2,270 [6,490]	333 [290]	1,360,000 [1,390,000]	NA [NA]	298,000 [359,000]	2,350 [2,350]	522 [998]	1,750 T8 [5,500 T8]
	5/4/2022	127 [122]	6,520 [6,430]	18,700 [25,800]	40.9 [48]	1,510,000 [1,430,000]	NA [NA]	522,000 [488,000]	2,610 [2,720]	522 [998]	1,750 T8 [5,500 T8]
	8/24/2022	134 [91.2]	2,380 [5,530]	4,490 [7,810]	70.9 [80.6]	1,500,000 [1,460,000]	NA [NA]	326,000 [392,000]	2,420 [2,660]	2.60 [0.758]	1,890 T8 [7,050 T8]
	11/29/2022	75.8 [53.3]	5,770 [4,490]	3,410 [5,450]	34.4 [56.6]	1,360,000 [1,340,000]	NA	415,000 [375,000]	1,960 [2,040]	0.287 T8 [0.790 T8]	3,130 T8 [4,660 T8]
	3/10/2023	99.8 [93.8]	5,990 [5,460]	2,770 [8,930]	50.8 [115]	1,500,000 [1,550,000]	NA	563,000 [519,000]	2,560 [2,550]	2.08 [8.47]	692 T8 [458 T8]
	5/31/2023	104 [117]	6,450 [5,350]	510 [714]	15.2 [24.1]	1,720,000 [1,610,000]	NA [NA]	518,000 [556,000]	2,300 [2,460]	0.261 [0.218]	249 T8 [496 T8]
MW-24-D2	1/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	40 J	55 B	NA	298,000 B	7,41,000 B	NA	NA	NA
	10/25/2016	NA	NA	49 J	62	NA	512	512,000	NA	NA	NA
	10/25/2016	NA	NA	< 50	56	NA	759	759,000	NA	NA	NA
	7/5/2017	< 140	130	1,800	88	25,20,000 ^	NA	667,000	4,060	1.8	< 100
	8/27/2017	< 150	980	6,600	160 B	2,260,000	NA	7,74,000 B	4,100	6.6	< 100
	10/11/2017	< 150	410	5,500	140 B	23,80,000 ^	NA	804,000	3,720	5.5	< 100
	7/12/2018	< 7.0	44	1,100	33 B	94,900	NA	1,14,000 B	182	1.1	< 100
	10/17/2018	< 150	370	610	32	1,08,000 ^	NA	102,000	201	0.61	< 100
	5/9/2019	< 7.0	< 4.0	391	7.7 J	100,000	NA	112,000	89	0.39	< 100 HF
	9/13/2019	< 7.0	< 4.0	2,160	35.6	81,400	NA	108,000	49	2	160 HF
	12/5/2019	0.57 J	270	2,090	58.7	366,000	NA	190,000	550	1.9	180 HF
	2/11/2020	< 3.0	210 B	1,450	22.2	349,000	NA	482,000	340	1.2	220 HF

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	GC Volatiles - RSK-175		Inorganics			General Chemistry				
		Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron
NYSDEC TOGS 1.1.1		NE	NE	300	300	20,000	NE	NE	250	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L	ug/L
MW-24-D2 (cont.)	6/9/2020	<13.0	2,180	380	24.8	471,000	NA	267,000	805	<0.050 T8	492 T8
	8/18/2020	<13.0	1,200	436	32.8	518,000	NA	235	728	<0.05 T8	1,160 T8
	11/5/2020	<13.0	5,720	491	36.4	819,000	NA	241,000	724	<0.05 T8	1,050 T8
	3/19/2021	<13.0	4,500	1,960	51.9	1,210,000	NA	607,000	2,240	1.14 T8	815 T8
	6/1/2021	<13.0	1,920	1,480	56.0	1,470,000	NA	674,000	2,360	0.343	1,140 T8
	11/16/2021	<13.0	1,400	556	22.4	453,000	NA	320,000	854	0.343	1,140 T8
	2/2/2022	<13.0	350	355	60.2	1,680,000	NA	740,000	2,720	<50	978 T8
	5/4/2022	<13.0	2,540	387	65.2	2,200,000	NA	752,000	3,770	<50	978 T8
	8/24/2022	<13.0	267	1,850	61.7	1,870,000	--	566,000	3,550	1.53	321 T8
	11/29/2022	<13.0	1,310	830	62.8	2,010,000	NA	662,000	3,380	0.830 T8	<500 T8
3/10/2023	<13.0	1,320	828	65.0	2,110,000 V	NA	716,000	3,560	<0.05	1,410 T8	
5/31/2023	<13.0	1,180	1,840	65.7	1,870,000	NA	709,000	3,340	1.130	704 T8	
MW-24-VDR	7/12/2018	2.3 J	160	37900	910 B	8,960,000	NA	4,54,000 B	16,000	37.8	100 HF
	10/17/2018	< 7.0	120	26,100	740	8,730,000	NA	416,000	13,100	26.1	< 100
	5/9/2019	< 7.7	13 J	25,200	597	6,100,000	NA	461,000	16,000	25.2	< 100 HF
	9/13/2019	<7.0	26	8,910	235	2,520,000	NA	295,000	7,300	8.2	700 HF
	12/5/2019	1.7 J	28	36,500	694	9,030,000	NA	446,000	17,000	36.5	< 100 HF
	2/11/2020	<3.0	40 B	31,500	523	7,000,000	NA	474,000	15,000	29.5	2000 HF
	6/9/2020	<13.0	77.0	37,100	454	7,320,000	NA	337,000	13,700	<0.100 T8	43,100 T8
	8/18/2020	<13.0	55.8	44,900	578	8,910,000	NA	332	12,800	12.8 T8	32,100 T8
	11/5/2020	<13.0	68.1	45,100	588	8,850,000	NA	388,000	15,800	2.71 T8	42,400 T8
	3/19/2021	<13.0	87.1	63,900	687	8,250,000	NA	459,000	17,300	31.6 T8	32,400 T8
	6/1/2021	<13.0	56.0	53,700	574	8,160,000	NA	413,000	15,500	<0.100	216,000 T8
	11/16/2021	<13.0	47.1	1,130	7.12 J	47,300	NA	18,900 J	172	<0.100	216,000 T8
	11/29/2022	<13.0	27.8	403	6.13 J	178,000	NA	71,300	273	<0.10	899 T8
	3/10/2023	<13.0	<10.0	3,290	25.2	293,000	NA	176,000	3,500	1.65	1,640 T8
	5/31/2023	<13.0	36.6	26,100	369	8,300,000	NA	307,000	8,870	4.140	21,900 T8
MW-26-D1	1/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	< 50	35 B	NA	569,000 B	5,69,000 B	NA	NA	NA
	10/25/2016	NA	NA	< 50	25	NA	479	479,000	NA	NA	NA
	10/25/2016	NA	NA	< 50	37	NA	591	591,000	NA	NA	NA
	7/5/2017	< 140	250	230	41	15,70,000 ^	NA	542,000	2,520	0.23	< 100
	8/27/2017	< 150	1,200	640	48 B	1,500,000	NA	5,32,000 B	2,530	0.64	< 100
	10/11/2017	< 7.0	10	190	75 B	304,000	NA	177,000	483	0.19	< 100
	7/13/2018	< 310	2,900	320	35 B	1,640,000	NA	558,000	2,810	0.32	< 100
	10/17/2018	< 150	1,800	280	24 B	1,510,000	NA	416,000	2,540	0.28	< 100
	9/13/2019	< 150	4,100	93.9 J	19.2	1,400,000	NA	542,000	3,000	<0.10	170 HF
	12/6/2019	21	2,400	364	18	1,260,000	NA	405,000	2,000	0.25	110 HF
	2/11/2020	21	1,900 B	1,080	25.6	1,440,000	NA	405,000	2,100	0.51	570 HF
	6/10/2020	65.8	3,260	553	21.4	1,300,000	NA	438,000	2,400	<0.050 T8	557 T8
	8/19/2020	23.2	2,030	1,340	31.4	1,370,000	NA	500	2,360	1.01 T8	336 T8
	11/6/2020	39.2	2,820	554	21.4	1,360,000	NA	387,000	2,340	0.326 T8	228 T8
6/2/2021	113	3,910	805	28.3	1,320,000	NA	443,000	2,330	0.442	363 T8	

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	GC Volatiles - RSK-175		Inorganics			General Chemistry				
		Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron
NYSDEC TOGS 1.1.1		NE	NE	300	300	20,000	NE	NE	250	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L	ug/L
MW-26-D1 (cont.)	8/12/2021	98.1	3,810	544	32.9	1,150,000	NA	479,000	2,060	0.442	363 T8
	11/16/2021	8.37 J	872	335	17.9	1,320,000	NA	418,000	2,290	0.442	363 T8
	2/2/2022	<13.0	1,430	152 B	15.9	1,340,000	NA	411,000	2,500	42.2 J	110 T8
	5/5/2022	16.3	4,490	166	25.4	1,340,000	NA	470,000	2,460	42.2 J	110 T8
	8/25/2022	17.2	6,040	181	39.0	1,320,000	NA	456,000	2,300	<0.05	225 T8
	11/29/2022	<13.0	9,050	510	111	1,270,000	NA	483,000	2,160	0.479	31.0 JT8
	3/10/2023	<13.0	4,120	502	43.3	1,260,000	NA	466,000	2,200	<0.05	771 T8
6/1/2023	<13.0	7,310	1,230	229	1,330,000	NA	541,000	2,330	0.1	1,150 T8	
MW-26-D2	1/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	490 B	700 B	NA	344	344,000	NA	NA	NA
	10/25/2016	NA	NA	55	63	NA	NA	NA	NA	NA	NA
	10/25/2016	NA	NA	< 50	140	NA	653	653,000	NA	NA	NA
	7/5/2017	< 7.0	76	970	420	39,30,000 ^	NA	348,000	9,010	0.97	< 100
	8/27/2017	< 77	92	970	310 B	3,370,000	NA	379,000	7,980	0.97	< 100
	10/11/2017	< 150	670	1,100	160 B	2,770,000	NA	435,000	8,600	1.1	< 100
	10/17/2018	< 150	1,100	150	52 B	2,190,000	NA	509,000	3,820	0.15	< 100
	5/9/2019	< 620	750	466	75.2	2,420,000	NA	684,000	5,000	0.47	< 100 HF
	9/13/2019	<77	1,000	207	65.6	2,270,000	NA	702,000	4,000	0.21	<100 HF
	12/6/2019	< 3.0	1,300	54.4 J	59.8	2,340,000	NA	628,000	4,000	< 0.1	270 HF
	2/11/2020	< 3.0	710 B	348	88.8	2,500,000	NA	588,000	3,900	0.35	< 100 HF
	6/10/2020	<13.0	1,340	84.3 J	68.3	2,190,000	NA	671,000	4,390	<0.050 T8	279 T8
	8/19/2020	<13.0	360	402	99.5	2,280,000	NA	638	4,160	0.242 T8	160 T8
	11/16/2021	<13.0	35	1,310	1,300	2,320,000	NA	168,000	5,590	0.242 T8	160 T8
MW-26-VD	1/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	74,000 B	2,600 B	NA	61 B	1,76,000 B	NA	NA	NA
MW-27-D1R	1/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	430	200 B	NA	51,600	7,95,000 B	NA	NA	NA
	7/5/2017	< 350	550	2,800	56	11,30,000 ^	NA	3,94,000 B	2,860	2.8	< 100
	8/27/2017	< 150	1,100	1,300	330 B	960,000	NA	884,000	5,640	1.3	< 100
	7/13/2018	< 620	3,700	8,200	170 B	1,690,000	NA	5,26,000 B	2,770	8	170 HF
	10/18/2018	< 150	3,900	2,100	61 B	1,770,000	NA	725,000	3,890	2	91 J HF
	5/10/2019	< 77	1,600	51,600	456	1,900,000	NA	579,000	3,500	50.7	910 HF
	9/14/2019	<310	1,600	12,800	161	2,090,000	NA	724,000	3,400	12.4	420 HF
	12/5/2019	40	2,600	1,310	51.9	1,920,000	NA	762,000	3,800	1.3	< 100
	8/19/2020	19.9	1,530	10,600	156	2,710,000	NA	945	5,060	0.178 T8	10,400 T8
	11/6/2020	27.8	2,010	10,900	176	2,140,000	NA	652,000	3,870	10.4 T8	552 T8
	3/20/2021	39.4	3,920	8,780	150	2,160,000	NA	788,000	4,300	8.07 T8	703 T8
	6/2/2021	46.0	2,310	59,600	622	2,230,000	NA	795,000	4,330	59.2	327 T8
	8/12/2021	42.1	2,260	6,400	138	2,120,000	NA	839,000	3,970	59.2	327 T8
	11/17/2021	10.7 J	361	684	57.9	2,270,000	NA	764,000	4,260	59.2	327 T8
	2/2/2022	6.14 J	376	3,770	100	2,150,000	NA	675,000	4,100	3,020	751 T8
	5/5/2022	34.9	1,540	3,380	94.5	2,230,000	NA	842,000	4,230	3,020	751 T8

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	GC Volatiles - RSK-175		Inorganics			General Chemistry				
		Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron
NYSDEC TOGS 1.1.1		NE	NE	300	300	20,000	NE	NE	250	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L	ug/L
MW-27-D1R (cont.)	11/29/2022	<13.0	684	3,650	343	2,510,000	NA	389,000	4,690	<0.10	5,480 T8
	3/9/2023	20.3	1,340	371	50.1	2,290,000	NA	765,000	3,680	0.113	258 T8
	5/31/2023	22.5	1,110	79.4 J	46.1	2,160,000	NA	768,000	3,460	<0.05	118 T8
MW-27-D2	1/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	1,300	38 B	NA	940 B	2,79,000 B	NA	NA	NA
	7/5/2017	< 70	53	12,400	550	26,90,000 ^	NA	4,08,000 B	6,330	12.4	< 100
	8/27/2017	< 77	180	11,600	1,200 B	31,40,000 ^	NA	303,000	9,140	11.6	< 100
	10/12/2017	< 150	350	9,500	1,700 B	44,60,000 ^	NA	374,000	8,290	9.1	450 HF
	7/13/2018	< 310	1,500	4,600	340 B	2,530,000	NA	3,63,000 B	7,510	4.6	< 100
	10/18/2018	< 150	1,200	2,800	940 B	3,580,000	NA	195,000	8,300	2.8	< 100
	5/10/2019	< 150	310	902	197	505,000	NA	599,000	4,100	0.14	760 HF
	9/14/2019	< 150	1,200	4,080	272	1,120,000	NA	638,000	3,500	3.5	630 HF
	12/5/2019	< 3.0	1,600	1,190	174	1,620,000	NA	526,000	3,600	1.1	120 HF
	2/12/2020	< 3.0	910 B	1,920	230	1,940,000	NA	511,000	3,800	1.4	480 HF F1
	6/10/2020	<13.0	1,100	887	97.6	1,880,000	NA	496,000	4,660	<0.100 T8	4,450 T8
	8/19/2020	<13.0	876	747	199	2,470,000	NA	397	3,690	<0.05 T8	1,470 T8
	11/6/2020	<13.0	408	1,360	996	3,260,000	NA	323,000	7,520	<0.1 T8	12,600 T8
	3/20/2021	<13.0	907	10,600	1,610	4,090,000	NA	291,000	8,920	6.06 T8	4,550 T8
	6/2/2021	<13.0	794	12,700 O1	1,600 O1	4,510,000	NA	275,000	9,290	5.12	7,580 T8
	8/12/2021	<13.0	180	9,250	1,600	4,250,000	NA	338,000	7,000	5.12	7,580 T8
	11/17/2021	<13.0	88.7	5,380	1,280	3,690,000	NA	252,000	6,730	5.12	7,580 T8
	2/2/2022	<13.0	104	12,200	1,680	4,350,000	NA	333,000	7,580	<100	16,800 T8
	5/5/2022	<13.0	411	14,300	1,710	4,710,000	NA	274,000	5,610	<100	16,800 T8
	8/25/2022	<13.0	412	8,410	1,540	3,560,000	NA	211,000	4,430	0.0213 J	8,390 T8
	11/29/2022	27.6	1,870	431	46.5	2,120,000	NA	639,000	3,900	<0.05	1,010 T8
	3/9/2023	<13.0	389	9,230	1,560	4,010,000	NA	305,000	8,440	6.95	2,270 T8
	5/31/2023	<13.0	240	2,020	1,170	3,430,000	NA	336,000	6,600	<0.1	16,600 T8
MW-28-D1	6/24/2016	NA	NA	79	68 B	NA	667,000	7,45,000 B	NA	NA	NA
	7/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	< 140	290	3,600	67	418,000 ^	NA	457,000	3,120	3.6	< 100
	8/27/2017	< 150	1,000	740	19 B	10,40,000 ^	NA	393,000	3,310	0.74	< 100
	10/11/2017	< 150	520	950	27 B	998,000	NA	196,000	1,530	0.95	< 100
	10/17/2018	< 310	1,500	980	22 B	386,000	NA	102,000	945	0.98	< 100
	5/9/2019	< 620	1,300	2,480	89	1,940,000	NA	667,000	3,300	1.9	600 HF
	9/13/2019	<150	1,600	511	63.1	1,970,000	NA	735,000	2,900	<0.10	560 HF
	12/5/2019	15	2,500	169	10.4 J	874,000	NA	337,000	1,800	<0.10	100 HF
	2/11/2020	11	1,800 B	253	49.4	1,160,000	NA	495,000	1,900	<0.10	280 HF
	6/9/2020	<13.0	1,140	226	47.8	1,360,000	NA	472,000	2,570	<0.050 T8	522 T8
	8/19/2020	<13.0	361	167	57.7	1,410,000	NA	496	2,490	0.0216 JT8	145 T8
	11/6/2020	<13.0	4,740	54.8 J	51.3	1,540,000	NA	548,000	3,110	<0.05 T8	160 T8
	6/2/2021	<13.0	788	88.9 J	40.0	1,340,000	NA	305,000	1,410	<0.050	247 T8
	8/12/2021	<13.0	1,380	101	36.0	867,000	NA	485,000	1,970	<0.050	247 T8
	11/16/2021	<13.0	249	820	43.1	108,000	NA	104,000	202	<0.050	247 T8

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	GC Volatiles - RSK-175		Inorganics			General Chemistry				
		Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron
NYSDEC TOGS 1.1.1		NE	NE	300	300	20,000	NE	NE	250	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L	ug/L
MW-28-D1 (cont.)	2/2/2022	<13.0	805	240 B	14.3	129,000	NA	125,000	157	52.2	188 T8
	5/5/2022	<13.0	277	230	32.5	387,000	NA	294,000	1,130	52.2	188 T8
	8/25/2022	<13.0	23.5	958	60.7	335,000	NA	254,000	565	<0.05	1,548 T8
	11/29/2022	<13.0	1,700	399	75.6	425,000	NA	293,000	672	0.0229 J	376 T8
	3/9/2023	<13.0	1,250	530	76.9	1,850,000	NA	717,000	3,500	<0.05	677 T8
	6/1/2023	<13.0	1,640	381	75.8	2,010,000	NA	736,000	3,680	0.116	265 T8
MW-28-D2R	6/24/2016	NA	NA	52,800	1,100 B	NA	182	182,000	NA	NA	NA
	7/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	< 7.0	67	6,800	340	38,10,000 ^	NA	334,000	9,090	6.7	92 J HF
	8/27/2017	< 77	62	6,000	500 B	5,340,000	NA	3,37,000 B	11,300 B	5.6	420 HF
	10/11/2017	< 150	370	9,300	470 F1 B	4,750,000	NA	412,000	6,670	9.1	160 HF
	7/13/2018	< 310	880	5,200	190 B	3,000,000	NA	4,68,000 B	4,010	5.2	< 100
	10/17/2018	< 150	240	2,200	710 B	4,670,000	NA	333,000	9,820	2.2	< 100
	5/9/2019	< 310	730	569	224	2,850,000	NA	385,000	7,600	0.37	200 HF
	9/13/2019	<7.0	620	450	241	2,700,000	NA	428,000	4,600	0.25	200 HF
	12/6/2019	<3.0	310	463	989	4,430,000	NA	349,000	7,400	0.3	160 HF
	2/11/2020	< 3.0	1,000 B	252	184	1,620,000	NA	276,000	3,600	0.25	100 U HF
	6/9/2020	<13.0	239	5,050	1,730	4,130,000	NA	339,000	18,800	<0.100 T8	6,540 T8
	8/19/2020	<13.0	212	48,300	855	5,750,000	NA	343	9,550	43.8 T8	4,540 T8
	11/6/2020	<13.0	618	5,890	370	2,760,000	NA	395,000	6,460	<0.1 T8	8,800 T8
	3/20/2021	<13.0	416	4,220	1,190	5,210,000	NA	347,000	10,800	3.66 T8	566 T8
	6/2/2021	<13.0	465	7,120	1,290	5,370,000	NA	348,000	10,900	6.27	846 T8
	8/12/2021	<13.0	191	7,560	2,180	4,570,000	NA	369,000	7,480	6.27	846 T8
	11/16/2021	<13.0	83.7	6,620	2,020	4,550,000	NA	341,000	5,880	6.27	846 T8
	2/2/2022	<13.0	<10.0	5,270	2,120	4,370,000	NA	337,000	9,970	<100	10,700 T8
	5/5/2022	<13.0	666	1,600	244	2,210,000	NA	434,000	5,580	<100	10,700 T8
	8/25/2022	<13.0	537	1,270	356	2,100,000	NA	376,000	3,850	<0.05	1,770 T8
	11/29/2022	<13.0	226	950	137	973,000	NA	330,000	3,550	0.698	252 T8
	3/9/2023	<13.0	456	258	287	2,390,000	NA	401,000	4,350	<0.05	403 T8
	6/1/2023	<13.0	434	453	174	1,130,000	NA	158,000	1,730	<0.05	493 T8
MW-29-D1	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	520	270 B	NA	4.3 J	5,67,000 B	NA	NA	NA
	10/26/2016	NA	NA	220 B	250 B	NA	540	540,000	NA	NA	NA
	10/26/2016	NA	NA	< 50	5.2 B	NA	547	547,000	NA	NA	NA
	7/5/2017	< 280	680	460	350	9,51,000 ^	NA	556,000	1,610	0	< 100
	8/27/2017	< 620	11,000	2,400	150 B	24,70,000 ^	NA	5,60,000 B	1,580	2.4	< 100
	10/12/2017	< 150	5,200	3,400	300 B	8,93,000 ^	NA	619,000	1,530	3.4	< 100
	7/13/2018	< 620	15,000	1,300	340 B	988,000	NA	5,63,000 B	1,680	1.3	< 100
	10/18/2018	< 1500	19,000	1,500	270 B	960,000	NA	535,000	1,550	1.5	< 100
	5/10/2019	< 77	9,300 E	1,450	470	839,000	NA	469,000	1,700	1.4	63 J HF
	9/14/2019	<150	3,200	4,370	58.4	23,500	NA	40,100	58	4.3	110 HF
	12/6/2019	< 3.0	1,100	673	32.1	75,900	NA	63,500	130	0.67	< 100
	2/12/2020	< 3.0	340 B	2,040	131	105,000	NA	62,700	160	1.8	230 HF

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	GC Volatiles - RSK-175		Inorganics			General Chemistry				
							Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron
		Ethene	Methane	Iron	Manganese	Sodium					
NYSDEC TOGS 1.1.1		NE	NE	300	300	20,000	NE	NE	250	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L	ug/L
MW-29-D1 (cont.)	6/10/2020	<13.0	10,700	741	161	643,000	NA	273,000	1,050	0.379 T8	362 T8
	8/19/2020	<13.0	6,710	1,360	172	574,000	NA	256	950	1.13 T8	232 T8
	11/6/2020	<13.0	10,700	199	146	460,000	NA	208,000	795	<0.05 T8	204 T8
	3/20/2021	<13.0	6,640	8,750	205	524,000	NA	285,000	975	4.55 T8	4,200 T8
	6/2/2021	<13.0	660	42,600	484	437,000	NA	174,000	566	40.4	2,190 T8
	8/12/2021	<13.0	4,950	5,200	272	446,000	NA	235,000	787	40.4	2,190 T8
	5/5/2022	<13.0	5,410	35,100	311	577,000	NA	266,000	930 E V	40.4	2,190 T8
	11/29/2022	<13.0	4,660	1,510	12.3	17,400	NA	41,400	29	<0.10	1,590 T8
	3/10/2023	<13.0	1,800	12,500	152	229,000	NA	669,000	577	<0.10	14,800 T8
6/1/2023	<13.0	3,130	3,240	83.8	96,400	NA	141,000	426	0.889	2,360 T8	
MW-29-D2	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	64	150 B	NA	430 B	4,53,000 B	NA	NA	NA
MW-29-VD	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	390	62 B	NA	229 B	2,29,000 B	NA	NA	NA
MW-30-D1	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	360 B	93 B	NA	841 B	8,41,000 B	NA	NA	NA
MW-30-D2	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	< 50	110 B	NA	755 B	7,55,000 B	NA	NA	NA
MW-30-VD	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	4,900 B	260 B	NA	713 B	7,13,000 B	NA	NA	NA
MW-31-D1R	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	230 B	25 B	NA	221 B	2,21,000 B	NA	NA	NA
MW-31-D2R	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	2,200 B	430 B	NA	508 B	5,08,000 B	NA	NA	NA

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Table 3
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Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	General Chemistry					
		Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		10,000	1	10,000	NE	NE	NE
Units		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-12	1/14/2016	NA	NA	NA	NA	NA	NA
AMW-13-D1	6/24/2016	NA	NA	NA	170,000	11,900	NA
	7/27/2016	NA	NA	NA	NA	NA	NA
AMW-13-D2	6/23/2016	NA	NA	NA	250,000	2,600	NA
	7/27/2016	NA	NA	NA	NA	NA	NA
AMW-13-VD	6/23/2016	NA	NA	NA	1,860,000	< 100	NA
	7/27/2016	NA	NA	NA	NA	NA	NA
AMW-14-D1	6/24/2016	NA	NA	NA	103,000	48,000	NA
	7/26/2016	NA	NA	NA	NA	NA	NA
	7/5/2017	< 50	< 0.050	NA	140,000	38,000	13,100 B
	8/27/2017	< 50	< 0.050	NA	251,000	56,400	10,600 B
	10/11/2017	< 50	< 0.050	NA	1,24,000 B	50,400	23,600 B
	7/12/2018	< 50	< 0.050	NA	172,000	50,800	NA
	10/17/2018	< 50	< 0.050	NA	1,98,000 B	48,400	NA
	5/10/2019	80 J	<0.10	NA	98,000	52,700	45,400 B
	9/13/2019	14 J B	<0.10	NA	240,000	64,600	22,100
	12/5/2019	<100	<0.10	NA	130,000	62,600	21,100
	2/12/2020	17 J H	< 0.1	NA	280,000	64,700	18,400
	6/10/2020	--	--	<1,000	219,000	<50.0	19,200
	8/19/2020	NA	NA	<2,000	131,000	4.16	26,900
	11/4/2020	NA	NA	<100	127,000	458	39,000
	3/19/2021	NA	NA	<2,000	112,000	182	20,000 B
	6/2/2021	NA	NA	<2,000	266,000	341	18,900
	8/12/2021	NA	NA	<2,000	266,000	341	18,900
	11/16/2021	NA	NA	<2,000	266,000	341	18,900
	2/2/2022	NA	NA	<500	114,000	11,000	34,000
	5/5/2022	NA	NA	<500	114,000	11,000	34,000
	8/24/2022	NA	NA	<1,000	133,000	63.0 Q	25,900 B
	11/29/2022	NA	NA	<5,000	120,000	12,300	25,600
	3/9/2023	NA	NA	NA	235,000	3,400	38,800
	05/31/2023	NA	NA	<100	108,000	3,490	46,000
AMW-14-D2	6/23/2016	NA	NA	NA	263,000	22,500	NA
	7/26/2016	NA	NA	NA	NA	NA	NA
	7/27/2016	NA	NA	NA	NA	NA	NA
	8/27/2017	< 50	< 0.050	NA	507,000	4,200	7,800 B
	10/11/2017	< 50	< 0.050	NA	2,10,000 B	27,200	11,600 B
	7/12/2018	< 50	< 0.050	NA	315,000	56,000	NA
	10/17/2018	< 50	< 0.050	NA	3,27,000 B	58,800	NA
	5/10/2019	49 J	<0.10	NA	84,000	71,600	18,500 B
	9/13/2019	<100	0.0092 J B	NA	120,000	60,800	19,200
	12/5/2019	<100	<0.10	NA	260,000	51,200	18,300
	2/12/2020	< 100	<0.1	NA	310,000	59,700	16,700
	6/10/2020	NA	NA	<1,000	270,000	<50.0	14,500

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	General Chemistry					
		Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		10,000	1	10,000	NE	NE	NE
Units		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-14-D2 (cont.)	8/19/2020	NA	NA	<2,000	182,000	1.01	16,200
	11/5/2020	NA	NA	<100	176,000	8,060	16,800
	3/19/2021	--	--	<2,000	321,000	79	15,300
	6/2/2021	NA	NA	<2,000	272,000	1,180	2,990 B
	8/12/2021	NA	NA	<2,000	272,000	1,180	2,990 B
	11/16/2021	NA	NA	<2,000	272,000	1,180	2,990 B
	2/2/2022	NA	NA	<2,000	221,000	4,040	15,700
	5/5/2022	NA	NA	<2,000	221,000	4,040	15,700
	8/24/2022	NA	NA	<1,000	157,000	<50.0 Q	15,200 B
	11/29/2022	NA	NA	515	111,000	1,280	13,300 B
	3/9/2023	NA	NA	<500	154,000	219,000	14,700
05/31/2023	NA	NA	<100	190,000	1,650	13,000	
AMW-14-VD	6/23/2016	NA	NA	NA	1,780,000	< 100	NA
	7/27/2016	NA	NA	NA	NA	NA	NA
	7/5/2017	< 50	< 0.050	NA	1,830,000	800 J	3,400 B
	8/27/2017	< 50	< 0.050	NA	2,000,000	< 1,000	4,000 B
	10/11/2017	< 50	< 0.050	NA	1,890,000	800 J	4,500 B
	7/12/2018	< 50	< 0.050	NA	1,870,000	5,200 F1	NA
	10/17/2018	< 50	< 0.050	NA	19,20,000 B	< 1,000	NA
	5/10/2019	94 J	0.076 J	NA	2,000,000	<1,000	18,300 B
	9/13/2019	35 J B	0.027 J B	NA	1,700,000	830 J	8,500
	12/5/2019	< 100	0.020 J B	NA	2,800,000	1,200	9,300
	2/12/2020	21 J B	0.019 J B	NA	2,000,000	< 1.0	7,900
	6/10/2020	NA	NA	<100	1,920,000	<50.0	7,270
	8/20/2020	NA	NA	<100	1,850,000	<0.05	8,160
	11/5/2020	NA	NA	<100	2,250,000	117	7,270
	3/19/2021	NA	NA	82.0 J	1,960,000	<50	8,300
	6/2/2021	NA	NA	56.4 J	1,790,000	<50 J6	7,340 B
	8/12/2021	NA	NA	56.4 J	1,790,000	<50 J6	7,340 B
	11/16/2021	NA	NA	56.4 J	1,790,000	<50 J6	7,340 B
	2/2/2022	NA	NA	<500	1,880,000	<50	7,000
	5/5/2022	NA	NA	<500	1,880,000	<50	7,000
	8/24/2022	NA	NA	<100	1,800,000	<50.0 Q	8,010
	11/29/2022	NA	NA	<100	1,680,000	<50.0	8,800
	3/9/2023	NA	NA	<100	1,790,000	<50.0	7,770
	05/31/2023	NA	NA	<100	1,720,000	<50.0	7,910
AMW-15-D1	6/23/2016	NA	NA	NA	166,000	20,500	NA
	7/27/2016	NA	NA	NA	NA	NA	NA
	10/26/2016	NA	NA	NA	63,100	8,000	NA
	10/26/2016	NA	NA	NA	164,000	36,000	NA
	7/5/2017	< 50	< 0.050	NA	1,640,000	42,000	9,400 B
	8/27/2017	< 50	< 0.050	NA	156,000	53,200	53,400 B
	10/11/2017	< 50	< 0.050	NA	1,89,000 B	41,600	36,200 B

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Table 3

Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023

Chevron Facility #6518040

Former Gulf Oil Terminal

Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	General Chemistry					
		Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		10,000	1	10,000	NE	NE	NE
Units		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D1 (cont.)	10/17/2018	79	< 0.050	NA	188,000	56,000	NA
	5/9/2019	430 J	0.38 J	NA	200,000	41,400	36,800 B
	9/13/2019	< 100	0.029 J	NA	380,000	31,100	38,500
	12/5/2019	< 100	<0.10	NA	180,000	30,700	40,800
	2/11/2020	17 J H	0.017 J H	NA	380,000	11,500	26,300
	6/10/2020	NA	NA	<1,000	331,000	51.0	31,800
	8/19/2020	NA	NA	<10000	202,000	25.6	40,600
	11/4/2020	NA	NA	<100	138,000	514	32,100
	3/19/2021	NA	NA	<2,000	115,000	1,630	27,400
	6/2/2021	NA	NA	<2,000	290,000	1,380 Q	31,900
	11/16/2021	NA	NA	<2,000	290,000	1,380 Q	31,900
	2/1/2022	NA	NA	<1,000	117,000	236 J4	30,300
	5/5/2022	NA	NA	<1,000	117,000	236 J4	30,300
	8/24/2022	NA	NA	<1,000	52,100	<50.0 Q	18,600 B
	11/28/2022	NA	NA	<5,000	143,000	<50.0	28,000
	3/10/2023	NA	NA	<1,000	111,000	19,700	4,570
	06/01/2023	NA	NA	<100	131,000	17,400	22,800
AMW-15-D2	6/23/2016	NA	NA	NA	166,000	1,800	NA
	6/23/2016	NA	NA	NA	165,000	1,900 F1	NA
	7/27/2016	NA	NA	NA	NA	NA	NA
	10/26/2016	NA	NA	NA	243,000	12,800	NA
	10/26/2016	NA	NA	NA	216,000	36,000	NA
	7/5/2017	< 50	< 0.050	NA	269,000	34,000	10,300 B
	8/27/2017	< 50	< 0.050	NA	237,000	58,000	10,900 B
	10/11/2017	< 50	< 0.050	NA	2,54,000 B	45,200	9,800 B
	10/17/2018	< 50	< 0.050	NA	2,62,000 B	48,000	NA
	5/10/2019	47 J	0.0070 J	NA	220,000	50,800	14,200 B
	9/13/2019	< 100	<0.10	NA	330,000	55,100	14,800
	12/5/2019	< 100	<0.10	NA	280,000	58,800	15,800
	2/11/2020	< 100	<0.10	NA	380,000	54,600	13,700
	6/9/2020	NA	NA	<1,000	301,000	186	12,000
	8/19/2020	NA	NA	<2000	166,000	0.214	12,300
	11/4/2020	NA	NA	<100	263,000	58	13,300
	3/19/2021	NA	NA	<2,000	256,000	98	12,700
	6/2/2021	NA	NA	<2,000	51,000	221	10,600
	8/12/2021	NA	NA	<2,000	51,000	221	10,600
	11/16/2021	NA	NA	<2,000	51,000	221	10,600
	2/1/2022	NA	NA	<1,000	201,000	1,070,000 J4	9,600
	5/4/2022	NA	NA	<1,000	201,000	1,070,000 J4	9,600
	8/24/2022	NA	NA	<1,000	282,000	<50.0 Q	10,600 B
	11/29/2022	NA	NA	<5,000	244,000	107	11,800 B
	3/10/2023	NA	NA	<500	216,000	<50.0	10,800
	6/1/2023	NA	NA	<200	291,000	3,270	12,900

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Table 3
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Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	General Chemistry					
		Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		10,000	1	10,000	NE	NE	NE
Units		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3	6/23/2016	NA	NA	NA	1,790,000	NA	NA
	6/23/2016	NA	NA	NA	784,000	NA	NA
	7/27/2016	NA	NA	NA	NA	NA	NA
	8/27/2017	< 50	< 0.050	NA	495,000	16,400	34,300 B
	10/11/2017	< 50	< 0.050	NA	897,000 B	39,200	7,200 B
	7/13/2018	< 50	< 0.050	NA	482,000	22,800	NA
	10/17/2018	< 50	< 0.050	NA	916,000	35,600	NA
	5/10/2019	42 J	0.056 J	NA	980,000	41,400	14,400 B
	9/13/2019	< 100	<0.10	NA	300,000	55,100	11,000
	12/5/2019	< 100	<0.10	NA	470,000	58,800	12,300
	2/11/2020	< 500 H	< 0.5 H	NA	290,000	23,200	13,700
	6/9/2020	NA	NA	<1,000	534,000	<50.0	13,700
	8/19/2020	NA	NA	<500	919,000	6.8	20,100
	11/4/2020	NA	NA	<100	337,000	1,050	13,500
	3/19/2021	NA	NA	<500	275,000	27.0 J	8,250
	6/1/2021	NA	NA	<500	50,500	56.0 Q	13,900
	8/12/2021	NA	NA	<500	50,500	56.0 Q	13,900
	11/16/2021	NA	NA	<500	50,500	56.0 Q	13,900
	2/1/2022	NA	NA	628 J	182,000	970 J4	9,330
	5/5/2022	NA	NA	628 J	182,000	970 J4	9,330
	11/28/2022	NA	NA	<5,000	660,000	<50.0	7,820 B
	3/9/2023	NA	NA	<500	971,000	28.0 J	13,600
	6/1/2023	NA	NA	<200	782,000	96.0	6,570
AMW-15-VD	6/23/2016	NA	NA	NA	1,810,000	< 100	NA
	7/27/2016	NA	NA	NA	NA	NA	NA
	8/27/2017	< 50	< 0.050	NA	2,140,000	< 1,000	3,500 B
	10/11/2017	< 50	< 0.050	NA	20,70,000 B	< 1,000	3,400 B
	7/13/2018	< 50	< 0.050	NA	1,890,000	800 J	NA
	10/17/2018	< 50	< 0.050	NA	15,30,000 B	< 1,000	NA
	5/10/2019	< 100	0.035 J	NA	2,000,000	<1000	6,800 B
	9/13/2019	< 100	0.011 J	NA	1,800,000	<1,000	6,900
	12/5/2019	< 100 U F1	0.019 JB	NA	2,800,000	<1,000	7,700
	2/11/2020	< 500 H	< 0.5 H	NA	2,000,000	< 1.0	6,500
	6/9/2020	NA	NA	<100	1,990,000	<50.0	6,450 B
	8/19/2020	NA	NA	<500	1,970,000	<0.05	7,560
	11/4/2020	NA	NA	<100	2,270,000	144	8,040 B
	3/19/2021	NA	NA	<2,000	1,990,000	<50	8,970
	6/2/2021	NA	NA	<100	630,000	<50	4,140 B J
	8/12/2021	NA	NA	<100	630,000	<50	4,140 B J
	11/16/2021	NA	NA	<100	630,000	<50	4,140 B J
	2/1/2022	NA	NA	<100	1,940,000	<64 J4	6,400
	5/5/2022	NA	NA	<100	1,940,000	<64 J4	6,400
	8/24/2022	NA	NA	204	2,030,000	<50.0 O	7,510 B

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Table 3
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Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	General Chemistry					
		Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		10,000	1	10,000	NE	NE	NE
Units		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-15-VD (cont.)	11/28/2022	NA	NA	135	1,260,000	<50.0	7,410
	3/10/2023	NA	NA	<100	1,780,000	<50.0	5,900
	6/1/2023	NA	NA	<100	1,880,000	<50.0	7,850
AMW-3	1/13/2016	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	NA	970,000	5,300	NA
AMW-7R	1/12/2016	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	NA	82,300	5,200	NA
	7/11/2018	< 50	< 0.050	NA	41,900	3,800	NA
	10/17/2018	< 50	< 0.050	NA	22,600 B	1,600	NA
	5/10/2019	< 100	0.023 J	NA	82,000 F1	<1000	19,800
	9/14/2019	<100	0.015 J B	NA	49,000	1,200	20,800
	12/6/2019	25 J B	0.017 J	NA	84,000	1,900	88,400
	2/12/2020	23 J B	0.02 J B	NA	75,000	10,400	19,800
	6/9/2020	NA	NA	<100	68,600	<50.0	20,500
	8/19/2020	NA	NA	<500	96,200	0.062	28,900
	11/6/2020	NA	NA	<100	37,600	<50	23,500
	3/19/2021	NA	NA	<100	115,000	<50	24,300
	6/2/2021	NA	NA	<100 J6	62,200	55.0	20,600
	8/12/2021	NA	NA	<100 J6	62,200	55.0	20,600
	11/16/2021	NA	NA	<100 J6	62,200	55.0	20,600
	5/5/2022	NA	NA	<100 J6	62,200	55.0	20,600
	11/29/2022	NA	NA	<500	47,500	<50.0	23,500
	3/10/2023	NA	NA	<500	57,200	<50.0	21,400
	6/1/2023	NA	NA	172	163,000	<50.0	13,400
ASB-2	6/6/2016	NA	NA	NA	NA	NA	NA
ASB-3	6/8/2016	NA	NA	NA	NA	NA	NA
ASB-4	6/7/2016	NA	NA	NA	NA	NA	NA
ASB-5	6/2/2016	NA	NA	NA	NA	NA	NA
ASB-7	6/2/2016	NA	NA	NA	NA	NA	NA
MW-18R	6/22/2016	NA	NA	NA	27,800	< 100	NA
	7/11/2018	< 50	< 0.050	NA	120,000	12,200	NA
	10/17/2018	< 50	< 0.050	NA	20,000 B	11,600	NA
	9/14/2019	<100	0.024 J B	NA	86,000	14,800	95,400
	12/5/2019	30 JB	0.029 J	NA	74,000	15,900	123,000
	2/12/2020	160 B	0.053 J B	NA	14,000	910 J	55,000
	6/9/2020	NA	NA	<1,000	87,100	70.0	57,700
	3/19/2021	NA	NA	<2,000	48,700	55.0	61,100
	6/2/2021	NA	NA	<100	36,700	38.0 J	29,200
	8/12/2021	NA	NA	<100	36,700	38.0 J	29,200
	11/16/2021	NA	NA	<100	36,700	38.0 J	29,200
	2/2/2022	NA	NA	<500	--	--	--
	5/5/2022	NA	NA	<500	--	--	--
	8/25/2022	NA	NA	NA	NA	NA	NA

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	General Chemistry					
		Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		10,000	1	10,000	NE	NE	NE
Units		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-18R (cont.)	11/29/2022	NA	NA	<500	90,200	NA	NA
	3/9/2023	NA	NA	NA	68,600	NA	12,200
	5/31/2023	NA	NA	NA	NA	NA	NA
MW-23-D1R	10/26/2016	NA	NA	NA	148,000	6,400	NA
	10/26/2016	NA	NA	NA	156,000	13,600	NA
	1/12/2016	NA	NA	NA	NA	NA	NA
	6/20/2016	NA	NA	NA	180,000	16,900 F1	NA
	7/5/2017	< 50	< 0.050	NA	259,000	8,400	16,100 B
	8/27/2017	23 J H	< 0.050	NA	173,000	15,400	17,300 B
	10/12/2017	< 50	< 0.050	NA	1,78,000 B	26,800	15,400 B
	7/12/2018	< 50	< 0.050	NA	149,000	28,800	NA
	10/17/2018	< 50	< 0.050	NA	177,000	25,200	NA
	9/13/2019	26 J B	0.017 J B	NA	190,000	10,300	20,800
	12/5/2019	37 JB	0.018 J	NA	130,000	3,500	22,300
	2/11/2020	99 J H	0.018 J H	NA	130,000	8,800	7,500
	6/10/2020	NA	NA	<1,000	213,000	39.0 J	18,200
	8/19/2020	NA	NA	<2,000	111,000	<0.05	21,600
	11/5/2020	NA	NA	405	121,000	<50	20,200
	3/19/2021	NA	NA	275	234,000	414 J6	15,200
	6/2/2021	NA	NA	<100	179,000	27.0 J	15,000
	8/12/2021	NA	NA	<100	179,000	27.0 J	15,000
	11/16/2021	NA	NA	<100	179,000	27.0 J	15,000
	2/2/2022	NA	NA	<1,000	118,000	62.7 J J4	15,200
	5/5/2022	NA	NA	<1,000	118,000	62.7 J J4	15,200
	8/25/2022	NA	NA	<1,000	183,000	<50.0 Q	16,100
	11/29/2022	NA	NA	1,970	23,600	<50.0	4,960 B
	3/9/2023	NA	NA	<1,000	213,000	204	7,150
	6/1/2023	NA	NA	58.2 J	154,000	27.0 J	15,700
MW-23-D2R	1/12/2016	NA	NA	NA	NA	NA	NA
	6/20/2016	NA	NA	NA	317,000	700	NA
	7/5/2017	< 50	< 0.050	NA	861,000	29,600	5,200 B
	8/27/2017	37 J H	< 0.050	NA	665,000	36,200	6,100 B
	10/12/2017	< 50	< 0.050	NA	4,78,000 B	20,000	9,700 B
	7/12/2018	38 J	0.0045 J	NA	290,000	10,900	20,700 B
	5/9/2019	38 J	0.0045 J	NA	290,000	10,900	20,700 B
	9/13/2019	17 J B	0.025 J B	NA	160,000	34,100	17,100
	12/5/2019	69 JB	0.051 J	NA	160,000	3,800	18,900
	8/19/2020	NA	NA	<500	229,000	0.092	12,700
	11/5/2020	NA	NA	<100	202,000	<50	11,700
	3/18/2021	NA	NA	<2,000	336,000	86	11,600
	6/2/2021	NA	NA	<2,000	318,000	<50	9,780
	8/12/2021	NA	NA	<2,000	318,000	<50	9,780
	11/16/2021	NA	NA	<2,000	318,000	<50	9,780

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Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	General Chemistry					
		Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		10,000	1	10,000	NE	NE	NE
Units		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	2/2/2022	NA	NA	<1,000	232,000	19,000 J4	8,750
	5/5/2022	NA	NA	<1,000	232,000	19,000 J4	8,750
	8/25/2022	NA	NA	<100	151,000	<50.0 Q	7,050
	11/29/2022	NA	NA	<500	206,000	NA	8,510
	3/9/2023	NA	NA	NA	NA	NA	8,220
	6/1/2023	NA	NA	81.5 J	75,600	<50.0	7,490
MW-24-D1R	1/13/2016	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	NA	189,000	79,300	NA
	10/26/2016	NA	NA	NA	217,000	64,000 F1	NA
	10/26/2016	NA	NA	NA	248,000	60,000	NA
	10/26/2016	NA	NA	NA	219,000	56,000	NA
	7/12/2018	< 50	< 0.050	NA	200,000	66,400	NA
	10/16/2018	< 50	< 0.050	NA	75,300	56,400	NA
	5/9/2019	63 J	0.014 J	NA	250,000	41,400	15,400 B
	9/13/2019	<100 [<100]	0.015 J [<0.10]	NA	3,20,000 [2,00,000]	29,200 [75,900]	36,100 [34,900]
	12/5/2019	150 B [< 100]	[< 0.10]	NA	3,50,000 [1,30,000]	22,400 [92,800]	50,900 [25,900]
	2/11/2020	16 J H [< 50]	< 0.1 [< 0.5]	NA	3,80,000 [3,40,000]	43,300 [66,900]	35,500 [29,600]
	6/9/2020	NA	NA	<1,000 [<1,000]	2,16,000 [2,73,000]	129 [<50.0]	31,100 [21,600]
	8/19/2020	NA	NA	<10,000 [<2,000]	2,04,000 [1,61,000]	0.58 [1.53]	36,000 [29,600]
	11/5/2020	NA	NA	<100 [<100]	189,000 [248,000]	160 [<50]	36,700 [35,000]
	3/19/2021	NA	NA	<2,000 [<2,000]	191,000 [165,000]	77.0 [193]	36,300 [37,800]
	6/1/2021	NA	NA	<2,000 [<100]	372,000 [310,000]	784 Q [230 Q]	35,600 [24,100]
	11/16/2021	NA	NA	<2,000 [<100]	372,000 [310,000]	784 Q [230 Q]	35,600 [24,100]
	2/2/2022	NA [NA]	NA [NA]	<1,000 [<1,000]	337,000 [252,000]	33.3 J J4 [80.6 J4]	38,000 [32,100]
	5/4/2022	NA [NA]	NA [NA]	<1,000 [<1,000]	337,000 [252,000]	33.3 J J4 [80.6 J4]	38,000 [32,100]
	8/24/2022	NA	NA	<1,000 [<1,000]	267,000 [160,000]	<50.0 Q [<50.0 Q]	29,600 B [<1,000]
	11/29/2022	NA	NA	<5,000 [<5,000]	290,000 [357,000]	56.0 [<50.0]	26,200 [32,100]
	3/10/2023	NA	NA	<1,000 [<1,000]	154,000 [166,000]	6,210 [5,440]	6,530 [30,200]
	5/31/2023	NA [NA]	NA [NA]	<100 [<100]	185,000 [151,000]	<50.0 [7,970]	31,400 [32,000]
MW-24-D2	1/13/2016	NA	NA	NA	NA	NA	NA
	1/13/2016	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	NA	270,000	92,200	NA
	10/25/2016	NA	NA	NA	374,000	48,000	NA
	10/25/2016	NA	NA	NA	270,000	64,000	NA
	7/5/2017	< 50	< 0.050	NA	541,000	84,000	12,500 B
	8/27/2017	< 50	< 0.050	NA	346,000	61,800	11,600 B
	10/11/2017	< 50	< 0.050	NA	2,98,000 B	56,400	10,800 B
	7/12/2018	51 H	0.020 J H	NA	28,000	800 J	NA
	10/17/2018	< 50	< 0.050	NA	29,900	800 J	NA
	5/9/2019	18 J	0.038 J	NA	9,100	< 1,000	6,300 B
	9/13/2019	1,200	0.013 J	NA	9,900	< 1,000	6,000
	12/5/2019	< 100	< 0.1	NA	55,000	12,100	59,700
	2/11/2020	30 J H	0.016 J	NA	48,000	< 1.0	23,200

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Location ID	Date Sampled	General Chemistry					
		Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		10,000	1	10,000	NE	NE	NE
Units		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-24-D2 (cont.)	6/9/2020	NA	NA	63.3 J	89,200	<50.0	13,700
	8/18/2020	NA	NA	<500	98,300	<0.05	15,800
	11/5/2020	NA	NA	<100	85,500	<50	19,200
	3/19/2021	NA	NA	<2,000	174,000	27 J	36,600
	6/1/2021	NA	NA	<100	235,000	134 Q	38,100 B
	11/16/2021	NA	NA	<100	235,000	134 Q	38,100 B
	2/2/2022	NA	NA	<500	235,000	<64 J4	36,000
	5/4/2022	NA	NA	<500	235,000	<64 J4	36,000
	8/24/2022	NA	NA	<500	369,000	<50.0 Q	15,200 B
	11/29/2022	NA	NA	<5,000	319,000	16,200	14,500 B
3/10/2023	NA	NA	<500	257,000	74.0	18,300 B	
5/31/2023	NA	NA	<100	246,000	175	8,930 B	
MW-24-VDR	7/12/2018	< 50	< 0.050	NA	1,640,000	< 1,000	NA
	10/17/2018	< 50	< 0.050	NA	1,300,000	< 1,000	NA
	5/9/2019	10 J	0.063 J	NA	1,700,000	<1,000	7,700 B
	9/13/2019	<100	0.010 J	NA	720,000	1,200	7,700
	12/5/2019	< 100	< 0.10	NA	3,100,000	< 1,000	4,800
	2/11/2020	36 J H	0.013 J	NA	2,000,000	< 1,000	8,200
	6/9/2020	NA	NA	<100	1,580,000	<50.0	7,030
	8/18/2020	NA	NA	<100	1,510,000	<0.05	8,400
	11/5/2020	NA	NA	<100	1,770,000	<50	6,760 B
	3/19/2021	NA	NA	<100	2,020,000	<50	11,300
	6/1/2021	NA	NA	<100	1,810,000	<50 Q	9,370 B
	11/16/2021	NA	NA	<100	1,810,000	<50 Q	9,370 B
	11/29/2022	NA	NA	<100	32,900	<50.0 J6	1,620 B
	3/10/2023	NA	NA	371	407,000	<50.0	2,800 B
	5/31/2023	NA	NA	<100	994,000	<50.0	2,580
MW-26-D1	1/12/2016	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	139,000	70,600 F1	NA
	10/25/2016	NA	NA	NA	252,000	48,000	NA
	10/25/2016	NA	NA	NA	131,000	56,000	NA
	7/5/2017	< 50	< 0.050	NA	313,000	44,000	9,100 B
	8/27/2017	< 50	< 0.050	NA	203,000	43,200	10,800 B
	10/11/2017	600	5.1	NA	69,200	< 1,000	22,900 B
	7/13/2018	< 50	< 0.050	NA	237,000	44,800	NA
	10/17/2018	< 50	< 0.050	NA	2,64,000 B	28,400	NA
	9/13/2019	12 J B	0.012 J B	NA	98,000	23,600	33,000
	12/6/2019	30 JB	0.010 J	NA	230,000	21,000	31,600
	2/11/2020	NA	NA	NA	290,000	NA	32,800
	6/10/2020	NA	NA	<1,000	343,000	123	28,100
	8/19/2020	NA	NA	<500	185,000	125	31,500
	11/6/2020	NA	NA	<100	203,000	<50	31,100
6/2/2021	NA	NA	<100	342,000	72	29,400	

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Location ID	Date Sampled	General Chemistry					
		Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		10,000	1	10,000	NE	NE	NE
Units		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-26-D1 (cont.)	8/12/2021	NA	NA	<100	342,000	72	29,400
	11/16/2021	NA	NA	<100	342,000	72	29,400
	2/2/2022	NA	NA	<500	297,000	<50	31,800
	5/5/2022	NA	NA	<500	297,000	<50	31,800
	8/25/2022	NA	NA	<1000	178,000	<50.0 Q	28,800
	11/29/2022	NA	NA	<1,000	52,700	787	37,400
	3/10/2023	NA	NA	<100	200,000	<50.0	34,000
6/1/2023	NA	NA	<200	178,000	157	29,900	
MW-26-D2	1/12/2016	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	1,200,000	1,700	NA
	10/25/2016	NA	NA	NA	NA	40,000	NA
	10/25/2016	NA	NA	NA	382,000	36,000	NA
	7/5/2017	< 50	< 0.050	NA	1,580,000	24,400	4,300 B
	8/27/2017	< 50	< 0.050	NA	1,100,000	16,000	4,800 B
	10/11/2017	28 J	< 0.050	NA	1,100,000	26,800	8,800 B
	10/17/2018	< 50	< 0.050	NA	3,61,000 B	25,600	NA
	5/9/2019	21 J	< 0.10	NA	350,000	54,600	14,600 B
	9/13/2019	<100	0.0071 J B	NA	280,000	57,000	14,900
	12/6/2019	<100	< 0.10	NA	280,000	45,600	13,700
	2/11/2020	18 J H	< 0.1	NA	420,000	28,200	15,400
	6/10/2020	NA	NA	<1,000	368,000	282	13,200 B
	8/19/2020	NA	NA	<500	288,000	6.6	17,800
	11/16/2021	NA	NA	<500	288,000	6.6	17,800
MW-26-VD	1/13/2016	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	497,000	6,000	NA
MW-27-D1R	1/13/2016	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	NA	290,000	97,300	NA
	7/5/2017	< 50	< 0.050	NA	308,000	14,400	13,700 B
	8/27/2017	< 50	< 0.050	NA	699,000	1,400	14,400 B
	7/13/2018	< 50	< 0.050	NA	157,000	63,200	NA
	10/18/2018	< 50	< 0.050	NA	183,000	63,200	NA
	5/10/2019	19 J	0.010 J	NA	260,000	37,600	17,600
	9/14/2019	<100	0.0084 J B	NA	160,000	53,200	17,600
	12/5/2019	45 JB	< 0.10	NA	200,000	45,600	16,600
	8/19/2020	NA	NA	<2,000	310,000	93.7	18,700
	11/6/2020	NA	NA	<100	170,000	<50	14,400 B
	3/20/2021	NA	NA	<2,000	171,000	79.0	18,800 B
	6/2/2021	NA	NA	<2,000	314,000	3,640 Q	15,300 B
	8/12/2021	NA	NA	<2,000	314,000	3,640 Q	15,300 B
	11/17/2021	NA	NA	<2,000	314,000	3,640 Q	15,300 B
	2/2/2022	NA	NA	<2,000	177,000	4,520	14,400
	5/5/2022	NA	NA	<2,000	177,000	4,520	14,400

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Location ID	Date Sampled	General Chemistry					
		Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		10,000	1	10,000	NE	NE	NE
Units		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-27-D1R (cont.)	11/29/2022	NA	NA	<100	525,000	<50.0	6,990 B
	3/9/2023	NA	NA	22,600	174,000	17,200	2,970 B
	5/31/2023	NA	NA	<100	177,000	9,030	13,600
MW-27-D2	1/13/2016	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	NA	49,200	160	NA
	7/5/2017	< 50	< 0.050	NA	808,000	12,800	6,300 B
	8/27/2017	< 50	< 0.050	NA	1,300,000	16,600	4,800 B
	10/12/2017	40 J	< 0.050	NA	11,20,000 B	8,800	4,700 B
	7/13/2018	< 50	< 0.050	NA	844,000	10,800	NA
	10/18/2018	< 50	< 0.050	NA	1,250,000	7,200	NA
	5/10/2019	29 J	< 0.10	NA	250,000	24,400	15,200
	9/14/2019	26 J B	0.013 J B	NA	250,000	32,200	12,700
	12/5/2019	< 100	0.011 J	NA	280,000	22,000	12,000
	2/12/2020	31 J B	0.02 J B	NA	400,000	14,100	10,100
	6/10/2020	NA	NA	<1,000	485,000	<50.0	9,620
	8/19/2020	NA	NA	<100 J6	367,000	0.047 J	8,900
	11/6/2020	NA	NA	461	1,100,000	<50	6,090
	3/20/2021	NA	NA	53.7 J J6	1,120,000	<50	6,900
	6/2/2021	NA	NA	<100	1,100,000	<50	4,240 B
	8/12/2021	NA	NA	<100	1,100,000	<50	4,240 B
	11/17/2021	NA	NA	<100	1,100,000	<50	4,240 B
	2/2/2022	NA	NA	<100	1,020,000	<50	5,720
	5/5/2022	NA	NA	<100	1,020,000	<50	5,720
	8/25/2022	NA	NA	<100	5,95,000	<50.0 Q	10,500
	11/29/2022	NA	NA	<1,000	200,000	17,000	13,200
	3/9/2023	NA	NA	<100	1,030,000	<50.0	8,140
	5/31/2023	NA	NA	<100	813,000	<50.0	5,580
MW-28-D1	6/24/2016	NA	NA	NA	155,000	54,400	NA
	7/28/2016	NA	NA	NA	NA	NA	NA
	7/5/2017	< 50	< 0.050	NA	340,000	4,000	13,000 B
	8/27/2017	< 50	< 0.050	NA	349,000	18,200	14,400 B
	10/11/2017	< 50	< 0.050	NA	196,000	32,800	23,900 B
	10/17/2018	76	0.044 J	NA	231,000	7,200	NA
	5/9/2019	< 100	0.016 J	NA	170,000	45,200	12,900 B
	9/13/2019	<100	0.014 J B	NA	81,000	51,400	14,800
	12/5/2019	21 JB	0.017 J	NA	280,000	1,600	17,300
	2/11/2020	22 J H	0.018 J	NA	290,000	50,900	17,700
	6/9/2020	NA	NA	<100	343,000	<50.0	15,300 B
	8/19/2020	NA	NA	<100	304,000	<0.05	31,300
	11/6/2020	NA	NA	<100	178,000	190	16,500
	6/2/2021	NA	NA	<100	272,000	29.0 J	9,410
	8/12/2021	NA	NA	<100	272,000	29.0 J	9,410
	11/16/2021	NA	NA	<100	272,000	29.0 J	9,410

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	General Chemistry						
		Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)	
NYSDEC TOGS 1.1.1		10,000	1	10,000	NE	NE	NE	
Units		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	
MW-28-D1 (cont.)	2/2/2022	NA	NA	1,010	228,000	<50	24,200	
	5/5/2022	NA	NA	1,010	228,000	<50	24,200	
	8/25/2022	NA	NA	116	207,000	<50.0 Q	18,500	
	11/29/2022	NA	NA	123	211,000	102	31,900	
	3/9/2023	NA	NA	<500	242,000	14,000	11,700	
	6/1/2023	NA	NA	<200	177,000	9,370	12,700	
MW-28-D2R	6/24/2016	NA	NA	NA	1,080,000	< 100	NA	
	7/28/2016	NA	NA	NA	NA	NA	NA	
	7/5/2017	< 50	< 0.050	NA	1,620,000	2,400	4,000 B	
	8/27/2017	< 50	< 0.050	NA	1,370,000	4,000	4,800 B	
	10/11/2017	< 50	< 0.050	NA	938,000	3,600	4,500 B	
	7/13/2018	< 50	< 0.050	NA	432,000	11,200	NA	
	10/17/2018	260	< 0.050	NA	1,330,000	3,200	NA	
	5/9/2019	< 100	0.036 J	NA	870,000	10,900	9,400 B	
	9/13/2019	23 J B	0.020 J B	NA	530,000	6,100	8,800	
	12/6/2019	25 JB	0.015 J	NA	850,000	5,000	6,600	
	2/11/2020	140 H	0.014 J	NA	440,000	11,500	8,300	
	6/9/2020	NA	NA	55.8 J	2,220,000	<50.0	5,920	
	8/19/2020	NA	NA	<100	1,140,000	<0.05	6,560	
	11/6/2020	NA	NA	138	618,000	<50	6,560	
	3/20/2021	NA	NA	217	1,270,000	<50	6,950	
	6/2/2021	NA	NA	<100	1,280,000	<50	5,730 B	
	8/12/2021	NA	NA	<100	1,280,000	<50	5,730 B	
	11/16/2021	NA	NA	<100	1,280,000	<50	5,730 B	
	2/2/2022	NA	NA	91.6 J	1,310,000	<50	5,570	
	5/5/2022	NA	NA	91.6 J	1,310,000	<50	5,570	
	8/25/2022	NA	NA	<500	449,000	<50.0 Q	7,250	
	11/29/2022	NA	NA	<100	389,000	<50.0	5,730 B	
	3/9/2023	NA	NA	<500	484,000	<50.0	8,580	
	6/1/2023	NA	NA	<100	221,000	<50.0	6,790	
	MW-29-D1	1/14/2016	NA	NA	NA	NA	NA	NA
		6/21/2016	NA	NA	NA	< 5000	230	NA
		10/26/2016	NA	NA	NA	< 5000	1,200	NA
10/26/2016		NA	NA	NA	1,800 J	< 2,000	NA	
7/5/2017		< 50	< 0.050	NA	< 1,00,000	800 J	13,500 B	
8/27/2017		< 50	< 0.050	NA	< 1,00,000	101,000	12,900 B	
10/12/2017		< 50	< 0.050	NA	< 40,000	1,200	11,300 B	
7/13/2018		< 50	< 0.050	NA	< 40,000	1,200	NA	
10/18/2018		< 50	< 0.050	NA	13,600 J	800 J	NA	
5/10/2019		< 100	0.026 J	NA	13,000	1,100	14,200	
9/14/2019		<100	0.016 J B	NA	6,900	830 J	10,000	
12/6/2019		53 J B	0.036 J	NA	16,000	< 1,000	29,500	
2/12/2020	`	0.018 J B	NA	17,000	910 J	3,400		

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	General Chemistry					
		Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		10,000	1	10,000	NE	NE	NE
Units		ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-29-D1 (cont.)	6/10/2020	NA	NA	<100	72,600	<50.0	16,400
	8/19/2020	NA	NA	107	60,500	0.031 J	18,700
	11/6/2020	NA	NA	<100	43,800	<50	17,200
	3/20/2021	NA	NA	<2,000	44,500	<50	17,700 B
	6/2/2021	NA	NA	<100	39,200	29.0 J	11,000 B
	8/12/2021	NA	NA	<100	39,200	29.0 J	11,000 B
	5/5/2022	NA	NA	<100	39,200	29.0 J	11,000 B
	11/29/2022	NA	NA	65.9 J	6,840	25.0 J	5,660 B
	3/10/2023	NA	NA	<100	93,700	<50.0	2,040 B
	6/1/2023	NA	NA	<100	21,300 J	<50.0	2,900
MW-29-D2	1/14/2016	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	NA	939,000	17,000	NA
MW-29-VD	1/14/2016	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	NA	1,890,000	< 100	NA
MW-30-D1	1/14/2016	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	NA	92,700	NA
MW-30-D2	1/14/2016	NA	NA	NA	NA	NA	NA
	1/14/2016	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	NA	64,100 F1	NA
MW-30-VD	1/14/2016	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	NA	< 100	NA
MW-31-D1R	1/14/2016	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	NA	600	NA
MW-31-D2R	1/14/2016	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	NA	2,800	NA

See Notes on Page 85.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through May and June 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Notes:

ID = Identification

NYSDEC = New York State Department of Environmental Conservation

TOGS = NYSDEC Technical and Operational Guidance Series ambient water quality standards and guidance values of June 1998

ug/L = micrograms per liter

Bolded values = compound was detected

Shaded cells = concentration was above the TOGS

< = Less than indicated reporting limit

NE = Not established

CaCO₃ = calcium carbonate

J = Analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.

J0 = The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration method criteria.

J4 = The associated batch QC was outside the established quality control range for accuracy.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low

T8 = Sample(s) received past/too close to holding time expiration.

HF = Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

H = Sample was prepped or analyzed beyond the specified holding time.

B = Compound was found in the blank and sample.

F1 = Matrix spike and/or matrix spike duplicate recovery was outside acceptance limits.

E = Result exceeded calibration range

C3 = The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

C5 = The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.

[] = Duplicate analysis results

D = Sample was diluted due to high concentration of target analytes.

O1 = The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

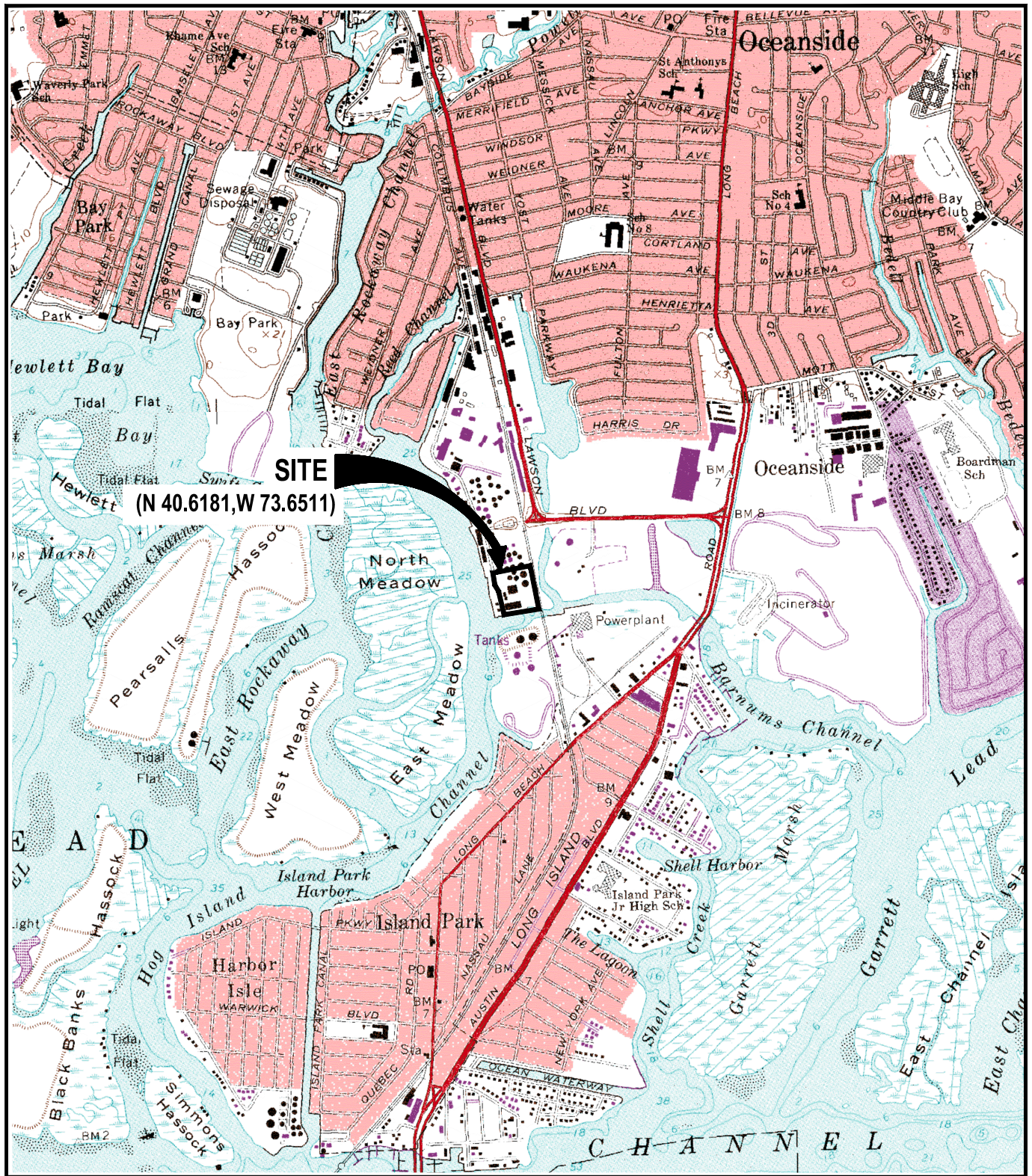
* = LCS or LCSD was above the control limits.

^ = Instrument related QC was outside acceptance limits.

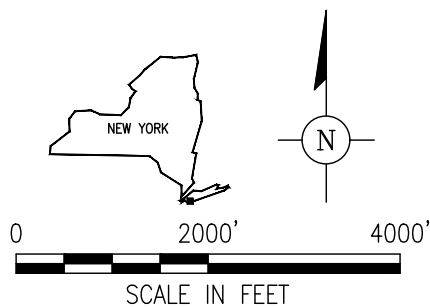
-- = Not available

Figures

IMAGES:
 NY_Lawrence.TIF
 NY_Lynbrook.TIF



MAP SOURCE: USGS 7.5 MINUTE QUADRANGLE 1979 LYNBROOK AND LAWRENCE, NEW YORK



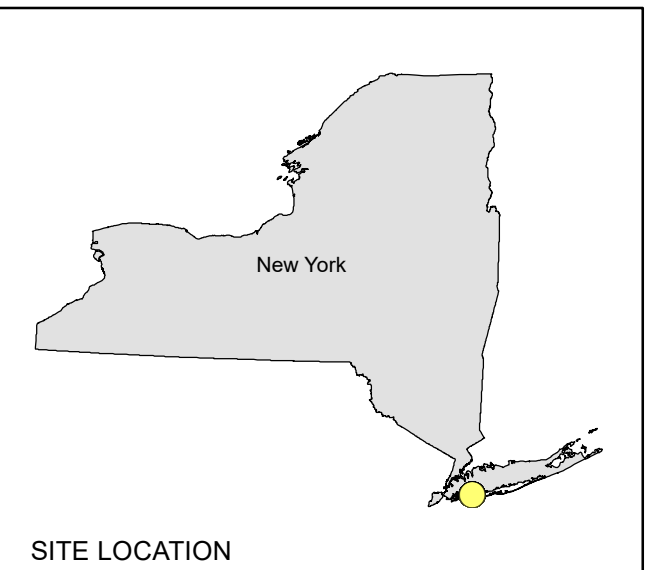
CHEVRON FACILITY 6518040
 3705 HAMPTON RD
 OCEANSIDE, NY

SITE LOCATION MAP

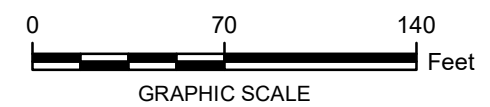


FIGURE
1

City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: ski01076
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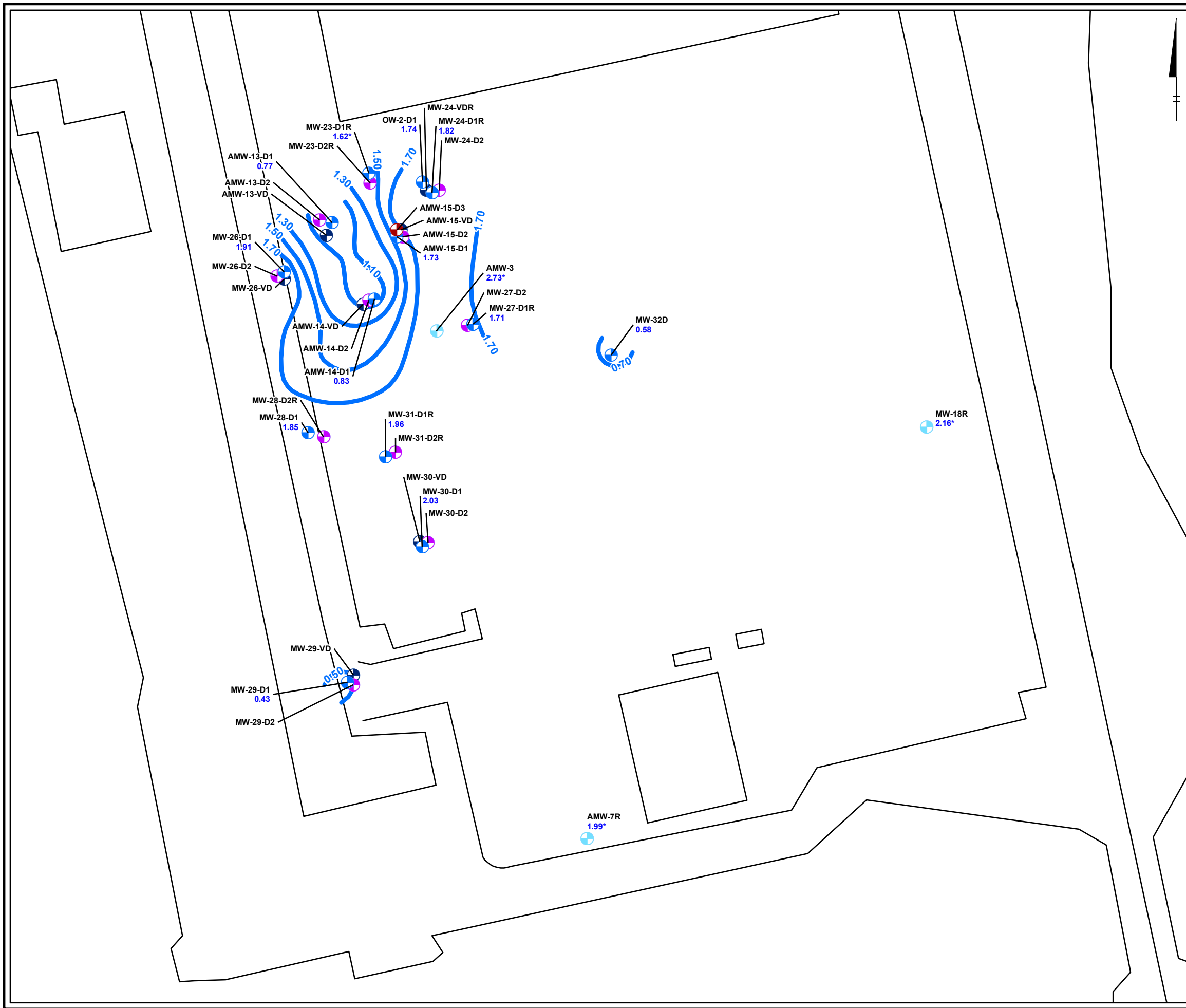


- LEGEND:
- SHALLOW FILL UNIT MONITORING WELLS
 - D1 HORIZON MONITORING WELLS
 - D2 HORIZON MONITORING WELLS
 - D3 HORIZON MONITORING WELLS
 - VD HORIZON MONITORING WELLS



NOTE:
1. 2017 IMAGERY OBTAINED FROM GOOGLE EARTH.

CHEVRON FACILITY 6518040 3705 HAMPTON RD OCEANSIDE, NY	
SITE PLAN	
ARCADIS	FIGURE 2



Site Location

LEGEND:

- SHALLOW FILL UNIT MONITORING WELLS
- D1 HORIZON MONITORING WELLS
- D2 HORIZON MONITORING WELLS
- D3 HORIZON MONITORING WELLS
- VD HORIZON MONITORING WELLS
- GROUNDWATER ELEVATION CONTOUR (NAVD 88)
- GROUNDWATER ELEVATION IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
- NOT USED TO GENERATE CONTOURS

0 70 140 Feet
GRAPHIC SCALE

NOTE:

- THE WELLS WERE GAUGED DURING HIGH TIDE.

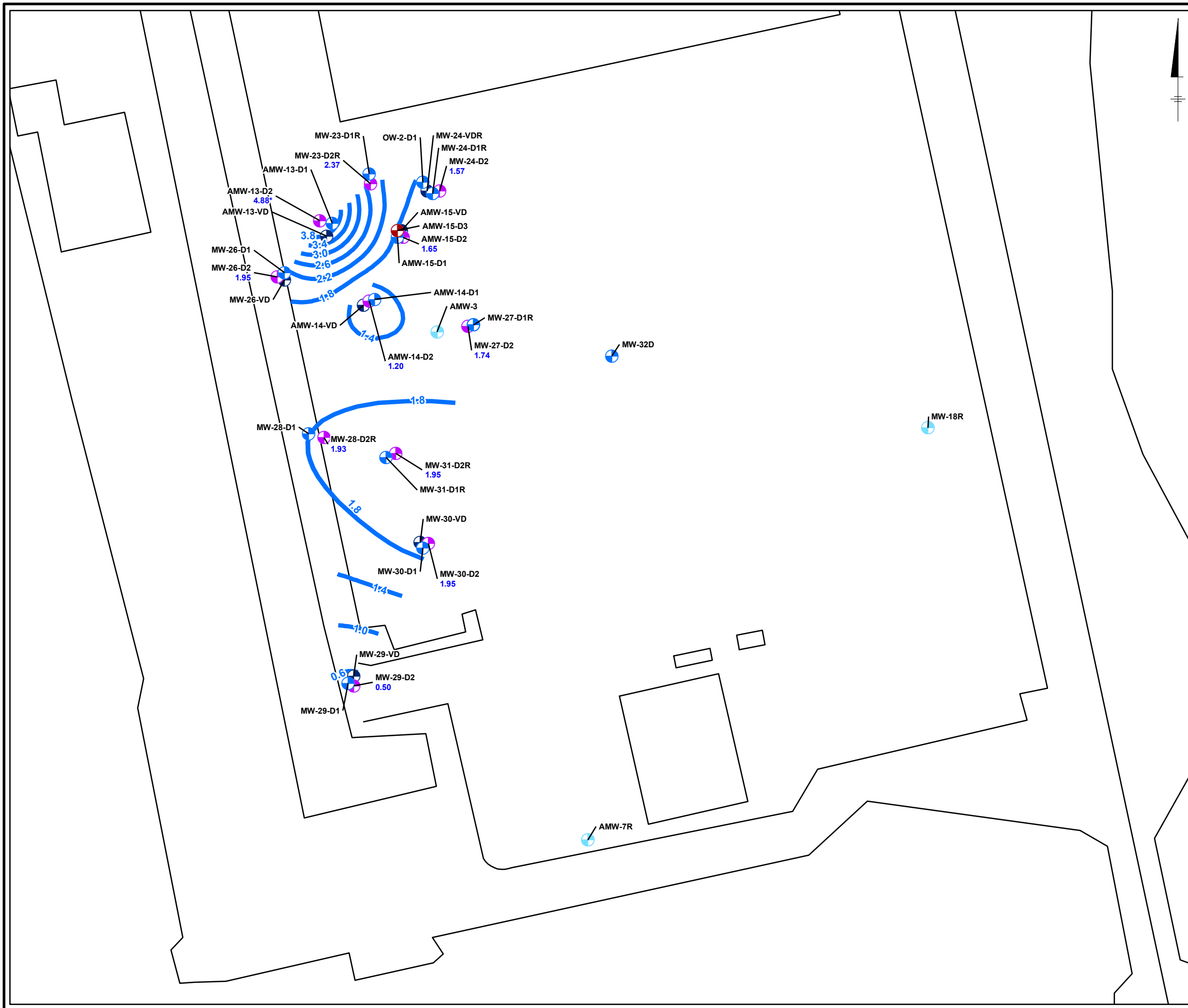
CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

**D1 HORIZON GROUNDWATER
CONTOUR MAP
MAY 31, 2023**

ARCADIS

FIGURE
3

City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: vmr1306
T:_ENV\Chevron_Oceanside_NY\2023\Report\MXD\GW_d2Horizon_ContourMap_May2023.mxd 8/17/2023 4:38:31 PM



NEW YORK

SITE LOCATION

LEGEND:

- SHALLOW FILL UNIT MONITORING WELLS
- D1 HORIZON MONITORING WELLS
- D2 HORIZON MONITORING WELLS
- D3 HORIZON MONITORING WELLS
- VD HORIZON MONITORING WELLS
- GROUNDWATER ELEVATION CONTOUR (NAVD 88)
- GROUNDWATER ELEVATION IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
- NOT USED TO GENERATE CONTOURS

0 70 140 Feet

GRAPHIC SCALE

NOTE:

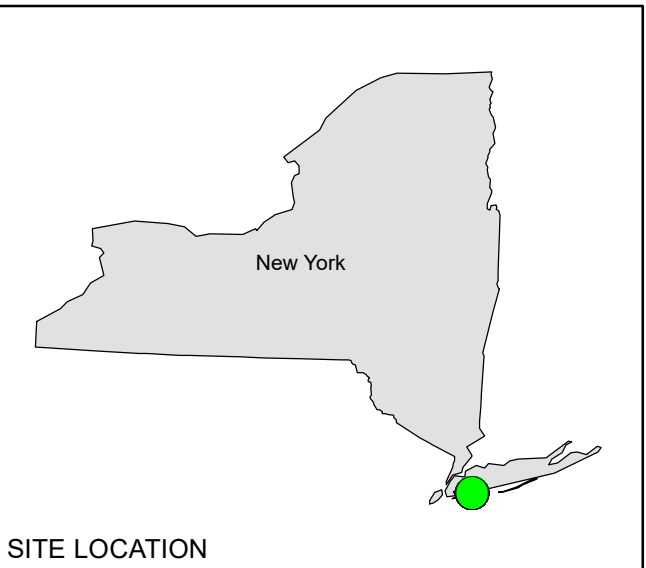
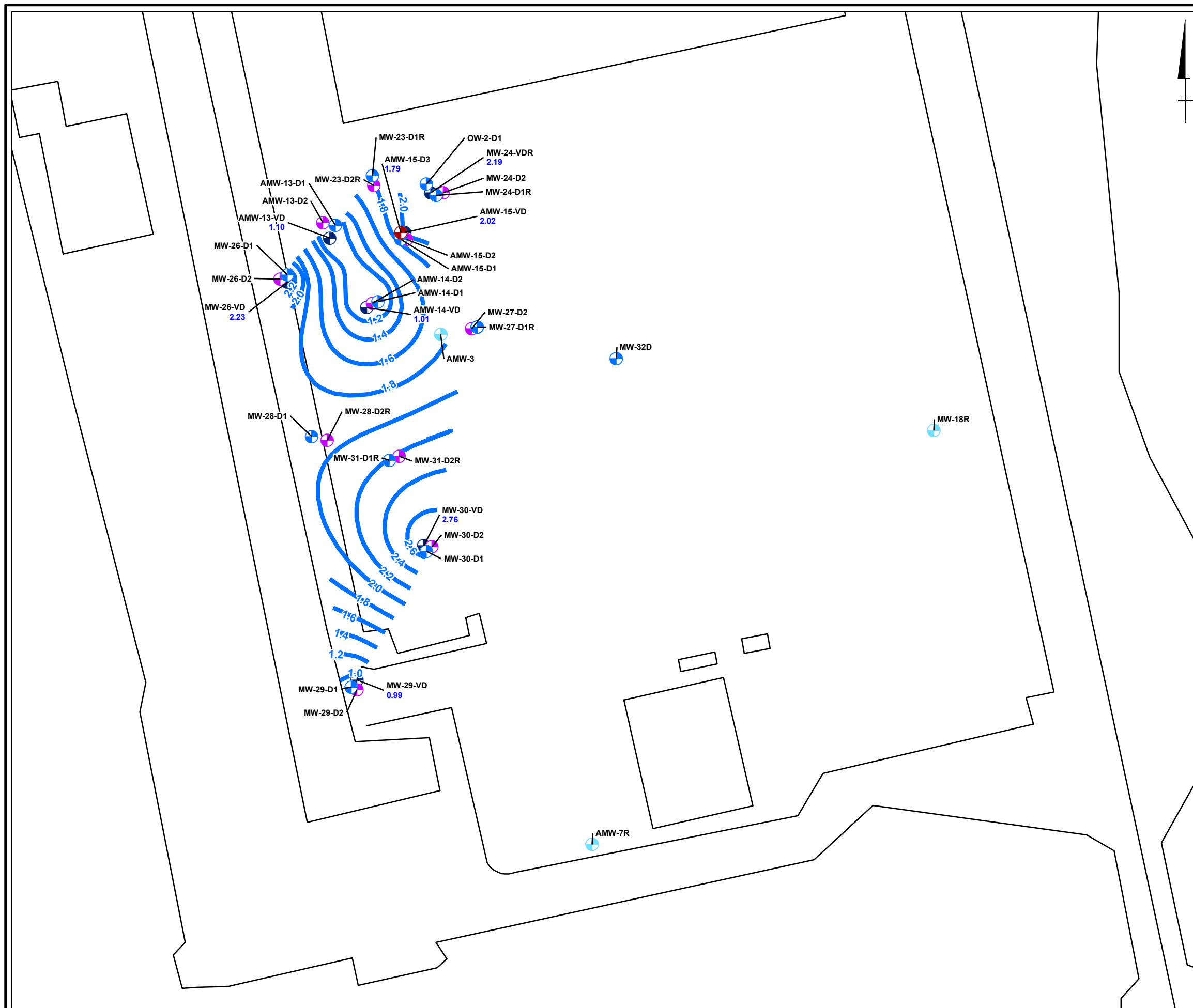
1. THE WELLS WERE GAUGED DURING HIGH TIDE.

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

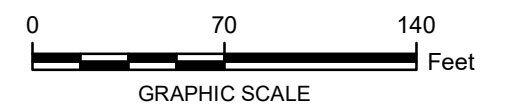
D2 HORIZON GROUNDWATER
CONTOUR MAP
MAY 31, 2023

ARCADIS

FIGURE
4



- ## LEGEND:
-  SHALLOW FILL UNIT MONITORING WELLS
 -  D1 HORIZON MONITORING WELLS
 -  D2 HORIZON MONITORING WELLS
 -  D3 HORIZON MONITORING WELLS
 -  VD HORIZON MONITORING WELLS
 -  GROUNDWATER ELEVATION CONTOUR (NAVD 88)
 -  2.76 GROUNDWATER ELEVATION CONTOUR (NAVD 88)
 -  * NOT USED TO GENERATE CONTOURS



NOTE:
1. THE WELLS WERE GAUGED DURING HIGH TIDE.

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

**VD HORIZON GROUNDWATER
CONTOUR MAP
MAY 31, 2023**



Attachment 1

Groundwater Gauging and Sampling Logs



Groundwater Gauging Log

Project Number		30062947						
Client:		Chevron						
Site ID:		6518040						
Site Location:		Oceanside, New York						
Measuring Point:		Top of Casing						
Date(s):		05/31/2023						
Sampler(s):		Shekhar Gahlod						
Gauging Equipment:		Interface Probe						
Well ID	Date	Gauging Time	Static Water Level (ft bmp)	Depth to Product (ft)	Total Depth (ft bmp)	PID Reading (ppm)	LNAPL Removed (gal)	Comments
OW-2-D1	05/31/2023	19:42	8.20	ND	33.65	--	--	--
AMW-3	05/31/2023	20:40	6.32	ND	12.37	--	--	--
AMW-7R	05/31/2023	19:09	7.96	ND	13.84	--	--	--
AMW-13-D1	05/31/2023	20:41	9.10	ND	32.86	--	--	--
AMW-13-D2	05/31/2023	20:47	9.10	ND	42.72	--	--	--
AMW-13-D2	05/31/2023	20:27	4.88	ND	38.00	--	--	--
AMW-13-VD	05/31/2023	20:45	8.67	ND	70.28	--	--	--
AMW-14-D1	05/31/2023	20:36	8.55	ND	32.62	--	--	--
AMW-14-D2	05/31/2023		8.17	ND	42.51	--	--	--
AMW-14-VD	05/31/2023		8.24	ND	74.34	--	--	--
AMW-15-D1	05/31/2023	19:50	8.01	ND	35.28	--	--	--
AMW-15-D2	05/31/2023	19:53	8.06	ND	40.97	--	--	--
AMW-15-D3	05/31/2023	19:48	8.02	ND	70.97	--	--	--
AMW-15-VD	05/31/2023	19:51	7.80	ND	71.21	--	--	--
MW-18R	05/31/2023	19:04	5.82	ND	9.92	--	--	--
MW-23-D1R	05/31/2023	19:46	8.22	ND	26.04	--	--	--
MW-23-D2R	05/31/2023	19:44	8.15	ND	44.20	--	--	--
MW-24-D1R	05/31/2023	19:40	8.00	ND	31.99	--	--	--
MW-24-D2	05/31/2023	19:39	8.43	ND	42.52	--	--	--
MW-24-VDR	05/31/2023	19:41	7.53	ND	68.80	--	--	--
MW-26-D1	05/31/2023	19:34	8.04	ND	20.18	--	--	--
MW-26-D2	05/31/2023	19:30	7.45	ND	8.40	--	--	--
MW-26-VD	05/31/2023	19:36	7.76	ND	64.78	--	--	--
MW-27-D1R	05/31/2023	19:56	7.30	ND	32.20	--	--	--
MW-27-D2	05/31/2023	19:58	7.35	ND	46.63	--	--	--
MW-28-D1	05/31/2023	19:23	6.40	ND	31.42	--	--	--
MW-28-D2R	05/31/2023	19:21	6.47	ND	46.45	--	--	--
MW-29-D1	05/31/2023	20:24	4.78	ND	21.78	--	--	--
MW-29-D2	05/31/2023		4.88	ND	38.00	--	--	--
MW-29-VD	05/31/2023	20:23	4.28	ND	60.78	--	--	--
MW-30-D1	05/31/2023	19:11	6.71	ND	29.83	--	--	--
MW-30-D2	05/31/2023	19:16	6.77	ND	40.30	--	--	--
MW-32D	05/31/2023	20:06	8.27	ND	36.27	--	--	--
MW-30-VD	05/31/2023	19:13	5.94	ND	83.89	--	--	--
MW-31-D1R	05/31/2023	19:18	6.43	ND	30.00	--	--	--
MW-31-D2R	05/31/2023	19:17	6.40	ND	46.01	--	--	--

ft-bmp = feet below measuring point
ppm = parts per million

ND = Not Detected
-- = Not Recorded

PID = Photoionization Detector Reading

ARCADIS

Project Name: Chevron Oceanside

Field Personnel: ST + SL

Date: 5/31/23 - 6/1/23

Weather:

Well ID	Time	pH	Temp (deg C)	Cond (Ms/cm3)	DO (mg/L)	ORP (mV)	Notes	DTB
MW-18R	0915	8.52	17.95	1.550	1.52	-162.9	5/31/2023 Not enough water, F&I/15, 0.92407	9.92
AMW-14VD	2120	7.65	15.91	104.1	1.91	-142.3	5/31/23	74.34
AMW-14D2	2125	7.37	15.36	10.22	2.27	-137.1	5/31/23	42.51
AMW-14D1	2145	7.45	15.36	12.42	0.24	-315.8	5/31/23	32.56
MW-27-D1R	2240	7.00	15.62	82.61	0.69	-300.8	5/31/23	32.70
MW-27-D2	2245	7.92	15.57	7.966	4.19	-104.6	5/31/23	46.63
MW-24VD2	2315	10.36	15.70	5.463	6.65	-268.8	5/31/23	68.80
MW-24D1R	2325	7.16	15.45	10.86	2.01	-346.0	5/31/23 (2345 sr) Blind Dup	31.44
AMW-24D2	2320	7.71	16.01	13.61	1.62	-380	5/31/23	42.52
AMW-7R	1925	8.32	15.39	8.82	6.17	-350	6/1/23	13.84
MW-28D1	1955	7.51	15.57	12.76	2.27	-342	6/1/23	31.42
MW-26D1	2030	8.80	15.32	11.41	4.21	-315	6/1/23	20.18
AMW-15VD	2055	6.48	15.58	18.40	1.56	-281	6/1/23	74.21
AMW-15D3	2100	7.17	16.08	54.1	1.30	-268	6/1/23	70.97
AMW-15D2	2125	7.72	16.11	15.4	2.25	-348	6/1/23	48.97
AMW-15D1	2140	7.80	15.89	11.51	2.38	-389	6/1/23	35.28
MW-23D1R	2150	7.43	15.48	4.89	1.93	-276	6/1/23	26.04
MW-23-D2R	2215	8.02	15.71	3.17	5.81	-311	6/1/23	44.20
MW-23D2R	2230	6.87	15.58	12.01	8.29	-306	6/1/23	46.45
MW-23-D1	2250	8.78	15.84	2.17	7.06	-290	6/1/23	21.78

WC - w - 230601 - 2330 6/1/23

Attachment 2

Laboratory Analytical Report

Arcadis - Chevron - NY

Sample Delivery Group: L1622177
Samples Received: 06/02/2023
Project Number: 30062947.19.45
Description: POD 4 - Oceanside 6518040
Site: 6518040
Report To: Max Mansilla

Entire Report Reviewed By:



Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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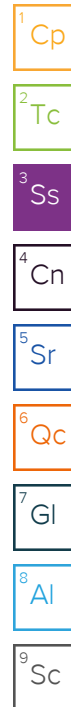
¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

MW-27-D2-W-230531 L1622177-01 GW

Collected by Shannon Torhan
Collected date/time 05/31/23 22:45
Received date/time 06/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2070776	1	06/09/23 00:56	06/09/23 00:56	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2072151	1	06/06/23 12:55	06/06/23 12:55	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2072151	1	06/06/23 12:55	06/06/23 12:55	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2070845	50	06/02/23 17:31	06/02/23 17:31	JAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071366	1	06/05/23 23:17	06/05/23 23:17	LDT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2070884	1	06/03/23 11:30	06/03/23 11:30	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	100	06/10/23 22:01	06/10/23 22:01	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076049	1	06/17/23 08:28	06/17/23 08:28	RCD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	1	06/05/23 10:26	06/09/23 00:56	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	5	06/05/23 10:26	06/09/23 18:32	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2071700	1	06/06/23 13:30	06/06/23 13:30	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2073900	1	06/08/23 12:05	06/08/23 12:05	JAH	Mt. Juliet, TN



MW-24-D2-W-230531 L1622177-02 GW

Collected by Shannon Torhan
Collected date/time 05/31/23 23:20
Received date/time 06/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2070776	1	06/09/23 00:59	06/09/23 00:59	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2072151	1	06/06/23 12:58	06/06/23 12:58	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2072151	1	06/06/23 12:58	06/06/23 12:58	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2070845	1	06/02/23 17:32	06/02/23 17:32	JAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071366	1	06/05/23 23:19	06/05/23 23:19	LDT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2070884	1	06/03/23 11:31	06/03/23 11:31	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	10	06/10/23 22:14	06/10/23 22:14	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	100	06/10/23 22:28	06/10/23 22:28	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076049	5	06/17/23 08:44	06/17/23 08:44	RCD	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	1	06/05/23 10:26	06/09/23 00:59	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	5	06/05/23 10:26	06/09/23 18:41	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2071700	1	06/06/23 13:33	06/06/23 13:33	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2073900	1	06/08/23 12:27	06/08/23 12:27	JAH	Mt. Juliet, TN

MW-24-VDR-W-230531 L1622177-03 GW

Collected by Shannon Torhan
Collected date/time 05/31/23 23:15
Received date/time 06/02/23 09:00

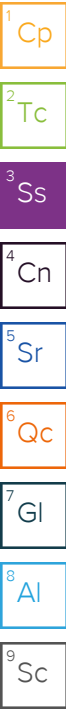
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2070776	1	06/09/23 01:02	06/09/23 01:02	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2072151	1	06/06/23 13:02	06/06/23 13:02	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2072151	1	06/06/23 13:02	06/06/23 13:02	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2070845	50	06/02/23 17:32	06/02/23 17:32	JAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071366	1	06/05/23 23:20	06/05/23 23:20	LDT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2070884	1	06/03/23 11:31	06/03/23 11:31	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	100	06/10/23 22:41	06/10/23 22:41	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076050	1	06/17/23 16:33	06/17/23 16:33	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	1	06/05/23 10:26	06/09/23 01:02	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	20	06/05/23 10:26	06/12/23 01:01	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2071700	1	06/06/23 13:36	06/06/23 13:36	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2073900	1	06/08/23 12:49	06/08/23 12:49	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

AMW-14-VD-W-230531 L1622177-04 GW

Collected by Shannon Torhan
Collected date/time 05/31/23 21:20
Received date/time 06/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2070776	1	06/09/23 01:19	06/09/23 01:19	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2072151	1	06/06/23 13:07	06/06/23 13:07	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2072151	1	06/06/23 13:07	06/06/23 13:07	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2070845	50	06/02/23 17:33	06/02/23 17:33	JAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071366	1	06/05/23 23:21	06/05/23 23:21	LDT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2070884	1	06/03/23 11:31	06/03/23 11:31	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	100	06/10/23 22:55	06/10/23 22:55	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076050	1	06/17/23 17:33	06/17/23 17:33	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	1	06/05/23 10:26	06/09/23 01:19	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	20	06/05/23 10:26	06/12/23 01:04	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2071700	1	06/06/23 13:39	06/06/23 13:39	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2073900	1	06/08/23 13:10	06/08/23 13:10	JAH	Mt. Juliet, TN



AMW-14-D2-W-230531 L1622177-05 GW

Collected by Shannon Torhan
Collected date/time 05/31/23 21:25
Received date/time 06/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2070776	1	06/09/23 01:22	06/09/23 01:22	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2072151	1	06/06/23 13:11	06/06/23 13:11	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2072151	1	06/06/23 13:11	06/06/23 13:11	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2070845	1	06/02/23 17:34	06/02/23 17:34	JAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071366	1	06/05/23 23:22	06/05/23 23:22	LDT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2070884	2	06/03/23 11:32	06/03/23 11:32	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	10	06/10/23 23:08	06/10/23 23:08	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	100	06/10/23 23:22	06/10/23 23:22	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076050	1	06/17/23 17:54	06/17/23 17:54	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	1	06/05/23 10:26	06/09/23 01:22	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	5	06/05/23 10:26	06/09/23 18:49	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2071700	1	06/06/23 13:46	06/06/23 13:46	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2073900	1	06/08/23 13:32	06/08/23 13:32	JAH	Mt. Juliet, TN

MW-27-D1R-W-230531 L1622177-06 GW

Collected by Shannon Torhan
Collected date/time 05/31/23 22:40
Received date/time 06/02/23 09:00

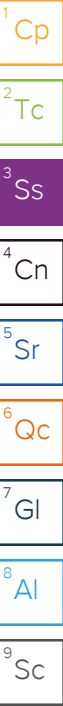
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2070776	1	06/09/23 01:25	06/09/23 01:25	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2073068	1	06/08/23 10:33	06/08/23 10:33	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2073068	1	06/08/23 10:33	06/08/23 10:33	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2070845	1	06/02/23 17:35	06/02/23 17:35	JAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071366	1	06/05/23 23:24	06/05/23 23:24	LDT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2070884	10	06/03/23 11:34	06/03/23 11:34	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	10	06/10/23 23:35	06/10/23 23:35	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	100	06/11/23 00:15	06/11/23 00:15	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076050	1	06/17/23 18:16	06/17/23 18:16	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	1	06/05/23 10:26	06/09/23 01:25	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	5	06/05/23 10:26	06/09/23 18:52	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2071700	1	06/06/23 13:52	06/06/23 13:52	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2073900	1	06/08/23 13:53	06/08/23 13:53	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

AMW-14-D1-W-230531 L1622177-07 GW

Collected by Shannon Torhan
Collected date/time 05/31/23 21:45
Received date/time 06/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2070776	1	06/09/23 01:27	06/09/23 01:27	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2073068	1	06/08/23 10:37	06/08/23 10:37	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2073068	1	06/08/23 10:37	06/08/23 10:37	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2070845	1	06/02/23 17:35	06/02/23 17:35	JAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071366	1	06/05/23 23:25	06/05/23 23:25	LDT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2070884	10	06/03/23 11:34	06/03/23 11:34	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	10	06/11/23 00:29	06/11/23 00:29	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076050	1	06/17/23 18:44	06/17/23 18:44	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	1	06/05/23 10:26	06/09/23 01:27	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2071700	1	06/06/23 13:55	06/06/23 13:55	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2073900	1	06/08/23 14:15	06/08/23 14:15	JAH	Mt. Juliet, TN



MW-24-D1R-W-230531 L1622177-08 GW

Collected by Shannon Torhan
Collected date/time 05/31/23 23:45
Received date/time 06/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2070776	1	06/09/23 01:30	06/09/23 01:30	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2073068	1	06/08/23 10:42	06/08/23 10:42	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2073068	1	06/08/23 10:42	06/08/23 10:42	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2070845	1	06/02/23 17:35	06/02/23 17:35	JAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071366	1	06/05/23 23:30	06/05/23 23:30	LDT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2070884	1	06/03/23 11:35	06/03/23 11:35	SDE	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2090914	5	07/07/23 16:01	07/07/23 16:01	JAS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	10	06/11/23 00:55	06/11/23 00:55	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	100	06/11/23 01:09	06/11/23 01:09	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076050	1	06/17/23 19:08	06/17/23 19:08	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	1	06/05/23 10:26	06/09/23 01:30	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	5	06/05/23 10:26	06/09/23 18:55	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2071700	1	06/06/23 13:58	06/06/23 13:58	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2073900	1	06/08/23 14:36	06/08/23 14:36	JAH	Mt. Juliet, TN

MW-18R-W-230531 L1622177-09 GW

Collected by Shannon Torhan
Collected date/time 05/31/23 21:15
Received date/time 06/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2070776	1	06/05/23 10:26	06/09/23 01:33	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2071700	1	06/06/23 14:01	06/06/23 14:01	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2073900	1	06/08/23 14:58	06/08/23 14:58	JAH	Mt. Juliet, TN

BD-W-230531 L1622177-10 GW

Collected by Shannon Torhan
Collected date/time 05/31/23 00:00
Received date/time 06/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2070776	1	06/09/23 01:36	06/09/23 01:36	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2073068	1	06/08/23 10:46	06/08/23 10:46	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2073068	1	06/08/23 10:46	06/08/23 10:46	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2070845	1	06/02/23 17:36	06/02/23 17:36	JAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071366	1	06/05/23 23:31	06/05/23 23:31	LDT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2070884	10	06/03/23 11:35	06/03/23 11:35	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	10	06/11/23 01:22	06/11/23 01:22	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	100	06/11/23 01:36	06/11/23 01:36	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076050	1	06/17/23 20:34	06/17/23 20:34	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	1	06/05/23 10:26	06/09/23 01:36	SPL	Mt. Juliet, TN

SAMPLE SUMMARY

BD-W-230531 L1622177-10 GW

Collected by Shannon Torhan
Collected date/time 05/31/23 00:00
Received date/time 06/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2070776	5	06/05/23 10:26	06/09/23 18:58	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2071700	1	06/06/23 14:04	06/06/23 14:04	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2073900	10	06/08/23 18:14	06/08/23 18:14	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2075575	10	06/11/23 23:06	06/11/23 23:06	DYW	Mt. Juliet, TN

FB-W-230531 L1622177-11 GW

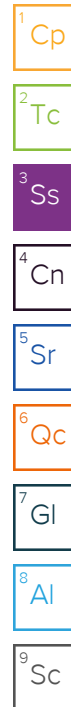
Collected by Shannon Torhan
Collected date/time 05/31/23 23:50
Received date/time 06/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2070776	1	06/20/23 16:55	06/20/23 16:55	JAS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2072906	1	06/07/23 10:24	06/07/23 10:24	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2072906	1	06/07/23 10:24	06/07/23 10:24	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2081117	1	06/20/23 16:55	06/20/23 16:55	JAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071366	1	06/05/23 23:33	06/05/23 23:33	LDT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2070884	10	06/03/23 11:38	06/03/23 11:38	SDE	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2090480	1	07/06/23 19:11	07/06/23 19:11	RTW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075099	1	06/11/23 01:49	06/11/23 01:49	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076050	1	06/17/23 20:50	06/17/23 20:50	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2070776	1	06/05/23 10:26	06/09/23 00:42	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2071698	1	06/06/23 13:04	06/06/23 13:04	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2073900	1	06/08/23 11:43	06/08/23 11:43	JAH	Mt. Juliet, TN

TB-W-230531 L1622177-12 GW

Collected by Shannon Torhan
Collected date/time 05/31/23 00:00
Received date/time 06/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2073900	1	06/08/23 11:22	06/08/23 11:22	JAH	Mt. Juliet, TN

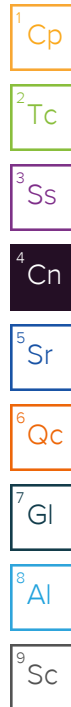


CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager



Project Comments

L1622177-08, -11: Sulfide is reporting twice on MW-24-D1R-W-230531 and FB-W-230531. After re-analysis and review, the samples appear to have been switched during the first analysis. The lab is not able to fully confirm this so both results are being reported.

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Batch	Method	Lab Sample ID
WG2073900	8260C	L1622177-02, 05, 07

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2070845	3500Fe B-2011	L1622177-01, 02, 03, 04, 05, 06, 07, 08, 10
WG2072151	4500CO2 D-2011	L1622177-01, 02, 03, 04, 05
WG2072906	4500CO2 D-2011	L1622177-11
WG2073068	4500CO2 D-2011	L1622177-06, 07, 08, 10
WG2081117	3500Fe B-2011	L1622177-11

Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2090480	4500S2 D-2011	L1622177-11
WG2090914	4500S2 D-2011	L1622177-08

Wet Chemistry by Method 4500S2 D-2011

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2090914	(MS) R3946043-3, (MSD) R3946043-4	Sulfide

Wet Chemistry by Method 9056A

The sample concentration is too high to evaluate accurate spike recoveries.

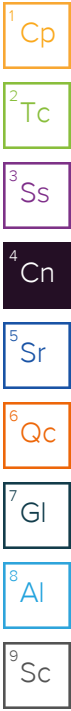
Batch	Lab Sample ID	Analytes
WG2075099	(MS) R3935504-7	Sulfate

CASE NARRATIVE

Wet Chemistry by Method 9060A

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2076049	TOC (Total Organic Carbon)	L1622177-02
WG2076050	TOC (Total Organic Carbon)	L1622177-11



Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		18.0	100	1	06/09/2023 00:56	WG2070776

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	336000		20000	1	06/06/2023 12:55	WG2072151	
Free Carbon Dioxide	149000	T8	20000	1	06/06/2023 12:55	WG2072151	

Sample Narrative:

L1622177-01 WG2072151: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	16600	T8	750	2500	50	06/02/2023 17:31	WG2070845

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/05/2023 23:17	WG2071366

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	06/03/2023 11:30	WG2070884

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	6600000		37900	100000	100	06/10/2023 22:01	WG2075099
Sulfate	813000		59400	500000	100	06/10/2023 22:01	WG2075099

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5580		102	1000	1	06/17/2023 08:28	WG2076049

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2020		18.0	100	1	06/09/2023 00:56	WG2070776
Manganese	1170		0.934	10.0	1	06/09/2023 00:56	WG2070776
Sodium	3430000		2520	15000	5	06/09/2023 18:32	WG2070776

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	240		2.91	10.0	1	06/06/2023 13:30	WG2071700
Ethane	U		4.07	13.0	1	06/06/2023 13:30	WG2071700
Ethene	U		4.26	13.0	1	06/06/2023 13:30	WG2071700

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/08/2023 12:05	WG2073900
Benzene	U		0.0941	1.00	1	06/08/2023 12:05	WG2073900
Bromochloromethane	U		0.128	1.00	1	06/08/2023 12:05	WG2073900
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 12:05	WG2073900
Bromoform	U		0.129	1.00	1	06/08/2023 12:05	WG2073900
Bromomethane	U		0.605	5.00	1	06/08/2023 12:05	WG2073900
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 12:05	WG2073900
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 12:05	WG2073900
Chlorobenzene	U		0.116	1.00	1	06/08/2023 12:05	WG2073900
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 12:05	WG2073900
Chloroethane	U		0.192	5.00	1	06/08/2023 12:05	WG2073900
Chloroform	U		0.111	5.00	1	06/08/2023 12:05	WG2073900
Chloromethane	U		0.960	2.50	1	06/08/2023 12:05	WG2073900
Cyclohexane	U		0.188	1.00	1	06/08/2023 12:05	WG2073900
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 12:05	WG2073900
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 12:05	WG2073900
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 12:05	WG2073900
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 12:05	WG2073900
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 12:05	WG2073900
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 12:05	WG2073900
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 12:05	WG2073900
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 12:05	WG2073900
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 12:05	WG2073900
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 12:05	WG2073900
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 12:05	WG2073900
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 12:05	WG2073900
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 12:05	WG2073900
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 12:05	WG2073900
Ethylbenzene	U		0.137	1.00	1	06/08/2023 12:05	WG2073900
2-Hexanone	U		0.787	10.0	1	06/08/2023 12:05	WG2073900
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 12:05	WG2073900
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 12:05	WG2073900
Methyl Acetate	U		1.29	20.0	1	06/08/2023 12:05	WG2073900
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 12:05	WG2073900
Methylene Chloride	U		0.430	5.00	1	06/08/2023 12:05	WG2073900
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 12:05	WG2073900
Methyl tert-butyl ether	U		0.101	1.00	1	06/08/2023 12:05	WG2073900
Styrene	U		0.118	1.00	1	06/08/2023 12:05	WG2073900
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 12:05	WG2073900
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 12:05	WG2073900
Toluene	U		0.278	1.00	1	06/08/2023 12:05	WG2073900
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 12:05	WG2073900
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 12:05	WG2073900
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 12:05	WG2073900
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 12:05	WG2073900
Trichloroethene	U		0.190	1.00	1	06/08/2023 12:05	WG2073900
Trichlorofluoromethane	U		0.160	5.00	1	06/08/2023 12:05	WG2073900
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 12:05	WG2073900
Vinyl chloride	U		0.234	1.00	1	06/08/2023 12:05	WG2073900
Xylenes, Total	U		0.174	3.00	1	06/08/2023 12:05	WG2073900
(S) Toluene-d8	101			80.0-120		06/08/2023 12:05	WG2073900
(S) 4-Bromofluorobenzene	93.1			77.0-126		06/08/2023 12:05	WG2073900
(S) 1,2-Dichloroethane-d4	86.1			70.0-130		06/08/2023 12:05	WG2073900

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	1130		15.0	50.0	1	06/09/2023 00:59	WG2070776

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	709000		20000	1	06/06/2023 12:58		WG2072151
Free Carbon Dioxide	87200	B T8	20000	1	06/06/2023 12:58		WG2072151

Sample Narrative:

L1622177-02 WG2072151: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	704	T8	15.0	50.0	1	06/02/2023 17:32	WG2070845

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		50.0	100	1	06/05/2023 23:19	WG2071366

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	175		25.0	50.0	1	06/03/2023 11:31	WG2070884

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	3340000		37900	100000	100	06/10/2023 22:28	WG2075099
Sulfate	246000		5940	50000	10	06/10/2023 22:14	WG2075099

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	8930	B	510	5000	5	06/17/2023 08:44	WG2076049

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	1840		18.0	100	1	06/09/2023 00:59	WG2070776
Manganese	65.7		0.934	10.0	1	06/09/2023 00:59	WG2070776
Sodium	1870000		2520	15000	5	06/09/2023 18:41	WG2070776

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	1180		2.91	10.0	1	06/06/2023 13:33	WG2071700
Ethane	U		4.07	13.0	1	06/06/2023 13:33	WG2071700
Ethene	U		4.26	13.0	1	06/06/2023 13:33	WG2071700

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/08/2023 12:27	WG2073900
Benzene	U		0.0941	1.00	1	06/08/2023 12:27	WG2073900
Bromochloromethane	U		0.128	1.00	1	06/08/2023 12:27	WG2073900
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 12:27	WG2073900
Bromoform	U		0.129	1.00	1	06/08/2023 12:27	WG2073900
Bromomethane	U		0.605	5.00	1	06/08/2023 12:27	WG2073900
Carbon disulfide	0.359	U	0.0962	1.00	1	06/08/2023 12:27	WG2073900
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 12:27	WG2073900
Chlorobenzene	U		0.116	1.00	1	06/08/2023 12:27	WG2073900
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 12:27	WG2073900
Chloroethane	U		0.192	5.00	1	06/08/2023 12:27	WG2073900
Chloroform	U		0.111	5.00	1	06/08/2023 12:27	WG2073900
Chloromethane	U		0.960	2.50	1	06/08/2023 12:27	WG2073900
Cyclohexane	U		0.188	1.00	1	06/08/2023 12:27	WG2073900
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 12:27	WG2073900
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 12:27	WG2073900
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 12:27	WG2073900
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 12:27	WG2073900
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 12:27	WG2073900
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 12:27	WG2073900
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 12:27	WG2073900
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 12:27	WG2073900
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 12:27	WG2073900
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 12:27	WG2073900
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 12:27	WG2073900
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 12:27	WG2073900
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 12:27	WG2073900
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 12:27	WG2073900
Ethylbenzene	U		0.137	1.00	1	06/08/2023 12:27	WG2073900
2-Hexanone	U		0.787	10.0	1	06/08/2023 12:27	WG2073900
Isopropylbenzene	0.115	U	0.105	1.00	1	06/08/2023 12:27	WG2073900
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 12:27	WG2073900
Methyl Acetate	U		1.29	20.0	1	06/08/2023 12:27	WG2073900
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 12:27	WG2073900
Methylene Chloride	U		0.430	5.00	1	06/08/2023 12:27	WG2073900
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 12:27	WG2073900
Methyl tert-butyl ether	37.5		0.101	1.00	1	06/08/2023 12:27	WG2073900
Styrene	U		0.118	1.00	1	06/08/2023 12:27	WG2073900
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 12:27	WG2073900
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 12:27	WG2073900
Toluene	U		0.278	1.00	1	06/08/2023 12:27	WG2073900
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 12:27	WG2073900
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 12:27	WG2073900
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 12:27	WG2073900
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 12:27	WG2073900
Trichloroethene	U		0.190	1.00	1	06/08/2023 12:27	WG2073900
Trichlorofluoromethane	U		0.160	5.00	1	06/08/2023 12:27	WG2073900
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 12:27	WG2073900
Vinyl chloride	U		0.234	1.00	1	06/08/2023 12:27	WG2073900
Xylenes, Total	U		0.174	3.00	1	06/08/2023 12:27	WG2073900
(S) Toluene-d8	102			80.0-120		06/08/2023 12:27	WG2073900
(S) 4-Bromofluorobenzene	96.9			77.0-126		06/08/2023 12:27	WG2073900
(S) 1,2-Dichloroethane-d4	85.6			70.0-130		06/08/2023 12:27	WG2073900

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	4140		18.0	100	1	06/09/2023 01:02	WG2070776

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	307000		20000	1	06/06/2023 13:02		WG2072151
Free Carbon Dioxide	51500	B T8	20000	1	06/06/2023 13:02		WG2072151

Sample Narrative:

L1622177-03 WG2072151: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	21900	T8	750	2500	50	06/02/2023 17:32	WG2070845

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		50.0	100	1	06/05/2023 23:20	WG2071366

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	U		25.0	50.0	1	06/03/2023 11:31	WG2070884

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	8870000		37900	100000	100	06/10/2023 22:41	WG2075099
Sulfate	994000		59400	500000	100	06/10/2023 22:41	WG2075099

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	2580		102	1000	1	06/17/2023 16:33	WG2076050

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	26100		18.0	100	1	06/09/2023 01:02	WG2070776
Manganese	369		0.934	10.0	1	06/09/2023 01:02	WG2070776
Sodium	8300000		10100	60000	20	06/12/2023 01:01	WG2070776

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	36.6		2.91	10.0	1	06/06/2023 13:36	WG2071700
Ethane	U		4.07	13.0	1	06/06/2023 13:36	WG2071700
Ethene	U		4.26	13.0	1	06/06/2023 13:36	WG2071700

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/08/2023 12:49	WG2073900
Benzene	U		0.0941	1.00	1	06/08/2023 12:49	WG2073900
Bromochloromethane	U		0.128	1.00	1	06/08/2023 12:49	WG2073900
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 12:49	WG2073900
Bromoform	U		0.129	1.00	1	06/08/2023 12:49	WG2073900
Bromomethane	U		0.605	5.00	1	06/08/2023 12:49	WG2073900
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 12:49	WG2073900
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 12:49	WG2073900
Chlorobenzene	U		0.116	1.00	1	06/08/2023 12:49	WG2073900
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 12:49	WG2073900
Chloroethane	U		0.192	5.00	1	06/08/2023 12:49	WG2073900
Chloroform	U		0.111	5.00	1	06/08/2023 12:49	WG2073900
Chloromethane	U		0.960	2.50	1	06/08/2023 12:49	WG2073900
Cyclohexane	U		0.188	1.00	1	06/08/2023 12:49	WG2073900
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 12:49	WG2073900
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 12:49	WG2073900
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 12:49	WG2073900
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 12:49	WG2073900
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 12:49	WG2073900
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 12:49	WG2073900
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 12:49	WG2073900
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 12:49	WG2073900
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 12:49	WG2073900
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 12:49	WG2073900
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 12:49	WG2073900
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 12:49	WG2073900
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 12:49	WG2073900
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 12:49	WG2073900
Ethylbenzene	U		0.137	1.00	1	06/08/2023 12:49	WG2073900
2-Hexanone	U		0.787	10.0	1	06/08/2023 12:49	WG2073900
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 12:49	WG2073900
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 12:49	WG2073900
Methyl Acetate	U		1.29	20.0	1	06/08/2023 12:49	WG2073900
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 12:49	WG2073900
Methylene Chloride	U		0.430	5.00	1	06/08/2023 12:49	WG2073900
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 12:49	WG2073900
Methyl tert-butyl ether	0.533	U	0.101	1.00	1	06/08/2023 12:49	WG2073900
Styrene	U		0.118	1.00	1	06/08/2023 12:49	WG2073900
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 12:49	WG2073900
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 12:49	WG2073900
Toluene	U		0.278	1.00	1	06/08/2023 12:49	WG2073900
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 12:49	WG2073900
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 12:49	WG2073900
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 12:49	WG2073900
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 12:49	WG2073900
Trichloroethene	U		0.190	1.00	1	06/08/2023 12:49	WG2073900
Trichlorofluoromethane	U		0.160	5.00	1	06/08/2023 12:49	WG2073900
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 12:49	WG2073900
Vinyl chloride	U		0.234	1.00	1	06/08/2023 12:49	WG2073900
Xylenes, Total	U		0.174	3.00	1	06/08/2023 12:49	WG2073900
(S) Toluene-d8	99.7			80.0-120		06/08/2023 12:49	WG2073900
(S) 4-Bromofluorobenzene	98.5			77.0-126		06/08/2023 12:49	WG2073900
(S) 1,2-Dichloroethane-d4	91.4			70.0-130		06/08/2023 12:49	WG2073900

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		18.0	100	1	06/09/2023 01:19	WG2070776

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	580000		20000	1	06/06/2023 13:07	WG2072151	
Free Carbon Dioxide	203000	T8	20000	1	06/06/2023 13:07	WG2072151	

Sample Narrative:

L1622177-04 WG2072151: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	21900	T8	750	2500	50	06/02/2023 17:33	WG2070845

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/05/2023 23:21	WG2071366

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	06/03/2023 11:31	WG2070884

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	15600000		37900	100000	100	06/10/2023 22:55	WG2075099
Sulfate	1720000		59400	500000	100	06/10/2023 22:55	WG2075099

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7910		102	1000	1	06/17/2023 17:33	WG2076050

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	17900		18.0	100	1	06/09/2023 01:19	WG2070776
Manganese	411		0.934	10.0	1	06/09/2023 01:19	WG2070776
Sodium	8270000		10100	60000	20	06/12/2023 01:04	WG2070776

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		2.91	10.0	1	06/06/2023 13:39	WG2071700
Ethane	U		4.07	13.0	1	06/06/2023 13:39	WG2071700
Ethene	U		4.26	13.0	1	06/06/2023 13:39	WG2071700

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/08/2023 13:10	WG2073900
Benzene	U		0.0941	1.00	1	06/08/2023 13:10	WG2073900
Bromochloromethane	U		0.128	1.00	1	06/08/2023 13:10	WG2073900
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 13:10	WG2073900
Bromoform	U		0.129	1.00	1	06/08/2023 13:10	WG2073900
Bromomethane	U		0.605	5.00	1	06/08/2023 13:10	WG2073900
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 13:10	WG2073900
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 13:10	WG2073900
Chlorobenzene	U		0.116	1.00	1	06/08/2023 13:10	WG2073900
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 13:10	WG2073900
Chloroethane	U		0.192	5.00	1	06/08/2023 13:10	WG2073900
Chloroform	U		0.111	5.00	1	06/08/2023 13:10	WG2073900
Chloromethane	U		0.960	2.50	1	06/08/2023 13:10	WG2073900
Cyclohexane	U		0.188	1.00	1	06/08/2023 13:10	WG2073900
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 13:10	WG2073900
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 13:10	WG2073900
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 13:10	WG2073900
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 13:10	WG2073900
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 13:10	WG2073900
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 13:10	WG2073900
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 13:10	WG2073900
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 13:10	WG2073900
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 13:10	WG2073900
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 13:10	WG2073900
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 13:10	WG2073900
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 13:10	WG2073900
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 13:10	WG2073900
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 13:10	WG2073900
Ethylbenzene	U		0.137	1.00	1	06/08/2023 13:10	WG2073900
2-Hexanone	U		0.787	10.0	1	06/08/2023 13:10	WG2073900
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 13:10	WG2073900
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 13:10	WG2073900
Methyl Acetate	U		1.29	20.0	1	06/08/2023 13:10	WG2073900
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 13:10	WG2073900
Methylene Chloride	U		0.430	5.00	1	06/08/2023 13:10	WG2073900
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 13:10	WG2073900
Methyl tert-butyl ether	U		0.101	1.00	1	06/08/2023 13:10	WG2073900
Styrene	U		0.118	1.00	1	06/08/2023 13:10	WG2073900
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 13:10	WG2073900
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 13:10	WG2073900
Toluene	U		0.278	1.00	1	06/08/2023 13:10	WG2073900
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 13:10	WG2073900
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 13:10	WG2073900
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 13:10	WG2073900
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 13:10	WG2073900
Trichloroethene	U		0.190	1.00	1	06/08/2023 13:10	WG2073900
Trichlorofluoromethane	U		0.160	5.00	1	06/08/2023 13:10	WG2073900
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 13:10	WG2073900
Vinyl chloride	U		0.234	1.00	1	06/08/2023 13:10	WG2073900
Xylenes, Total	U		0.174	3.00	1	06/08/2023 13:10	WG2073900
(S) Toluene-d8	102			80.0-120		06/08/2023 13:10	WG2073900
(S) 4-Bromofluorobenzene	95.7			77.0-126		06/08/2023 13:10	WG2073900
(S) 1,2-Dichloroethane-d4	87.8			70.0-130		06/08/2023 13:10	WG2073900

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	239		15.0	50.0	1	06/09/2023 01:22	WG2070776

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	764000		20000	1	06/06/2023 13:11		WG2072151
Free Carbon Dioxide	105000	B T8	20000	1	06/06/2023 13:11		WG2072151

Sample Narrative:

L1622177-05 WG2072151: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	102	T8	15.0	50.0	1	06/02/2023 17:34	WG2070845

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		50.0	100	1	06/05/2023 23:22	WG2071366

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	1650		50.0	100	2	06/03/2023 11:32	WG2070884

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	3780000		37900	100000	100	06/10/2023 23:22	WG2075099
Sulfate	190000		5940	50000	10	06/10/2023 23:08	WG2075099

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	13000		102	1000	1	06/17/2023 17:54	WG2076050

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	341		18.0	100	1	06/09/2023 01:22	WG2070776
Manganese	90.5		0.934	10.0	1	06/09/2023 01:22	WG2070776
Sodium	2650000		2520	15000	5	06/09/2023 18:49	WG2070776

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	1040		2.91	10.0	1	06/06/2023 13:46	WG2071700
Ethane	U		4.07	13.0	1	06/06/2023 13:46	WG2071700
Ethene	U		4.26	13.0	1	06/06/2023 13:46	WG2071700

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/08/2023 13:32	WG2073900
Benzene	0.163	U	0.0941	1.00	1	06/08/2023 13:32	WG2073900
Bromochloromethane	U		0.128	1.00	1	06/08/2023 13:32	WG2073900
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 13:32	WG2073900
Bromoform	U		0.129	1.00	1	06/08/2023 13:32	WG2073900
Bromomethane	U		0.605	5.00	1	06/08/2023 13:32	WG2073900
Carbon disulfide	0.603	U	0.0962	1.00	1	06/08/2023 13:32	WG2073900
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 13:32	WG2073900
Chlorobenzene	U		0.116	1.00	1	06/08/2023 13:32	WG2073900
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 13:32	WG2073900
Chloroethane	U		0.192	5.00	1	06/08/2023 13:32	WG2073900
Chloroform	U		0.111	5.00	1	06/08/2023 13:32	WG2073900
Chloromethane	U		0.960	2.50	1	06/08/2023 13:32	WG2073900
Cyclohexane	0.544	U	0.188	1.00	1	06/08/2023 13:32	WG2073900
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 13:32	WG2073900
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 13:32	WG2073900
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 13:32	WG2073900
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 13:32	WG2073900
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 13:32	WG2073900
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 13:32	WG2073900
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 13:32	WG2073900
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 13:32	WG2073900
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 13:32	WG2073900
cis-1,2-Dichloroethene	0.164	U	0.126	1.00	1	06/08/2023 13:32	WG2073900
trans-1,2-Dichloroethene	0.735	U	0.149	1.00	1	06/08/2023 13:32	WG2073900
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 13:32	WG2073900
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 13:32	WG2073900
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 13:32	WG2073900
Ethylbenzene	U		0.137	1.00	1	06/08/2023 13:32	WG2073900
2-Hexanone	U		0.787	10.0	1	06/08/2023 13:32	WG2073900
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 13:32	WG2073900
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 13:32	WG2073900
Methyl Acetate	U		1.29	20.0	1	06/08/2023 13:32	WG2073900
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 13:32	WG2073900
Methylene Chloride	U		0.430	5.00	1	06/08/2023 13:32	WG2073900
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 13:32	WG2073900
Methyl tert-butyl ether	12.8		0.101	1.00	1	06/08/2023 13:32	WG2073900
Styrene	U		0.118	1.00	1	06/08/2023 13:32	WG2073900
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 13:32	WG2073900
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 13:32	WG2073900
Toluene	U		0.278	1.00	1	06/08/2023 13:32	WG2073900
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 13:32	WG2073900
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 13:32	WG2073900
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 13:32	WG2073900
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 13:32	WG2073900
Trichloroethene	U		0.190	1.00	1	06/08/2023 13:32	WG2073900
Trichlorofluoromethane	U		0.160	5.00	1	06/08/2023 13:32	WG2073900
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 13:32	WG2073900
Vinyl chloride	U		0.234	1.00	1	06/08/2023 13:32	WG2073900
Xylenes, Total	U		0.174	3.00	1	06/08/2023 13:32	WG2073900
(S) Toluene-d8	102			80.0-120		06/08/2023 13:32	WG2073900
(S) 4-Bromofluorobenzene	98.3			77.0-126		06/08/2023 13:32	WG2073900
(S) 1,2-Dichloroethane-d4	87.5			70.0-130		06/08/2023 13:32	WG2073900

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		15.0	50.0	1	06/09/2023 01:25	WG2070776

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	768000		20000	1	06/08/2023 10:33		WG2073068
Free Carbon Dioxide	96900	B T8	20000	1	06/08/2023 10:33		WG2073068

Sample Narrative:

L1622177-06 WG2073068: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	118	T8	15.0	50.0	1	06/02/2023 17:35	WG2070845

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/05/2023 23:24	WG2071366

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	9030		250	500	10	06/03/2023 11:34	WG2070884

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	3460000		37900	100000	100	06/11/2023 00:15	WG2075099
Sulfate	177000		5940	50000	10	06/10/2023 23:35	WG2075099

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	13600		102	1000	1	06/17/2023 18:16	WG2076050

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	79.4	J	18.0	100	1	06/09/2023 01:25	WG2070776
Manganese	46.1		0.934	10.0	1	06/09/2023 01:25	WG2070776
Sodium	2160000		2520	15000	5	06/09/2023 18:52	WG2070776

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1110		2.91	10.0	1	06/06/2023 13:52	WG2071700
Ethane	U		4.07	13.0	1	06/06/2023 13:52	WG2071700
Ethene	22.5		4.26	13.0	1	06/06/2023 13:52	WG2071700

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/08/2023 13:53	WG2073900
Benzene	2.53		0.0941	1.00	1	06/08/2023 13:53	WG2073900
Bromochloromethane	U		0.128	1.00	1	06/08/2023 13:53	WG2073900
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 13:53	WG2073900
Bromoform	U		0.129	1.00	1	06/08/2023 13:53	WG2073900
Bromomethane	U		0.605	5.00	1	06/08/2023 13:53	WG2073900
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 13:53	WG2073900
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 13:53	WG2073900
Chlorobenzene	U		0.116	1.00	1	06/08/2023 13:53	WG2073900
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 13:53	WG2073900
Chloroethane	U		0.192	5.00	1	06/08/2023 13:53	WG2073900
Chloroform	U		0.111	5.00	1	06/08/2023 13:53	WG2073900
Chloromethane	U		0.960	2.50	1	06/08/2023 13:53	WG2073900
Cyclohexane	0.517	U	0.188	1.00	1	06/08/2023 13:53	WG2073900
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 13:53	WG2073900
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 13:53	WG2073900
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 13:53	WG2073900
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 13:53	WG2073900
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 13:53	WG2073900
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 13:53	WG2073900
1,1-Dichloroethane	0.322	U	0.100	1.00	1	06/08/2023 13:53	WG2073900
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 13:53	WG2073900
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 13:53	WG2073900
cis-1,2-Dichloroethene	0.605	U	0.126	1.00	1	06/08/2023 13:53	WG2073900
trans-1,2-Dichloroethene	1.73		0.149	1.00	1	06/08/2023 13:53	WG2073900
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 13:53	WG2073900
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 13:53	WG2073900
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 13:53	WG2073900
Ethylbenzene	0.258	U	0.137	1.00	1	06/08/2023 13:53	WG2073900
2-Hexanone	U		0.787	10.0	1	06/08/2023 13:53	WG2073900
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 13:53	WG2073900
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 13:53	WG2073900
Methyl Acetate	U		1.29	20.0	1	06/08/2023 13:53	WG2073900
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 13:53	WG2073900
Methylene Chloride	U		0.430	5.00	1	06/08/2023 13:53	WG2073900
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 13:53	WG2073900
Methyl tert-butyl ether	15.2		0.101	1.00	1	06/08/2023 13:53	WG2073900
Styrene	U		0.118	1.00	1	06/08/2023 13:53	WG2073900
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 13:53	WG2073900
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 13:53	WG2073900
Toluene	0.293	U	0.278	1.00	1	06/08/2023 13:53	WG2073900
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 13:53	WG2073900
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 13:53	WG2073900
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 13:53	WG2073900
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 13:53	WG2073900
Trichloroethene	U		0.190	1.00	1	06/08/2023 13:53	WG2073900
Trichlorofluoromethane	U		0.160	5.00	1	06/08/2023 13:53	WG2073900
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 13:53	WG2073900
Vinyl chloride	22.2		0.234	1.00	1	06/08/2023 13:53	WG2073900
Xylenes, Total	0.643	U	0.174	3.00	1	06/08/2023 13:53	WG2073900
(S) Toluene-d8	104			80.0-120		06/08/2023 13:53	WG2073900
(S) 4-Bromofluorobenzene	95.5			77.0-126		06/08/2023 13:53	WG2073900
(S) 1,2-Dichloroethane-d4	88.2			70.0-130		06/08/2023 13:53	WG2073900

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	637		15.0	50.0	1	06/09/2023 01:27	WG2070776

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	315000		20000	1	06/08/2023 10:37		WG2073068
Free Carbon Dioxide	31200	B T8	20000	1	06/08/2023 10:37		WG2073068

Sample Narrative:

L1622177-07 WG2073068: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	555	T8	15.0	50.0	1	06/02/2023 17:35	WG2070845

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		50.0	100	1	06/05/2023 23:25	WG2071366

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	3490		250	500	10	06/03/2023 11:34	WG2070884

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	1330000		3790	10000	10	06/11/2023 00:29	WG2075099
Sulfate	108000		5940	50000	10	06/11/2023 00:29	WG2075099

Wet Chemistry by Method 9060A

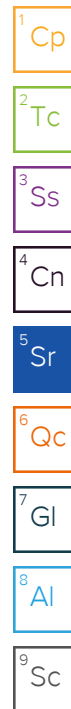
	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	46000		102	1000	1	06/17/2023 18:44	WG2076050

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	1190		18.0	100	1	06/09/2023 01:27	WG2070776
Manganese	13.0		0.934	10.0	1	06/09/2023 01:27	WG2070776
Sodium	899000		504	3000	1	06/09/2023 01:27	WG2070776

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	6320		2.91	10.0	1	06/06/2023 13:55	WG2071700
Ethane	453		4.07	13.0	1	06/06/2023 13:55	WG2071700
Ethene	U		4.26	13.0	1	06/06/2023 13:55	WG2071700



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/08/2023 14:15	WG2073900
Benzene	5.20		0.0941	1.00	1	06/08/2023 14:15	WG2073900
Bromochloromethane	U		0.128	1.00	1	06/08/2023 14:15	WG2073900
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 14:15	WG2073900
Bromoform	U		0.129	1.00	1	06/08/2023 14:15	WG2073900
Bromomethane	U		0.605	5.00	1	06/08/2023 14:15	WG2073900
Carbon disulfide	0.921	U	0.0962	1.00	1	06/08/2023 14:15	WG2073900
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 14:15	WG2073900
Chlorobenzene	U		0.116	1.00	1	06/08/2023 14:15	WG2073900
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 14:15	WG2073900
Chloroethane	U		0.192	5.00	1	06/08/2023 14:15	WG2073900
Chloroform	U		0.111	5.00	1	06/08/2023 14:15	WG2073900
Chloromethane	U		0.960	2.50	1	06/08/2023 14:15	WG2073900
Cyclohexane	1.45		0.188	1.00	1	06/08/2023 14:15	WG2073900
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 14:15	WG2073900
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 14:15	WG2073900
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 14:15	WG2073900
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 14:15	WG2073900
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 14:15	WG2073900
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 14:15	WG2073900
1,1-Dichloroethane	0.477	U	0.100	1.00	1	06/08/2023 14:15	WG2073900
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 14:15	WG2073900
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 14:15	WG2073900
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 14:15	WG2073900
trans-1,2-Dichloroethene	6.97		0.149	1.00	1	06/08/2023 14:15	WG2073900
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 14:15	WG2073900
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 14:15	WG2073900
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 14:15	WG2073900
Ethylbenzene	6.13		0.137	1.00	1	06/08/2023 14:15	WG2073900
2-Hexanone	U		0.787	10.0	1	06/08/2023 14:15	WG2073900
Isopropylbenzene	1.05		0.105	1.00	1	06/08/2023 14:15	WG2073900
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 14:15	WG2073900
Methyl Acetate	U		1.29	20.0	1	06/08/2023 14:15	WG2073900
Methyl Cyclohexane	1.84		0.660	1.00	1	06/08/2023 14:15	WG2073900
Methylene Chloride	U		0.430	5.00	1	06/08/2023 14:15	WG2073900
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 14:15	WG2073900
Methyl tert-butyl ether	119		0.101	1.00	1	06/08/2023 14:15	WG2073900
Styrene	U		0.118	1.00	1	06/08/2023 14:15	WG2073900
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 14:15	WG2073900
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 14:15	WG2073900
Toluene	0.305	U	0.278	1.00	1	06/08/2023 14:15	WG2073900
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 14:15	WG2073900
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 14:15	WG2073900
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 14:15	WG2073900
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 14:15	WG2073900
Trichloroethene	U		0.190	1.00	1	06/08/2023 14:15	WG2073900
Trichlorofluoromethane	U		0.160	5.00	1	06/08/2023 14:15	WG2073900
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 14:15	WG2073900
Vinyl chloride	U		0.234	1.00	1	06/08/2023 14:15	WG2073900
Xylenes, Total	0.448	U	0.174	3.00	1	06/08/2023 14:15	WG2073900
(S) Toluene-d8	102			80.0-120		06/08/2023 14:15	WG2073900
(S) 4-Bromofluorobenzene	93.4			77.0-126		06/08/2023 14:15	WG2073900
(S) 1,2-Dichloroethane-d4	87.6			70.0-130		06/08/2023 14:15	WG2073900

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	261		15.0	50.0	1	06/09/2023 01:30	WG2070776

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	518000		20000	1	06/08/2023 10:42		WG2073068
Free Carbon Dioxide	64100	B T8	20000	1	06/08/2023 10:42		WG2073068

Sample Narrative:

L1622177-08 WG2073068: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	249	T8	15.0	50.0	1	06/02/2023 17:35	WG2070845

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		50.0	100	1	06/05/2023 23:30	WG2071366

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	U		25.0	50.0	1	06/03/2023 11:35	WG2070884
Sulfide	4470	Q	125	250	5	07/07/2023 16:01	WG2090914

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	2300000		37900	100000	100	06/11/2023 01:09	WG2075099
Sulfate	185000		5940	50000	10	06/11/2023 00:55	WG2075099

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	31400		102	1000	1	06/17/2023 19:08	WG2076050

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	510		18.0	100	1	06/09/2023 01:30	WG2070776
Manganese	15.2		0.934	10.0	1	06/09/2023 01:30	WG2070776
Sodium	1720000		2520	15000	5	06/09/2023 18:55	WG2070776

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	6450		2.91	10.0	1	06/06/2023 13:58	WG2071700
Ethane	229		4.07	13.0	1	06/06/2023 13:58	WG2071700
Ethene	104		4.26	13.0	1	06/06/2023 13:58	WG2071700

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/08/2023 14:36	WG2073900
Benzene	9.57		0.0941	1.00	1	06/08/2023 14:36	WG2073900
Bromochloromethane	U		0.128	1.00	1	06/08/2023 14:36	WG2073900
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 14:36	WG2073900
Bromoform	U		0.129	1.00	1	06/08/2023 14:36	WG2073900
Bromomethane	U		0.605	5.00	1	06/08/2023 14:36	WG2073900
Carbon disulfide	0.703	IL	0.0962	1.00	1	06/08/2023 14:36	WG2073900
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 14:36	WG2073900
Chlorobenzene	U		0.116	1.00	1	06/08/2023 14:36	WG2073900
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 14:36	WG2073900
Chloroethane	U		0.192	5.00	1	06/08/2023 14:36	WG2073900
Chloroform	U		0.111	5.00	1	06/08/2023 14:36	WG2073900
Chloromethane	U		0.960	2.50	1	06/08/2023 14:36	WG2073900
Cyclohexane	0.913	IL	0.188	1.00	1	06/08/2023 14:36	WG2073900
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 14:36	WG2073900
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 14:36	WG2073900
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 14:36	WG2073900
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 14:36	WG2073900
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 14:36	WG2073900
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 14:36	WG2073900
1,1-Dichloroethane	0.286	IL	0.100	1.00	1	06/08/2023 14:36	WG2073900
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 14:36	WG2073900
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 14:36	WG2073900
cis-1,2-Dichloroethene	0.297	IL	0.126	1.00	1	06/08/2023 14:36	WG2073900
trans-1,2-Dichloroethene	10.1		0.149	1.00	1	06/08/2023 14:36	WG2073900
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 14:36	WG2073900
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 14:36	WG2073900
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 14:36	WG2073900
Ethylbenzene	7.14		0.137	1.00	1	06/08/2023 14:36	WG2073900
2-Hexanone	U		0.787	10.0	1	06/08/2023 14:36	WG2073900
Isopropylbenzene	0.746	IL	0.105	1.00	1	06/08/2023 14:36	WG2073900
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 14:36	WG2073900
Methyl Acetate	U		1.29	20.0	1	06/08/2023 14:36	WG2073900
Methyl Cyclohexane	0.669	IL	0.660	1.00	1	06/08/2023 14:36	WG2073900
Methylene Chloride	U		0.430	5.00	1	06/08/2023 14:36	WG2073900
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 14:36	WG2073900
Methyl tert-butyl ether	152		0.101	1.00	1	06/08/2023 14:36	WG2073900
Styrene	U		0.118	1.00	1	06/08/2023 14:36	WG2073900
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 14:36	WG2073900
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 14:36	WG2073900
Toluene	0.878	IL	0.278	1.00	1	06/08/2023 14:36	WG2073900
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 14:36	WG2073900
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 14:36	WG2073900
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 14:36	WG2073900
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 14:36	WG2073900
Trichloroethene	0.359	IL	0.190	1.00	1	06/08/2023 14:36	WG2073900
Trichlorofluoromethane	U		0.160	5.00	1	06/08/2023 14:36	WG2073900
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 14:36	WG2073900
Vinyl chloride	U		0.234	1.00	1	06/08/2023 14:36	WG2073900
Xylenes, Total	10.6		0.174	3.00	1	06/08/2023 14:36	WG2073900
(S) Toluene-d8	102			80.0-120		06/08/2023 14:36	WG2073900
(S) 4-Bromofluorobenzene	103			77.0-126		06/08/2023 14:36	WG2073900
(S) 1,2-Dichloroethane-d4	88.7			70.0-130		06/08/2023 14:36	WG2073900

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	932		18.0	100	1	06/09/2023 01:33	WG2070776
Manganese	9.38	J	0.934	10.0	1	06/09/2023 01:33	WG2070776
Sodium	115000		504	3000	1	06/09/2023 01:33	WG2070776

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3600		2.91	10.0	1	06/06/2023 14:01	WG2071700
Ethane	U		4.07	13.0	1	06/06/2023 14:01	WG2071700
Ethene	U		4.26	13.0	1	06/06/2023 14:01	WG2071700

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/08/2023 14:58	WG2073900
Benzene	7.89		0.0941	1.00	1	06/08/2023 14:58	WG2073900
Bromochloromethane	U		0.128	1.00	1	06/08/2023 14:58	WG2073900
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 14:58	WG2073900
Bromoform	U		0.129	1.00	1	06/08/2023 14:58	WG2073900
Bromomethane	U		0.605	5.00	1	06/08/2023 14:58	WG2073900
Carbon disulfide	0.313	J	0.0962	1.00	1	06/08/2023 14:58	WG2073900
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 14:58	WG2073900
Chlorobenzene	U		0.116	1.00	1	06/08/2023 14:58	WG2073900
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 14:58	WG2073900
Chloroethane	U		0.192	5.00	1	06/08/2023 14:58	WG2073900
Chloroform	U		0.111	5.00	1	06/08/2023 14:58	WG2073900
Chloromethane	U		0.960	2.50	1	06/08/2023 14:58	WG2073900
Cyclohexane	2.07		0.188	1.00	1	06/08/2023 14:58	WG2073900
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 14:58	WG2073900
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 14:58	WG2073900
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 14:58	WG2073900
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 14:58	WG2073900
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 14:58	WG2073900
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 14:58	WG2073900
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 14:58	WG2073900
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 14:58	WG2073900
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 14:58	WG2073900
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 14:58	WG2073900
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 14:58	WG2073900
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 14:58	WG2073900
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 14:58	WG2073900
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 14:58	WG2073900
Ethylbenzene	0.448	J	0.137	1.00	1	06/08/2023 14:58	WG2073900
2-Hexanone	U		0.787	10.0	1	06/08/2023 14:58	WG2073900
Isopropylbenzene	1.82		0.105	1.00	1	06/08/2023 14:58	WG2073900
2-Butanone (MEK)	3.98	J	1.19	10.0	1	06/08/2023 14:58	WG2073900
Methyl Acetate	U		1.29	20.0	1	06/08/2023 14:58	WG2073900
Methyl Cyclohexane	2.40		0.660	1.00	1	06/08/2023 14:58	WG2073900
Methylene Chloride	U		0.430	5.00	1	06/08/2023 14:58	WG2073900
4-Methyl-2-pentanone (MIBK)	1.04	J	0.478	10.0	1	06/08/2023 14:58	WG2073900
Methyl tert-butyl ether	0.477	J	0.101	1.00	1	06/08/2023 14:58	WG2073900
Styrene	U		0.118	1.00	1	06/08/2023 14:58	WG2073900
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 14:58	WG2073900
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 14:58	WG2073900
Toluene	1.44		0.278	1.00	1	06/08/2023 14:58	WG2073900

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 14:58	WG2073900
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 14:58	WG2073900
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 14:58	WG2073900
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 14:58	WG2073900
Trichloroethene	U		0.190	1.00	1	06/08/2023 14:58	WG2073900
Trichlorofluoromethane	U		0.160	5.00	1	06/08/2023 14:58	WG2073900
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 14:58	WG2073900
Vinyl chloride	U		0.234	1.00	1	06/08/2023 14:58	WG2073900
Xylenes, Total	2.41	J	0.174	3.00	1	06/08/2023 14:58	WG2073900
(S) Toluene-d8	100			80.0-120		06/08/2023 14:58	WG2073900
(S) 4-Bromofluorobenzene	93.7			77.0-126		06/08/2023 14:58	WG2073900
(S) 1,2-Dichloroethane-d4	85.9			70.0-130		06/08/2023 14:58	WG2073900

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	218		15.0	50.0	1	06/09/2023 01:36	WG2070776

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	556000		20000	1	06/08/2023 10:46		WG2073068
Free Carbon Dioxide	56300	B T8	20000	1	06/08/2023 10:46		WG2073068

Sample Narrative:

L1622177-10 WG2073068: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	496	T8	15.0	50.0	1	06/02/2023 17:36	WG2070845

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		50.0	100	1	06/05/2023 23:31	WG2071366

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	7970		250	500	10	06/03/2023 11:35	WG2070884

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	2460000		37900	100000	100	06/11/2023 01:36	WG2075099
Sulfate	151000		5940	50000	10	06/11/2023 01:22	WG2075099

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	32000		102	1000	1	06/17/2023 20:34	WG2076050

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	714		18.0	100	1	06/09/2023 01:36	WG2070776
Manganese	24.1		0.934	10.0	1	06/09/2023 01:36	WG2070776
Sodium	1610000		2520	15000	5	06/09/2023 18:58	WG2070776

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	5350		2.91	10.0	1	06/06/2023 14:04	WG2071700
Ethane	159		4.07	13.0	1	06/06/2023 14:04	WG2071700
Ethene	117		4.26	13.0	1	06/06/2023 14:04	WG2071700

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		113	500	10	06/08/2023 18:14	WG2073900
Benzene	7.13	U	0.941	10.0	10	06/08/2023 18:14	WG2073900
Bromochloromethane	U		1.28	10.0	10	06/08/2023 18:14	WG2073900
Bromodichloromethane	U		1.36	10.0	10	06/08/2023 18:14	WG2073900
Bromoform	U		1.29	10.0	10	06/08/2023 18:14	WG2073900
Bromomethane	U		6.05	50.0	10	06/08/2023 18:14	WG2073900
Carbon disulfide	U		0.962	10.0	10	06/08/2023 18:14	WG2073900
Carbon tetrachloride	U		1.28	10.0	10	06/08/2023 18:14	WG2073900
Chlorobenzene	U		1.16	10.0	10	06/11/2023 23:06	WG2075575
Chlorodibromomethane	U		1.40	10.0	10	06/08/2023 18:14	WG2073900
Chloroethane	U		1.92	50.0	10	06/08/2023 18:14	WG2073900
Chloroform	U		1.11	50.0	10	06/08/2023 18:14	WG2073900
Chloromethane	U		9.60	25.0	10	06/08/2023 18:14	WG2073900
Cyclohexane	U		1.88	10.0	10	06/08/2023 18:14	WG2073900
1,2-Dibromo-3-Chloropropane	U		2.76	50.0	10	06/08/2023 18:14	WG2073900
1,2-Dibromoethane	U		1.26	10.0	10	06/08/2023 18:14	WG2073900
1,2-Dichlorobenzene	U		1.07	10.0	10	06/08/2023 18:14	WG2073900
1,3-Dichlorobenzene	U		1.10	10.0	10	06/08/2023 18:14	WG2073900
1,4-Dichlorobenzene	U		1.20	10.0	10	06/08/2023 18:14	WG2073900
Dichlorodifluoromethane	U		3.74	50.0	10	06/08/2023 18:14	WG2073900
1,1-Dichloroethane	U		1.00	10.0	10	06/08/2023 18:14	WG2073900
1,2-Dichloroethane	U		0.819	10.0	10	06/08/2023 18:14	WG2073900
1,1-Dichloroethene	U		1.88	10.0	10	06/08/2023 18:14	WG2073900
cis-1,2-Dichloroethene	U		1.26	10.0	10	06/08/2023 18:14	WG2073900
trans-1,2-Dichloroethene	7.37	U	1.49	10.0	10	06/08/2023 18:14	WG2073900
1,2-Dichloropropane	U		1.49	10.0	10	06/08/2023 18:14	WG2073900
cis-1,3-Dichloropropene	U		1.11	10.0	10	06/08/2023 18:14	WG2073900
trans-1,3-Dichloropropene	U		1.18	10.0	10	06/08/2023 18:14	WG2073900
Ethylbenzene	6.20	U	1.37	10.0	10	06/08/2023 18:14	WG2073900
2-Hexanone	U		7.87	100	10	06/08/2023 18:14	WG2073900
Isopropylbenzene	U		1.05	10.0	10	06/08/2023 18:14	WG2073900
2-Butanone (MEK)	U		11.9	100	10	06/08/2023 18:14	WG2073900
Methyl Acetate	U		12.9	200	10	06/08/2023 18:14	WG2073900
Methyl Cyclohexane	U		6.60	10.0	10	06/08/2023 18:14	WG2073900
Methylene Chloride	U		4.30	50.0	10	06/08/2023 18:14	WG2073900
4-Methyl-2-pentanone (MIBK)	U		4.78	100	10	06/08/2023 18:14	WG2073900
Methyl tert-butyl ether	113		1.01	10.0	10	06/08/2023 18:14	WG2073900
Styrene	U		1.18	10.0	10	06/08/2023 18:14	WG2073900
1,1,2,2-Tetrachloroethane	U		1.33	10.0	10	06/08/2023 18:14	WG2073900
Tetrachloroethene	U		3.00	10.0	10	06/08/2023 18:14	WG2073900
Toluene	U		2.78	10.0	10	06/08/2023 18:14	WG2073900
1,2,3-Trichlorobenzene	U		2.30	10.0	10	06/08/2023 18:14	WG2073900
1,2,4-Trichlorobenzene	U		4.81	10.0	10	06/08/2023 18:14	WG2073900
1,1,1-Trichloroethane	U		1.49	10.0	10	06/08/2023 18:14	WG2073900
1,1,2-Trichloroethane	U		1.58	10.0	10	06/08/2023 18:14	WG2073900
Trichloroethene	U		1.90	10.0	10	06/08/2023 18:14	WG2073900
Trichlorofluoromethane	U		1.60	50.0	10	06/08/2023 18:14	WG2073900
1,1,2-Trichlorotrifluoroethane	U		1.80	10.0	10	06/08/2023 18:14	WG2073900
Vinyl chloride	U		2.34	10.0	10	06/08/2023 18:14	WG2073900
Xylenes, Total	8.45	U	1.74	30.0	10	06/08/2023 18:14	WG2073900
(S) Toluene-d8	104			80.0-120		06/08/2023 18:14	WG2073900
(S) Toluene-d8	115			80.0-120		06/11/2023 23:06	WG2075575
(S) 4-Bromofluorobenzene	95.3			77.0-126		06/08/2023 18:14	WG2073900
(S) 4-Bromofluorobenzene	92.4			77.0-126		06/11/2023 23:06	WG2075575
(S) 1,2-Dichloroethane-d4	86.3			70.0-130		06/08/2023 18:14	WG2073900
(S) 1,2-Dichloroethane-d4	86.7			70.0-130		06/11/2023 23:06	WG2075575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	

Sample Narrative:

L1622177-10 WG2073900: Non-target compounds too high to run at a lower dilution.

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	U		15.0	50.0	1	06/20/2023 16:55	WG2070776

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	U		20000	1	06/07/2023 10:24	WG2072906	
Free Carbon Dioxide	ND	T8	20000	1	06/07/2023 10:24	WG2072906	

Sample Narrative:

L1622177-11 WG2072906: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	15.0	J T8	15.0	50.0	1	06/20/2023 16:55	WG2081117

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		50.0	100	1	06/05/2023 23:33	WG2071366

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	9970		250	500	10	06/03/2023 11:38	WG2070884
Sulfide	U	Q	25.0	50.0	1	07/06/2023 19:11	WG2090480

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	619	J	379	1000	1	06/11/2023 01:49	WG2075099
Sulfate	U		594	5000	1	06/11/2023 01:49	WG2075099

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	476	B J	102	1000	1	06/17/2023 20:50	WG2076050

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	U		18.0	100	1	06/09/2023 00:42	WG2070776
Manganese	U		0.934	10.0	1	06/09/2023 00:42	WG2070776
Sodium	U		504	3000	1	06/09/2023 00:42	WG2070776

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	U		2.91	10.0	1	06/06/2023 13:04	WG2071698
Ethane	U		4.07	13.0	1	06/06/2023 13:04	WG2071698
Ethene	U		4.26	13.0	1	06/06/2023 13:04	WG2071698

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/08/2023 11:43	WG2073900
Benzene	U		0.0941	1.00	1	06/08/2023 11:43	WG2073900
Bromochloromethane	U		0.128	1.00	1	06/08/2023 11:43	WG2073900
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 11:43	WG2073900
Bromoform	U		0.129	1.00	1	06/08/2023 11:43	WG2073900
Bromomethane	U		0.605	5.00	1	06/08/2023 11:43	WG2073900
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 11:43	WG2073900
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 11:43	WG2073900
Chlorobenzene	U		0.116	1.00	1	06/08/2023 11:43	WG2073900
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 11:43	WG2073900
Chloroethane	U		0.192	5.00	1	06/08/2023 11:43	WG2073900
Chloroform	1.32	U	0.111	5.00	1	06/08/2023 11:43	WG2073900
Chloromethane	U		0.960	2.50	1	06/08/2023 11:43	WG2073900
Cyclohexane	U		0.188	1.00	1	06/08/2023 11:43	WG2073900
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 11:43	WG2073900
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 11:43	WG2073900
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 11:43	WG2073900
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 11:43	WG2073900
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 11:43	WG2073900
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 11:43	WG2073900
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 11:43	WG2073900
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 11:43	WG2073900
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 11:43	WG2073900
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 11:43	WG2073900
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 11:43	WG2073900
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 11:43	WG2073900
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 11:43	WG2073900
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 11:43	WG2073900
Ethylbenzene	U		0.137	1.00	1	06/08/2023 11:43	WG2073900
2-Hexanone	U		0.787	10.0	1	06/08/2023 11:43	WG2073900
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 11:43	WG2073900
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 11:43	WG2073900
Methyl Acetate	U		1.29	20.0	1	06/08/2023 11:43	WG2073900
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 11:43	WG2073900
Methylene Chloride	U		0.430	5.00	1	06/08/2023 11:43	WG2073900
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 11:43	WG2073900
Methyl tert-butyl ether	U		0.101	1.00	1	06/08/2023 11:43	WG2073900
Styrene	U		0.118	1.00	1	06/08/2023 11:43	WG2073900
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 11:43	WG2073900
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 11:43	WG2073900
Toluene	U		0.278	1.00	1	06/08/2023 11:43	WG2073900
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 11:43	WG2073900
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 11:43	WG2073900
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 11:43	WG2073900
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 11:43	WG2073900
Trichloroethene	U		0.190	1.00	1	06/08/2023 11:43	WG2073900
Trichlorofluoromethane	U		0.160	5.00	1	06/08/2023 11:43	WG2073900
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 11:43	WG2073900
Vinyl chloride	U		0.234	1.00	1	06/08/2023 11:43	WG2073900
Xylenes, Total	U		0.174	3.00	1	06/08/2023 11:43	WG2073900
(S) Toluene-d8	104			80.0-120		06/08/2023 11:43	WG2073900
(S) 4-Bromofluorobenzene	97.5			77.0-126		06/08/2023 11:43	WG2073900
(S) 1,2-Dichloroethane-d4	87.1			70.0-130		06/08/2023 11:43	WG2073900

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

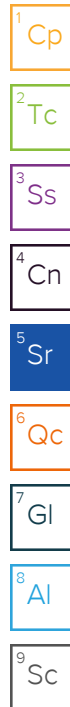
7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/08/2023 11:22	WG2073900
Benzene	U		0.0941	1.00	1	06/08/2023 11:22	WG2073900
Bromochloromethane	U		0.128	1.00	1	06/08/2023 11:22	WG2073900
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 11:22	WG2073900
Bromoform	U		0.129	1.00	1	06/08/2023 11:22	WG2073900
Bromomethane	U		0.605	5.00	1	06/08/2023 11:22	WG2073900
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 11:22	WG2073900
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 11:22	WG2073900
Chlorobenzene	U		0.116	1.00	1	06/08/2023 11:22	WG2073900
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 11:22	WG2073900
Chloroethane	U		0.192	5.00	1	06/08/2023 11:22	WG2073900
Chloroform	U		0.111	5.00	1	06/08/2023 11:22	WG2073900
Chloromethane	U		0.960	2.50	1	06/08/2023 11:22	WG2073900
Cyclohexane	U		0.188	1.00	1	06/08/2023 11:22	WG2073900
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 11:22	WG2073900
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 11:22	WG2073900
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 11:22	WG2073900
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 11:22	WG2073900
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 11:22	WG2073900
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 11:22	WG2073900
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 11:22	WG2073900
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 11:22	WG2073900
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 11:22	WG2073900
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 11:22	WG2073900
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 11:22	WG2073900
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 11:22	WG2073900
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 11:22	WG2073900
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 11:22	WG2073900
Ethylbenzene	U		0.137	1.00	1	06/08/2023 11:22	WG2073900
2-Hexanone	U		0.787	10.0	1	06/08/2023 11:22	WG2073900
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 11:22	WG2073900
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 11:22	WG2073900
Methyl Acetate	U		1.29	20.0	1	06/08/2023 11:22	WG2073900
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 11:22	WG2073900
Methylene Chloride	U		0.430	5.00	1	06/08/2023 11:22	WG2073900
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 11:22	WG2073900
Methyl tert-butyl ether	U		0.101	1.00	1	06/08/2023 11:22	WG2073900
Styrene	U		0.118	1.00	1	06/08/2023 11:22	WG2073900
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 11:22	WG2073900
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 11:22	WG2073900
Toluene	U		0.278	1.00	1	06/08/2023 11:22	WG2073900
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 11:22	WG2073900
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 11:22	WG2073900
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 11:22	WG2073900
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 11:22	WG2073900
Trichloroethene	U		0.190	1.00	1	06/08/2023 11:22	WG2073900
Trichlorofluoromethane	U		0.160	5.00	1	06/08/2023 11:22	WG2073900
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 11:22	WG2073900
Vinyl chloride	U		0.234	1.00	1	06/08/2023 11:22	WG2073900
Xylenes, Total	U		0.174	3.00	1	06/08/2023 11:22	WG2073900
(S) Toluene-d8	95.8			80.0-120		06/08/2023 11:22	WG2073900
(S) 4-Bromofluorobenzene	104			77.0-126		06/08/2023 11:22	WG2073900
(S) 1,2-Dichloroethane-d4	105			70.0-130		06/08/2023 11:22	WG2073900



Method Blank (MB)

(MB) R3933361-2 06/06/23 11:08

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Alkalinity	U		8450	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

Method Blank (MB)

(MB) R3933361-3 06/06/23 11:08

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Free Carbon Dioxide	11500	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1621708-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1621708-01 06/06/23 11:21 • (DUP) R3933361-4 06/06/23 11:26

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	206000	225000	1	8.80		20

Sample Narrative:
OS: Endpoint pH 4.5 Headspace
DUP: Endpoint pH 4.5

L1621708-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1621708-01 06/06/23 11:21 • (DUP) R3933361-5 06/06/23 11:26

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	ND	20900	1	5.69		20

Sample Narrative:
OS: Endpoint pH 4.5 Headspace
DUP: Endpoint pH 4.5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1621826-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1621826-01 06/06/23 12:19 • (DUP) R3933361-6 06/06/23 12:22

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1621826-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1621826-01 06/06/23 12:19 • (DUP) R3933361-7 06/06/23 12:22

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	52500	53400	1	1.71		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3933361-1 06/06/23 11:02

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Alkalinity	100000	102000	102	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3933823-2 06/07/23 08:48

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Alkalinity	U		8450	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

Method Blank (MB)

(MB) R3933823-3 06/07/23 08:48

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Free Carbon Dioxide	10900	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1621691-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1621691-01 06/07/23 09:01 • (DUP) R3933823-4 06/07/23 09:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	467000	467000	1	0.0515		20

Sample Narrative:
OS: Endpoint pH 4.5 Headspace
DUP: Endpoint pH 4.5

L1621691-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1621691-01 06/07/23 09:01 • (DUP) R3933823-5 06/07/23 09:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	74000	76900	1	3.81		20

Sample Narrative:
OS: Endpoint pH 4.5 Headspace
DUP: Endpoint pH 4.5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1621174-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1621174-01 06/07/23 11:16 • (DUP) R3933823-6 06/07/23 11:21

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	332000	339000	1	1.97		20

Sample Narrative:
OS: Endpoint pH 4.5 Headspace
DUP: Endpoint pH 4.5

L1621174-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1621174-01 06/07/23 11:16 • (DUP) R3933823-7 06/07/23 11:21

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	ND	ND	1	0.000		20

Sample Narrative:
OS: Endpoint pH 4.5 Headspace
DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3933823-1 06/07/23 08:43

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Alkalinity	100000	99600	99.6	90.0-110	

Sample Narrative:
LCS: Endpoint pH 4.5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3934274-2 06/08/23 08:54

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Alkalinity	U		8450	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3934274-3 06/08/23 08:54

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Free Carbon Dioxide	9910	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1621638-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1621638-01 06/08/23 09:26 • (DUP) R3934274-4 06/08/23 09:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	151000	149000	1	1.85		20

Sample Narrative:
OS: Endpoint pH 4.5 Headspace
DUP: Endpoint pH 4.5

L1621638-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1621638-01 06/08/23 09:26 • (DUP) R3934274-5 06/08/23 09:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	ND	ND	1	0.000		20

Sample Narrative:
OS: Endpoint pH 4.5 Headspace
DUP: Endpoint pH 4.5

L1622478-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1622478-03 06/08/23 11:01 • (DUP) R3934274-6 06/08/23 11:07

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	510000	524000	1	2.67		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1622478-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1622478-03 06/08/23 11:01 • (DUP) R3934274-7 06/08/23 11:07

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	88400	83200	1	6.08		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3934274-1 06/08/23 08:48

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	ug/l	ug/l	%	%	
Alkalinity	100000	100000	100	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5



Method Blank (MB)

(MB) R3932378-1 06/02/23 17:30

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Ferrous Iron	U		15.0	50.0

L1622177-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1622177-05 06/02/23 17:34 • (DUP) R3932378-3 06/02/23 17:34

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	102	104	1	1.94		20

Laboratory Control Sample (LCS)

(LCS) R3932378-2 06/02/23 17:30

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ferrous Iron	1000	1040	104	85.0-115	

L1622177-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622177-11 06/02/23 17:37 • (MS) R3932378-4 06/02/23 17:37 • (MSD) R3932378-5 06/02/23 17:37

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1000	61.0	1060	1070	100	101	1	80.0-120			1.03	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3939021-1 06/20/23 16:54

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Ferrous Iron	U		15.0	50.0

L1622177-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1622177-01 06/20/23 16:55 • (DUP) R3939021-3 06/20/23 16:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	16200	16100	25	0.843		20

L1622177-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1622177-11 06/20/23 16:55 • (DUP) R3939021-4 06/20/23 16:56

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	15.0	16.0	1	6.45	⬇	20

Laboratory Control Sample (LCS)

(LCS) R3939021-2 06/20/23 16:54

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ferrous Iron	1000	1040	104	85.0-115	

L1622177-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622177-11 06/20/23 16:55 • (MS) R3939021-5 06/20/23 16:57 • (MSD) R3939021-6 06/20/23 16:59

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1000	15.0	1010	1000	99.1	98.6	1	80.0-120			0.498	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3933066-1 06/05/23 23:15

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Nitrate-Nitrite	U		50.0	100

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1622262-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1622262-02 06/05/23 23:36 • (DUP) R3933066-3 06/05/23 23:38

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	1440	1440	1	0.000		20

L1622330-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1622330-11 06/05/23 23:48 • (DUP) R3933066-5 06/05/23 23:49

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	1930	1930	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3933066-2 06/05/23 23:16

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Nitrate-Nitrite	2500	2700	108	90.0-110	

L1622262-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622262-02 06/05/23 23:36 • (MS) R3933066-4 06/05/23 23:39 • (MSD) R3933066-7 06/06/23 00:08

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate-Nitrite	2500	1440	3750	3740	92.4	92.0	1	90.0-110			0.267	20

L1622330-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1622330-11 06/05/23 23:48 • (MS) R3933066-6 06/05/23 23:50

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Nitrate-Nitrite	2500	1930	4200	90.8	1	90.0-110	

Method Blank (MB)

(MB) R3932467-1 06/03/23 11:28

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Sulfide	U		25.0	50.0

L1622177-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1622177-05 06/03/23 11:32 • (DUP) R3932467-5 06/03/23 11:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	1650	1720	2	4.15		20

L1622290-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1622290-06 06/03/23 11:39 • (DUP) R3932467-6 06/03/23 11:40

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	U	U	2	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3932467-2 06/03/23 11:29

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	490	98.0	85.0-115	

L1622177-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622177-01 06/03/23 11:30 • (MS) R3932467-3 06/03/23 11:30 • (MSD) R3932467-4 06/03/23 11:31

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	500	U	485	485	97.0	97.0	1	80.0-120			0.000	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3945593-1 07/06/23 19:11

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Sulfide	U		25.0	50.0

L1622177-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1622177-11 07/06/23 19:11 • (DUP) R3945593-3 07/06/23 19:12

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3945593-2 07/06/23 19:11

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	451	90.2	85.0-115	

L1622177-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622177-11 07/06/23 19:11 • (MS) R3945593-4 07/06/23 19:12 • (MSD) R3945593-5 07/06/23 19:12

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	500	U	535	546	107	109	1	80.0-120			2.04	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3946043-1 07/07/23 15:59

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Sulfide	U		25.0	50.0

Laboratory Control Sample (LCS)

(LCS) R3946043-2 07/07/23 16:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	456	91.2	85.0-115	

L1632875-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1632875-01 07/07/23 16:02 • (MS) R3946043-3 07/07/23 16:03 • (MSD) R3946043-4 07/07/23 16:04

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	500	546	732	704	37.2	31.6	1	80.0-120	J6	J6	3.90	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3935504-1 06/10/23 21:34

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Chloride	U		379	1000
Sulfate	U		594	5000

L1622273-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1622273-06 06/11/23 02:56 • (DUP) R3935504-3 06/11/23 03:10

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	19800	19900	1	0.538		15
Sulfate	23700	23800	1	0.555		15

L1622273-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1622273-13 06/11/23 05:37 • (DUP) R3935504-6 06/11/23 05:51

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	80600	80500	10	0.197		15
Sulfate	311000	321000	10	3.15		15

Laboratory Control Sample (LCS)

(LCS) R3935504-2 06/10/23 21:47

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	38400	96.0	80.0-120	
Sulfate	40000	37700	94.2	80.0-120	

L1622273-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622273-06 06/11/23 02:56 • (MS) R3935504-4 06/11/23 03:23 • (MSD) R3935504-5 06/11/23 03:37

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Chloride	50000	19800	67700	67500	95.9	95.3	1	80.0-120			0.414	15
Sulfate	50000	23700	70800	70800	94.3	94.3	1	80.0-120			0.0164	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1622273-13 Original Sample (OS) • Matrix Spike (MS)

(OS) L1622273-13 06/11/23 05:37 • (MS) R3935504-7 06/11/23 06:04

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50000	80600	122000	82.7	10	80.0-120	
Sulfate	50000	311000	342000	62.2	10	80.0-120	<u>V</u>

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3938034-2 06/17/23 00:46

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	263	⬇	102	1000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1622008-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1622008-02 06/17/23 02:15 • (DUP) R3938034-3 06/17/23 02:31

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	796	920	1	14.4	⬇	20

L1622020-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1622020-04 06/17/23 05:48 • (DUP) R3938034-6 06/17/23 06:03

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	2420	2300	1	5.08		20

Laboratory Control Sample (LCS)

(LCS) R3938034-1 06/17/23 00:29

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	24300	97.1	85.0-115	

L1622020-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622020-01 06/17/23 03:36 • (MS) R3938034-4 06/17/23 03:56 • (MSD) R3938034-5 06/17/23 04:16

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	1030	25100	25700	96.1	98.8	1	80.0-120			2.72	20

L1622081-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622081-01 06/17/23 06:36 • (MS) R3938034-7 06/17/23 06:57 • (MSD) R3938034-8 06/17/23 07:17

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	1290	25600	25400	97.2	96.6	1	80.0-120			0.588	20

Method Blank (MB)

(MB) R3938053-2 06/17/23 14:31

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	172	⬇	102	1000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1622177-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1622177-08 06/17/23 19:08 • (DUP) R3938053-5 06/17/23 19:34

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	31400	31800	1	1.04		20

L1622302-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1622302-20 06/18/23 00:10 • (DUP) R3938053-8 06/18/23 00:30

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	4000	3960	1	0.880		20

Laboratory Control Sample (LCS)

(LCS) R3938053-1 06/17/23 14:15

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	24100	96.5	85.0-115	

L1622177-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622177-03 06/17/23 16:33 • (MS) R3938053-3 06/17/23 16:52 • (MSD) R3938053-4 06/17/23 17:12

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	2580	27300	27400	98.9	99.3	1	80.0-120			0.329	20

L1622177-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622177-11 06/17/23 20:50 • (MS) R3938053-6 06/17/23 21:10 • (MSD) R3938053-7 06/17/23 21:29

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	476	25000	24900	98.1	97.8	1	80.0-120			0.240	20

Method Blank (MB)

(MB) R3934703-1 06/09/23 00:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	U		18.0	100
Manganese	U		0.934	10.0
Sodium	U		504	3000

Laboratory Control Sample (LCS)

(LCS) R3934703-2 06/09/23 00:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	10000	100	80.0-120	
Manganese	1000	973	97.3	80.0-120	
Sodium	10000	9810	98.1	80.0-120	

L1622177-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622177-11 06/09/23 00:42 • (MS) R3934703-4 06/09/23 00:47 • (MSD) R3934703-5 06/09/23 00:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	10000	U	10100	10000	101	100	1	75.0-125			0.653	20
Manganese	1000	U	983	977	98.3	97.7	1	75.0-125			0.669	20
Sodium	10000	U	10400	10200	104	102	1	75.0-125			2.02	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3933292-2 06/06/23 10:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methane	U		2.91	10.0
Ethane	U		4.07	13.0
Ethene	U		4.26	13.0

L1622130-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1622130-02 06/06/23 11:27 • (DUP) R3933292-3 06/06/23 11:35

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	3420	3440	1	0.583		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1622482-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1622482-01 06/06/23 13:10 • (DUP) R3933292-4 06/06/23 13:18

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	U	U	1	0.000		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3933292-1 06/06/23 10:45 • (LCSD) R3933292-9 06/06/23 13:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	76.0	69.7	112	103	85.0-115			8.65	20
Ethane	129	120	119	93.0	92.2	85.0-115			0.837	20
Ethene	127	121	120	95.3	94.5	85.0-115			0.830	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1621580-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1621580-07 06/06/23 10:50 • (MS) R3933292-5 06/06/23 13:23 • (MSD) R3933292-6 06/06/23 13:27

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methane	67.8	27.3	92.0	96.0	95.4	101	1	50.0-150			4.26	20
Ethane	129	U	125	132	96.9	102	1	50.0-150			5.45	20
Ethene	127	U	124	132	97.6	104	1	50.0-150			6.25	20

L1622130-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622130-03 06/06/23 11:33 • (MS) R3933292-7 06/06/23 13:30 • (MSD) R3933292-8 06/06/23 13:33

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methane	67.8	U	68.2	71.9	101	106	1	50.0-150			5.28	20
Ethane	129	U	116	123	89.9	95.3	1	50.0-150			5.86	20
Ethene	127	U	116	123	91.3	96.9	1	50.0-150			5.86	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3933339-2 06/06/23 13:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methane	U		2.91	10.0
Ethane	U		4.07	13.0
Ethene	U		4.26	13.0

L1622131-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1622131-07 06/06/23 13:17 • (DUP) R3933339-3 06/06/23 13:49

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP RPD Limits %
Methane	U	U	1	0.000	20
Ethane	U	U	1	0.000	20
Ethene	U	U	1	0.000	20

L1622177-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1622177-06 06/06/23 13:52 • (DUP) R3933339-4 06/06/23 14:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP RPD Limits %
Methane	1110	1100	1	0.905	20
Ethane	U	U	1	0.000	20
Ethene	22.5	22.5	1	0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3933339-1 06/06/23 13:04 • (LCSD) R3933339-5 06/06/23 14:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	62.9	65.2	92.8	96.2	85.0-115			3.59	20
Ethane	129	112	111	86.8	86.0	85.0-115			0.897	20
Ethene	127	113	112	89.0	88.2	85.0-115			0.889	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3935361-2 06/08/23 10:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Benzene	U		0.0941	1.00
Bromochloromethane	U		0.128	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
Cyclohexane	U		0.188	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Isopropylbenzene	U		0.105	1.00
2-Butanone (MEK)	U		1.19	10.0
Methyl Acetate	U		1.29	20.0
Methyl Cyclohexane	U		0.660	1.00
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Styrene	U		0.118	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
Tetrachloroethene	U		0.300	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3935361-2 06/08/23 10:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	99.4			80.0-120
(S) 4-Bromofluorobenzene	94.9			77.0-126
(S) 1,2-Dichloroethane-d4	87.8			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3935361-1 06/08/23 09:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	29.7	119	19.0-160	
Benzene	5.00	4.88	97.6	70.0-123	
Bromochloromethane	5.00	5.32	106	76.0-122	
Bromodichloromethane	5.00	4.49	89.8	75.0-120	
Bromoform	5.00	4.54	90.8	68.0-132	
Bromomethane	5.00	5.48	110	10.0-160	
Carbon disulfide	5.00	5.03	101	61.0-128	
Carbon tetrachloride	5.00	5.05	101	68.0-126	
Chlorobenzene	5.00	4.89	97.8	80.0-121	
Chlorodibromomethane	5.00	4.54	90.8	77.0-125	
Chloroethane	5.00	5.39	108	47.0-150	
Chloroform	5.00	4.96	99.2	73.0-120	
Chloromethane	5.00	6.53	131	41.0-142	
Cyclohexane	5.00	4.78	95.6	71.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.92	98.4	58.0-134	
1,2-Dibromoethane	5.00	4.81	96.2	80.0-122	
1,2-Dichlorobenzene	5.00	5.13	103	79.0-121	
1,3-Dichlorobenzene	5.00	4.97	99.4	79.0-120	
1,4-Dichlorobenzene	5.00	5.05	101	79.0-120	
Dichlorodifluoromethane	5.00	4.39	87.8	51.0-149	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3935361-1 06/08/23 09:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,1-Dichloroethane	5.00	4.91	98.2	70.0-126	
1,2-Dichloroethane	5.00	4.82	96.4	70.0-128	
1,1-Dichloroethene	5.00	5.21	104	71.0-124	
cis-1,2-Dichloroethene	5.00	5.03	101	73.0-120	
trans-1,2-Dichloroethene	5.00	5.25	105	73.0-120	
1,2-Dichloropropane	5.00	4.60	92.0	77.0-125	
cis-1,3-Dichloropropene	5.00	4.48	89.6	80.0-123	
trans-1,3-Dichloropropene	5.00	4.59	91.8	78.0-124	
Ethylbenzene	5.00	4.90	98.0	79.0-123	
2-Hexanone	25.0	24.5	98.0	67.0-149	
Isopropylbenzene	5.00	4.95	99.0	76.0-127	
2-Butanone (MEK)	25.0	20.3	81.2	44.0-160	
Methyl Acetate	25.0	22.6	90.4	57.0-148	
Methyl Cyclohexane	5.00	4.77	95.4	68.0-126	
Methylene Chloride	5.00	4.71	94.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	23.0	92.0	68.0-142	
Methyl tert-butyl ether	5.00	4.92	98.4	68.0-125	
Styrene	5.00	4.45	89.0	73.0-130	
1,1,2,2-Tetrachloroethane	5.00	4.72	94.4	65.0-130	
Tetrachloroethene	5.00	5.11	102	72.0-132	
Toluene	5.00	4.87	97.4	79.0-120	
1,2,3-Trichlorobenzene	5.00	5.53	111	50.0-138	
1,2,4-Trichlorobenzene	5.00	5.28	106	57.0-137	
1,1,1-Trichloroethane	5.00	5.21	104	73.0-124	
1,1,2-Trichloroethane	5.00	4.81	96.2	80.0-120	
Trichloroethene	5.00	4.91	98.2	78.0-124	
Trichlorofluoromethane	5.00	5.18	104	59.0-147	
1,1,2-Trichlorotrifluoroethane	5.00	4.96	99.2	69.0-132	
Vinyl chloride	5.00	5.50	110	67.0-131	
Xylenes, Total	15.0	14.9	99.3	79.0-123	
(S) Toluene-d8			98.8	80.0-120	
(S) 4-Bromofluorobenzene			95.8	77.0-126	
(S) 1,2-Dichloroethane-d4			90.4	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3935528-2 06/11/23 22:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chlorobenzene	U		0.116	1.00
(S) Toluene-d8	117			80.0-120
(S) 4-Bromofluorobenzene	99.2			77.0-126
(S) 1,2-Dichloroethane-d4	82.4			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3935528-1 06/11/23 21:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chlorobenzene	5.00	5.18	104	80.0-121	
(S) Toluene-d8			112	80.0-120	
(S) 4-Bromofluorobenzene			96.9	77.0-126	
(S) 1,2-Dichloroethane-d4			83.6	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

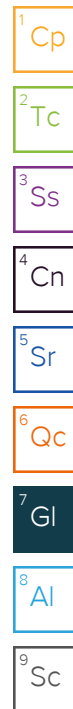
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

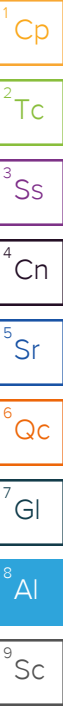
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Arcadis - Chevron - NY						Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129						Pres Chk		Analysis / Container / Preservative										Chain of Custody Page ____ of ____															
Report to: Max Mansilla						Email To: maxwell.mansilla@arcadis.com;alex.newbrough								PH-10BDH4321 TRC-2144141 CR6-220221V										 PEOPLE ADVANCING SCIENCE															
Project Description: POD 4 - Oceanside 6518040						City/State Collected:						Please Circle: PT MT CT ET												MT JULIET, TN															
Phone:						Client Project # 30062947.19.45						Lab Project # CHEVARCNY-6518040																12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf											
Collected by (print): Shanna Torhan						Site/Facility ID # 6518040						P.O. #																SDG # L162217											
Collected by (signature): 						Rush? (Lab MUST Be Notified) ____ Same Day ____ Five Day ____ Next Day ____ 5 Day (Rad Only) ____ Two Day ____ 10 Day (Rad Only) ____ Three Day						Quote #																D180											
Immediately Packed on Ice N ____ Y ____						Date Results Needed 5/31/23						No. of Cntrs																Acctnum: CHEVARCNY											
Sample ID						Comp/Grab		Matrix *		Depth		Date		Time														Template: T182105											
MW-27-D2-W- 230531						6		GW				5/31/23		2245		11		ALK, CI, CO2, SULFATE 250mlHDPE-NoPres		FEICP, MNICP, NAICP 250mlHDPE-HNO3		FERUSFE, FERIGFE 250mlAmb-HCI		NO2NO3 250mlHDPE-H2SO4		RSK175 40mlAmb HCI		SULFIDE 250mlAmb-S-NaOH+ZnAc		TOC 250mlHDPE-HCI		V8260TCLC 40mlAmb-HCI		V8260TCLC-TripBlank 40mlAmb-HCI-BIK				Prelogin: P1003138	
MW-28-D2R-W-								GW								11		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		PM: 526 - Chris McCorr					
MW-24-D2-W- 230531						6		GW				5/31/23		2320		11		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		PB: 5/26/23 Ca					
MW-24-VDR-W- 230531						6		GW				5/31/23		2315		11		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		Shipped Via: FedEX Priority					
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MW-26-D2-W-								GW								11		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		X X X X X X X X X X X X X X		-04					
* Matrix:						Remarks:						pH _____ Temp _____						Flow _____ Other _____						Sample Receipt Checklist															
SS - Soil AIR - Air F - Filter						GW - Groundwater B - Bioassay						WW - WasteWater						DW - Drinking Water						OT - Other _____						COC Seal Present/Intact: NP Y N									
Samples returned via:						Tracking #																		COC Signed/Accurate: Y N															
Relinquished by : (Signature)						Date: 6/1/23 Time: 1530						Received by: (Signature)						Trip Blank Received: Yes/ No HCl/ Me																					

Company Name/Address: Arcadis - Chevron - NY				Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page ____ of ____			
Report to: Max Mansilla				Email To: maxwell.mansilla@arcadis.com;alex.newbrough						ALK,CI,CO2,SULFATE 250mlHDPE-NoPres FEICP,MN1CP,NA1CP 250mlHDPE-HNO3 FERUSFE,FERICFE 250mlAmb-HCI NO2NO3 250mlHDPE-H2SO4 RSK175 40mlAmb HCI SULFIDE 250mlAmb-S-NaOH+ZnAc TOC 250mlHDPE-HCI V8260TCLC 40mlAmb-HCI V8260TCLC-TripBlank 40mlAmb-HCI-Blk 12 12										Pace PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf			
Project Description: POD 4 - Oceanside 6518040				City/State Collected:		Please Circle: PT MT CT ET														SDG # 11622177		Table #	
Phone: 5		Client Project # 30062947.19.45		Lab Project # CHEVARCNY-6518040																Acctnum: CHEVARCNY Template: T182105 Prelogin: P1003138 PM: 526 - Chris McCord PB: 5/26/23 Cam		Shipped Via: FedEX Priority	
Collected by (print): 		Site/Facility ID # 6518040		P.O. #																Remarks		Sample # (lab only)	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs															
Immediately Packed on Ice N ____ Y ____																							
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK,CI,CO2,SULFATE 250mlHDPE-NoPres	FEICP,MN1CP,NA1CP 250mlHDPE-HNO3	FERUSFE,FERICFE 250mlAmb-HCI	NO2NO3 250mlHDPE-H2SO4	RSK175 40mlAmb HCI	SULFIDE 250mlAmb-S-NaOH+ZnAc	TOC 250mlHDPE-HCI	V8260TCLC 40mlAmb-HCI	V8260TCLC-TripBlank 40mlAmb-HCI-Blk	Remarks	Sample # (lab only)					
MW-23-D2R-W-			GW				11	X	X	X	X	X	X	X	X								
AMW-15-D2-W-			GW				11	X	X	X	X	X	X	X	X								
AMW-15-D3-W-			GW				11	X	X	X	X	X	X	X	X								
MW-23-D1R-W-			GW				11	X	X	X	X	X	X	X	X								
AMW-15-D1-W-			GW				11	X	X	X	X	X	X	X	X								
MW-27-D1R-W- 230531		6	GW		5/31/23	2248	11	X	X	X	X	X	X	X	X			-06					
MW-26-D1-W-			GW				11	X	X	X	X	X	X	X	X								
MW-29-D1-W-			GW				11	X	X	X	X	X	X	X	X								
AMW-14-D1-W- 230531		6	GW		5/31/23	2145	11	X	X	X	X	X	X	X	X			-07					
MW-24-D1R-W- 230531		6	GW		5/31/23	2345	11	X	X	X	X	X	X	X	X			-08					
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks: pH _____ Temp _____ Flow _____ Other _____										Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N RAD Screen <0.5 mR/hr: ☐ Y ☐ N											
Relinquished by: (Signature) 		Date: 6/1/23		Time: 1530		Received by: (Signature) 		Trip Blank Received: ☒ Yes / No 3 ☐ HCL / MeOH TBR		If preservation required by Login: Date/Time													
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: _____ °C Bottles Received: 116		Hold:													
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 6/2/23 Time: 900		Condition: NCF / OK													

Company Name/Address: Arcadis - Chevron - NY				Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129				Pres Chk 12 12		Analysis / Container / Preservative ALK, CI, CO2, SULFATE 250mlHDPE-NoPres FEICP, MNICP, NAICP 250mlHDPE-HNO3 FERUSFE, FERICFE 250mlAmb-HCl NO2NO3 250mlHDPE-H2SO4 RSK175 40mlAmb HCl SULFIDE 250mlAmb-S-NaOH+ZnAc TOC 250mlHDPE-HCl V8260TCLC 40mlAmb-HCl V8260TCLC-TripBlank 40mlAmb-HCl-Bik										Chain of Custody Page <u> </u> of <u> </u> PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf	
Report to: Max Mansilla				Email To: maxwell.mansilla@arcadis.com; alex.newbrough																	
Project Description: POD 4 - Oceanside 6518040				City/State Collected:		Please Circle: PT MT CT ET															
Phone:		Client Project # 30062947.19.45		Lab Project # CHEVARCNY-6518040																	
Collected by (print): <i>Shannon Torhan</i>		Site/Facility ID # 6518040		P.O. #																	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs													
Immediately Packed on Ice N ☐ Y ☒																					
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK, CI, CO2, SULFATE 250mlHDPE-NoPres	FEICP, MNICP, NAICP 250mlHDPE-HNO3	FERUSFE, FERICFE 250mlAmb-HCl	NO2NO3 250mlHDPE-H2SO4	RSK175 40mlAmb HCl	SULFIDE 250mlAmb-S-NaOH+ZnAc	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	V8260TCLC-TripBlank 40mlAmb-HCl-Bik	Remarks		Sample # (lab only)		
MW-18R-W- 230531		6	GW		5/31/23	2115	16	X	X	X	X	X	X	X	X				-09		
BD-W- 230531		6	GW		5/31/23		11	X	X	X	X	X	X	X	X				-10		
FB-W- 230531		6	GW		5/31/23	2350	11	X	X	X	X	X	X	X	X				-11		
FB-W-			GW				11	X	X	X	X	X	X	X	X						
FB-W-			GW				11	X	X	X	X	X	X	X	X						
			GW				11	X	X	X	X	X	X	X	X						
			GW				11	X	X	X	X	X	X	X	X						
TB-W- 230531		DI	GW		5/31/23		13									X			-12		
TB-W-			GW				1									X					
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☐ FedEx ☐ Courier Tracking #										pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ Y ☐ N COC Signed/Accurate: ☒ ☐ N Bottles arrive intact: ☒ ☐ N Correct bottles used: ☒ ☐ N Sufficient volume sent: ☒ ☐ N If Applicable VOA Zero Headspace: ☒ ☐ N Preservation Correct/Checked: ☒ ☐ N RAD Screen <0.5 mR/hr: ☒ ☐ N							
Relinquished by : (Signature) 		Date: 6/1/23	Time: 1530	Received by: (Signature) 		Trip Blank Received: ☒ Yes / ☐ No HCl / MeOH TBR															
Relinquished by : (Signature)		Date:	Time:	Received by: (Signature)		Temp: _____ °C Bottles Received: 116		If preservation required by Login: Date/Time													
Relinquished by : (Signature)		Date:	Time:	Received for lab by: (Signature) 		Date: 6/2/23 Time: 900		Hold:		Condition: ☒ NCF / ☐ OK											

L1622177

<u>Tracking Numbers</u>	<u>Temperature</u>
6481 5473 4527	NSA7 $4.3+0=4.3$
6481 5473 4516	NSA7 $3.3+0=3.3$
6481 5473 4538	NSA7 $1.5+0=1.5$

06/02/23 - NCF L1622177 CHEVARCNY

R2/R3/R4/RX/EX

Time estimate: oh

Time spent: oh

Members



Deanna Ramsey (responsible)



Christopher McCord

- ☒ Login Clarification needed
- ☐ Chain of custody is incomplete
- ☐ Please specify Metals requested
- ☐ Please specify TCLP requested
- ☐ Received additional samples not listed on COC
- ☐ Sample IDs on containers do not match IDs on COC
- ☐ Client did not "X" analysis
- ☐ Chain of Custody is missing
- ☐ If no COC: Received by: _____
- ☐ If no COC: Date/Time: _____
- ☐ If no COC: Temp./Cont.Rec./pH: _____
- ☐ If no COC: Carrier: _____
- ☐ If no COC: Tracking #: _____
- ☐ Client informed by call
- ☒ Client informed by Email
- ☐ Client informed by Voicemail
- ☒ Date/Time: 6/1/23 18:22
- ☒ PM initials: CM
- ☒ Client Contact: Max Mansilla

Comments

*Deanna Ramsey**2 June 2023 2:49 PM*

For ID:MW-18r-w-230531 did not receive 250mlHDPE-H₂SO₄ for NO₂NO₃ analysis,
250mlAMB-HCL for FERUSFE Analysis,250mlHDPE-NoPres for Wetchem testing

*Deanna Ramsey**2 June 2023 3:18 PM*

also did not receive sulfide container or toc container

*Christopher McCord**5 June 2023 12:29 PM*

These tests were not able to be collected due to volume.

*Troy Dunlap**5 June 2023 2:22 PM*

Done.

Arcadis - Chevron - NY

Sample Delivery Group: L1622529
Samples Received: 06/03/2023
Project Number: 30062947.19.45
Description: POD 4 - Oceanside 6518040
Site: 6518040
Report To: Max Mansilla

Entire Report Reviewed By:



Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

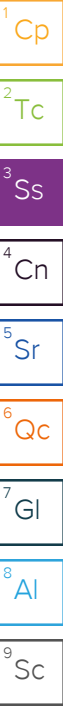
SAMPLE SUMMARY

MW-28-D2R-W-230601 L1622529-01 GW

Collected by
Collected date/time
Received date/time

06/01/23 22:30 06/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2072059	1	06/09/23 21:41	06/09/23 21:41	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2075755	1	06/12/23 10:24	06/12/23 10:24	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2075755	1	06/12/23 10:24	06/12/23 10:24	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2071170	1	06/03/23 15:16	06/03/23 15:16	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071369	1	06/06/23 23:40	06/06/23 23:40	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2071149	1	06/03/23 15:54	06/03/23 15:54	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	10	06/12/23 17:18	06/12/23 17:18	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076053	2	06/18/23 09:44	06/18/23 09:44	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	1	06/09/23 08:38	06/09/23 21:41	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	5	06/09/23 08:38	06/12/23 01:15	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2072596	1	06/07/23 10:34	06/07/23 10:34	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/08/23 22:00	06/08/23 22:00	JCP	Mt. Juliet, TN



AMW-15-VD-W-230601 L1622529-02 GW

Collected by
Collected date/time
Received date/time

06/01/23 20:55 06/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2072059	1	06/09/23 21:45	06/09/23 21:45	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2075755	1	06/12/23 10:35	06/12/23 10:35	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2075755	1	06/12/23 10:35	06/12/23 10:35	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2071170	5	06/03/23 15:17	06/03/23 15:17	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071369	1	06/06/23 23:41	06/06/23 23:41	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2071149	1	06/03/23 15:55	06/03/23 15:55	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	100	06/12/23 17:31	06/12/23 17:31	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076053	1	06/18/23 10:09	06/18/23 10:09	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	1	06/09/23 08:38	06/09/23 21:45	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	20	06/09/23 08:38	06/12/23 01:18	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2072596	1	06/07/23 10:37	06/07/23 10:37	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/08/23 22:19	06/08/23 22:19	JCP	Mt. Juliet, TN

AMW-7R-W-230601 L1622529-03 GW

Collected by
Collected date/time
Received date/time

06/01/23 19:25 06/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2072059	1	06/09/23 21:47	06/09/23 21:47	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2075755	1	06/12/23 10:40	06/12/23 10:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2075755	1	06/12/23 10:40	06/12/23 10:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2071170	5	06/03/23 15:17	06/03/23 15:17	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071369	1	06/06/23 23:42	06/06/23 23:42	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2071149	1	06/03/23 15:55	06/03/23 15:55	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	1	06/12/23 17:43	06/12/23 17:43	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076053	1	06/18/23 11:31	06/18/23 11:31	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	1	06/09/23 08:38	06/09/23 21:47	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2073383	1	06/08/23 09:58	06/08/23 09:58	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/08/23 22:38	06/08/23 22:38	JCP	Mt. Juliet, TN

MW-28-D1-W-230601 L1622529-04 GW

Collected by
Collected date/time
Received date/time

06/01/23 19:55 06/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2072059	1	06/09/23 21:50	06/09/23 21:50	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2075755	1	06/12/23 10:43	06/12/23 10:43	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2075755	1	06/12/23 10:43	06/12/23 10:43	ARD	Mt. Juliet, TN

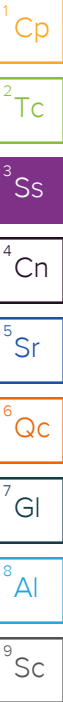
SAMPLE SUMMARY

MW-28-D1-W-230601 L1622529-04 GW

Collected by
Collected date/time
Received date/time

06/01/23 19:55 06/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3500Fe B-2011	WG2071170	1	06/03/23 15:17	06/03/23 15:17	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071369	2	06/06/23 23:44	06/06/23 23:44	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2071149	50	06/03/23 15:56	06/03/23 15:56	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	10	06/12/23 18:09	06/12/23 18:09	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	100	06/12/23 18:46	06/12/23 18:46	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076053	1	06/18/23 11:58	06/18/23 11:58	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	1	06/09/23 08:38	06/09/23 21:50	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	5	06/09/23 08:38	06/12/23 01:21	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2073383	1	06/08/23 10:00	06/08/23 10:00	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/08/23 22:58	06/08/23 22:58	JCP	Mt. Juliet, TN



MW-23-D2R-W-230601 L1622529-06 GW

Collected by
Collected date/time
Received date/time

06/01/23 22:15 06/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2072059	1	06/09/23 21:30	06/09/23 21:30	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2075755	1	06/12/23 10:47	06/12/23 10:47	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2075755	1	06/12/23 10:47	06/12/23 10:47	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2071170	1	06/03/23 15:18	06/03/23 15:18	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071369	1	06/06/23 23:45	06/06/23 23:45	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2071149	1	06/03/23 15:56	06/03/23 15:56	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	10	06/12/23 18:59	06/12/23 18:59	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076053	1	06/18/23 12:22	06/18/23 12:22	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	1	06/09/23 08:38	06/09/23 21:30	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	5	06/09/23 08:38	06/12/23 01:12	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2073383	1	06/08/23 10:03	06/08/23 10:03	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/08/23 23:17	06/08/23 23:17	JCP	Mt. Juliet, TN

AMW-15-D2-W-230601 L1622529-07 GW

Collected by
Collected date/time
Received date/time

06/01/23 21:25 06/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2072059	1	06/09/23 21:58	06/09/23 21:58	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2075755	1	06/12/23 10:51	06/12/23 10:51	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2075755	1	06/12/23 10:51	06/12/23 10:51	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2071150	1	06/03/23 18:01	06/03/23 18:01	SDE	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071369	2	06/06/23 23:46	06/06/23 23:46	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2071149	20	06/03/23 15:57	06/03/23 15:57	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	10	06/12/23 19:11	06/12/23 19:11	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	100	06/12/23 19:24	06/12/23 19:24	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076053	1	06/18/23 13:55	06/18/23 13:55	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	1	06/09/23 08:38	06/09/23 21:58	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	5	06/09/23 08:38	06/12/23 01:24	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2073383	1	06/08/23 10:06	06/08/23 10:06	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/08/23 23:36	06/08/23 23:36	JCP	Mt. Juliet, TN

AMW-15-D3-W-230601 L1622529-08 GW

Collected by
Collected date/time
Received date/time

06/01/23 21:00 06/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2072059	1	06/09/23 22:01	06/09/23 22:01	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2075755	1	06/12/23 10:55	06/12/23 10:55	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2075755	1	06/12/23 10:55	06/12/23 10:55	ARD	Mt. Juliet, TN

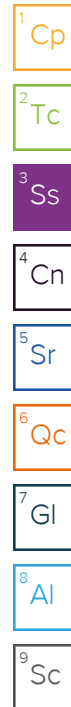
SAMPLE SUMMARY

AMW-15-D3-W-230601 L1622529-08 GW

Collected by
Collected date/time
Received date/time

06/01/23 21:00 06/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3500Fe B-2011	WG2071170	1	06/03/23 15:18	06/03/23 15:18	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071369	2	06/06/23 23:48	06/06/23 23:48	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2071149	1	06/03/23 15:58	06/03/23 15:58	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	10	06/12/23 19:37	06/12/23 19:37	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	100	06/12/23 19:49	06/12/23 19:49	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076053	1	06/18/23 14:25	06/18/23 14:25	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	1	06/09/23 08:38	06/09/23 22:01	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	5	06/09/23 08:38	06/12/23 01:27	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2073383	1	06/08/23 10:09	06/08/23 10:09	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/08/23 23:55	06/08/23 23:55	JCP	Mt. Juliet, TN



MW-23-D1R-W-230601 L1622529-09 GW

Collected by
Collected date/time
Received date/time

06/01/23 21:50 06/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2072059	1	06/09/23 22:04	06/09/23 22:04	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2075755	1	06/12/23 11:06	06/12/23 11:06	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2075755	1	06/12/23 11:06	06/12/23 11:06	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2071170	1	06/03/23 15:19	06/03/23 15:19	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071369	1	06/06/23 23:49	06/06/23 23:49	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2071149	1	06/03/23 15:59	06/03/23 15:59	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	10	06/12/23 20:02	06/12/23 20:02	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076053	1	06/18/23 14:53	06/18/23 14:53	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	1	06/09/23 08:38	06/09/23 22:04	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2073383	1	06/08/23 10:13	06/08/23 10:13	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/09/23 00:14	06/09/23 00:14	JCP	Mt. Juliet, TN

AMW-15-D1-W-230601 L1622529-10 GW

Collected by
Collected date/time
Received date/time

06/01/23 21:40 06/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2072059	1	06/09/23 22:07	06/09/23 22:07	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2075755	1	06/12/23 11:12	06/12/23 11:12	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2075755	1	06/12/23 11:12	06/12/23 11:12	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2071170	1	06/03/23 15:19	06/03/23 15:19	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071369	1	06/06/23 23:50	06/06/23 23:50	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2071149	50	06/03/23 15:59	06/03/23 15:59	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	10	06/12/23 20:14	06/12/23 20:14	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	100	06/12/23 20:27	06/12/23 20:27	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076053	1	06/18/23 15:23	06/18/23 15:23	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	1	06/09/23 08:38	06/09/23 22:07	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	5	06/09/23 08:38	06/12/23 01:30	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2073383	1	06/08/23 10:15	06/08/23 10:15	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/09/23 00:33	06/09/23 00:33	JCP	Mt. Juliet, TN

MW-26-D1-W-230601 L1622529-11 GW

Collected by
Collected date/time
Received date/time

06/01/23 20:30 06/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2072059	1	06/09/23 22:10	06/09/23 22:10	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2075755	1	06/12/23 11:17	06/12/23 11:17	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2075755	1	06/12/23 11:17	06/12/23 11:17	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2071150	1	06/03/23 18:01	06/03/23 18:01	SDE	Mt. Juliet, TN

SAMPLE SUMMARY

MW-26-D1-W-230601 L1622529-11 GW

				Collected by	Collected date/time	Received date/time
					06/01/23 20:30	06/03/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 353.2	WG2071369	2	06/06/23 23:55	06/06/23 23:55	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2071149	1	06/03/23 16:00	06/03/23 16:00	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	10	06/12/23 20:40	06/12/23 20:40	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	50	06/12/23 21:17	06/12/23 21:17	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076053	1	06/18/23 15:47	06/18/23 15:47	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	1	06/09/23 08:38	06/09/23 22:10	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	5	06/09/23 08:38	06/12/23 01:33	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2073383	1	06/08/23 10:18	06/08/23 10:18	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2073981	10	06/08/23 13:26	06/08/23 13:26	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/09/23 00:52	06/09/23 00:52	JCP	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

MW-29-D1-W-230601 L1622529-12 GW

				Collected by	Collected date/time	Received date/time
					06/01/23 22:50	06/03/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2072059	1	06/09/23 22:13	06/09/23 22:13	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2075755	1	06/12/23 11:21	06/12/23 11:21	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2075755	1	06/12/23 11:21	06/12/23 11:21	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2071170	1	06/03/23 15:20	06/03/23 15:20	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071369	1	06/06/23 23:57	06/06/23 23:57	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2071149	1	06/03/23 16:01	06/03/23 16:01	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	5	06/12/23 21:30	06/12/23 21:30	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076053	1	06/18/23 16:08	06/18/23 16:08	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	1	06/09/23 08:38	06/09/23 22:13	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2073383	1	06/08/23 10:32	06/08/23 10:32	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/09/23 01:11	06/09/23 01:11	JCP	Mt. Juliet, TN

⁷ Gl

⁸ Al

⁹ Sc

FB-W-230601 L1622529-13 GW

				Collected by	Collected date/time	Received date/time
					06/01/23 23:30	06/03/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2072059	1	06/09/23 22:16	06/09/23 22:16	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2075755	1	06/12/23 11:25	06/12/23 11:25	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2075755	1	06/12/23 11:25	06/12/23 11:25	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2071170	1	06/03/23 15:20	06/03/23 15:20	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2071369	1	06/06/23 23:58	06/06/23 23:58	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2071149	1	06/03/23 16:01	06/03/23 16:01	SDE	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2075876	1	06/12/23 21:43	06/12/23 21:43	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2076053	1	06/18/23 16:26	06/18/23 16:26	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2072059	1	06/09/23 08:38	06/09/23 22:16	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2073383	1	06/08/23 10:41	06/08/23 10:41	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/08/23 21:40	06/08/23 21:40	JCP	Mt. Juliet, TN

TB-01-W-230601 L1622529-18 GW

				Collected by	Collected date/time	Received date/time
					06/01/23 00:00	06/03/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/08/23 20:24	06/08/23 20:24	JCP	Mt. Juliet, TN

SAMPLE SUMMARY

TB-02-W-230601 L1622529-19 GW

				Collected by	Collected date/time	Received date/time
					06/01/23 00:00	06/03/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/08/23 20:43	06/08/23 20:43	JCP	Mt. Juliet, TN

TB-03-W-230601 L1622529-20 GW

				Collected by	Collected date/time	Received date/time
					06/01/23 00:00	06/03/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/08/23 21:02	06/08/23 21:02	JCP	Mt. Juliet, TN

TB-04-W-230601 L1622529-21 GW

				Collected by	Collected date/time	Received date/time
					06/01/23 00:00	06/03/23 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2074125	1	06/08/23 21:21	06/08/23 21:21	JCP	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

Sample Delivery Group (SDG) Narrative

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2071150	3500Fe B-2011	L1622529-07, 11
WG2071170	3500Fe B-2011	L1622529-01, 02, 03, 04, 06, 08, 09, 10, 12, 13
WG2075755	4500CO2 D-2011	L1622529-01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 12, 13

The laboratory analysis was performed from an unpreserved, insufficiently or inadequately preserved sample.

Batch	Method	Lab Sample ID
WG2076053	9060A	L1622529-03, 04, 12

Wet Chemistry by Method 9060A

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2076053	TOC (Total Organic Carbon)	L1622529-13

Metals (ICP) by Method 6010D

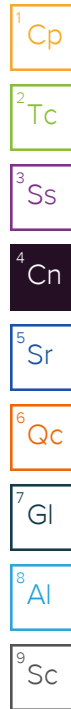
The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2072059	(MS) R3935322-4, (MSD) R3935322-5	Sodium

Volatile Organic Compounds (GC) by Method RSK175

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2072596	(MS) R3933736-5, (MSD) R3933736-6	Methane



CASE NARRATIVE

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

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2074125	L1622529-01	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-02	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-03	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-04	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-06	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-07	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-08	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-09	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-10	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-11	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-12	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-13	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-18	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-19	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-20	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane
WG2074125	L1622529-21	Acetone, Bromomethane, Chloroethane, Methyl tert-butyl ether and Trichlorofluoromethane

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		15.0	50.0	1	06/09/2023 21:41	WG2072059

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	158000		20000	1	06/12/2023 10:24		WG2075755
Free Carbon Dioxide	40100	B T8	20000	1	06/12/2023 10:24		WG2075755

Sample Narrative:

L1622529-01 WG2075755: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	493	T8	15.0	50.0	1	06/03/2023 15:16	WG2071170

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/06/2023 23:40	WG2071369

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	06/03/2023 15:54	WG2071149

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1730000		3790	10000	10	06/12/2023 17:18	WG2075876
Sulfate	221000		5940	50000	10	06/12/2023 17:18	WG2075876

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	6790		204	2000	2	06/18/2023 09:44	WG2076053

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	453		18.0	100	1	06/09/2023 21:41	WG2072059
Manganese	174		0.934	10.0	1	06/09/2023 21:41	WG2072059
Sodium	1130000		2520	15000	5	06/12/2023 01:15	WG2072059

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	434		2.91	10.0	1	06/07/2023 10:34	WG2072596
Ethane	U		4.07	13.0	1	06/07/2023 10:34	WG2072596
Ethene	U		4.26	13.0	1	06/07/2023 10:34	WG2072596

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/08/2023 22:00	WG2074125
Benzene	U		0.0941	1.00	1	06/08/2023 22:00	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/08/2023 22:00	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 22:00	WG2074125
Bromoform	U		0.129	1.00	1	06/08/2023 22:00	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/08/2023 22:00	WG2074125
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 22:00	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 22:00	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/08/2023 22:00	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 22:00	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/08/2023 22:00	WG2074125
Chloroform	U		0.111	5.00	1	06/08/2023 22:00	WG2074125
Chloromethane	U		0.960	2.50	1	06/08/2023 22:00	WG2074125
Cyclohexane	U		0.188	1.00	1	06/08/2023 22:00	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 22:00	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 22:00	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 22:00	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 22:00	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 22:00	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 22:00	WG2074125
1,1-Dichloroethane	0.634	J	0.100	1.00	1	06/08/2023 22:00	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 22:00	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 22:00	WG2074125
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 22:00	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 22:00	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 22:00	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 22:00	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 22:00	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/08/2023 22:00	WG2074125
2-Hexanone	U		0.787	10.0	1	06/08/2023 22:00	WG2074125
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 22:00	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 22:00	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/08/2023 22:00	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 22:00	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/08/2023 22:00	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 22:00	WG2074125
Methyl tert-butyl ether	0.311	C3 J	0.101	1.00	1	06/08/2023 22:00	WG2074125
Styrene	U		0.118	1.00	1	06/08/2023 22:00	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 22:00	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 22:00	WG2074125
Toluene	U		0.278	1.00	1	06/08/2023 22:00	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 22:00	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 22:00	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 22:00	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 22:00	WG2074125
Trichloroethene	U		0.190	1.00	1	06/08/2023 22:00	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/08/2023 22:00	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 22:00	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/08/2023 22:00	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/08/2023 22:00	WG2074125
(S) Toluene-d8	112			80.0-120		06/08/2023 22:00	WG2074125
(S) 4-Bromofluorobenzene	99.9			77.0-126		06/08/2023 22:00	WG2074125
(S) 1,2-Dichloroethane-d4	126			70.0-130		06/08/2023 22:00	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	2510		18.0	100	1	06/09/2023 21:45	WG2072059

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	664000		20000	1	06/12/2023 10:35		WG2075755
Free Carbon Dioxide	44000	B T8	20000	1	06/12/2023 10:35		WG2075755

Sample Narrative:

L1622529-02 WG2075755: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	6040	T8	75.0	250	5	06/03/2023 15:17	WG2071170

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		50.0	100	1	06/06/2023 23:41	WG2071369

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	U		25.0	50.0	1	06/03/2023 15:55	WG2071149

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	16400000		37900	100000	100	06/12/2023 17:31	WG2075876
Sulfate	1880000		59400	500000	100	06/12/2023 17:31	WG2075876

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	7850		102	1000	1	06/18/2023 10:09	WG2076053

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	8550		18.0	100	1	06/09/2023 21:45	WG2072059
Manganese	311		0.934	10.0	1	06/09/2023 21:45	WG2072059
Sodium	8410000		10100	60000	20	06/12/2023 01:18	WG2072059

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	38.9		2.91	10.0	1	06/07/2023 10:37	WG2072596
Ethane	U		4.07	13.0	1	06/07/2023 10:37	WG2072596
Ethene	U		4.26	13.0	1	06/07/2023 10:37	WG2072596

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/08/2023 22:19	WG2074125
Benzene	U		0.0941	1.00	1	06/08/2023 22:19	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/08/2023 22:19	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 22:19	WG2074125
Bromoform	U		0.129	1.00	1	06/08/2023 22:19	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/08/2023 22:19	WG2074125
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 22:19	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 22:19	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/08/2023 22:19	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 22:19	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/08/2023 22:19	WG2074125
Chloroform	U		0.111	5.00	1	06/08/2023 22:19	WG2074125
Chloromethane	U		0.960	2.50	1	06/08/2023 22:19	WG2074125
Cyclohexane	U		0.188	1.00	1	06/08/2023 22:19	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 22:19	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 22:19	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 22:19	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 22:19	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 22:19	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 22:19	WG2074125
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 22:19	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 22:19	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 22:19	WG2074125
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 22:19	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 22:19	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 22:19	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 22:19	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 22:19	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/08/2023 22:19	WG2074125
2-Hexanone	U		0.787	10.0	1	06/08/2023 22:19	WG2074125
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 22:19	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 22:19	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/08/2023 22:19	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 22:19	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/08/2023 22:19	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 22:19	WG2074125
Methyl tert-butyl ether	0.190	C3 J	0.101	1.00	1	06/08/2023 22:19	WG2074125
Styrene	U		0.118	1.00	1	06/08/2023 22:19	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 22:19	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 22:19	WG2074125
Toluene	U		0.278	1.00	1	06/08/2023 22:19	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 22:19	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 22:19	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 22:19	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 22:19	WG2074125
Trichloroethene	U		0.190	1.00	1	06/08/2023 22:19	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/08/2023 22:19	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 22:19	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/08/2023 22:19	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/08/2023 22:19	WG2074125
(S) Toluene-d8	114			80.0-120		06/08/2023 22:19	WG2074125
(S) 4-Bromofluorobenzene	99.9			77.0-126		06/08/2023 22:19	WG2074125
(S) 1,2-Dichloroethane-d4	124			70.0-130		06/08/2023 22:19	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	1840		18.0	100	1	06/09/2023 21:47	WG2072059

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	516000		20000	1	06/12/2023 10:40		WG2075755
Free Carbon Dioxide	55400	B T8	20000	1	06/12/2023 10:40		WG2075755

Sample Narrative:

L1622529-03 WG2075755: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	2430	T8	75.0	250	5	06/03/2023 15:17	WG2071170

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	172		50.0	100	1	06/06/2023 23:42	WG2071369

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	U		25.0	50.0	1	06/03/2023 15:55	WG2071149

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	75700		379	1000	1	06/12/2023 17:43	WG2075876
Sulfate	163000		594	5000	1	06/12/2023 17:43	WG2075876

Wet Chemistry by Method 9060A

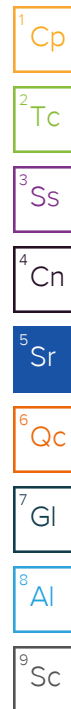
	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	13400		102	1000	1	06/18/2023 11:31	WG2076053

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	4270		18.0	100	1	06/09/2023 21:47	WG2072059
Manganese	1150		0.934	10.0	1	06/09/2023 21:47	WG2072059
Sodium	99700		504	3000	1	06/09/2023 21:47	WG2072059

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	1790		2.91	10.0	1	06/08/2023 09:58	WG2073383
Ethane	U		4.07	13.0	1	06/08/2023 09:58	WG2073383
Ethene	U		4.26	13.0	1	06/08/2023 09:58	WG2073383



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/08/2023 22:38	WG2074125
Benzene	U		0.0941	1.00	1	06/08/2023 22:38	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/08/2023 22:38	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 22:38	WG2074125
Bromoform	U		0.129	1.00	1	06/08/2023 22:38	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/08/2023 22:38	WG2074125
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 22:38	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 22:38	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/08/2023 22:38	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 22:38	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/08/2023 22:38	WG2074125
Chloroform	U		0.111	5.00	1	06/08/2023 22:38	WG2074125
Chloromethane	U		0.960	2.50	1	06/08/2023 22:38	WG2074125
Cyclohexane	1.74		0.188	1.00	1	06/08/2023 22:38	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 22:38	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 22:38	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 22:38	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 22:38	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 22:38	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 22:38	WG2074125
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 22:38	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 22:38	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 22:38	WG2074125
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 22:38	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 22:38	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 22:38	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 22:38	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 22:38	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/08/2023 22:38	WG2074125
2-Hexanone	U		0.787	10.0	1	06/08/2023 22:38	WG2074125
Isopropylbenzene	0.910	U	0.105	1.00	1	06/08/2023 22:38	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 22:38	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/08/2023 22:38	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 22:38	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/08/2023 22:38	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 22:38	WG2074125
Methyl tert-butyl ether	U	C3	0.101	1.00	1	06/08/2023 22:38	WG2074125
Styrene	U		0.118	1.00	1	06/08/2023 22:38	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 22:38	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 22:38	WG2074125
Toluene	U		0.278	1.00	1	06/08/2023 22:38	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 22:38	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 22:38	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 22:38	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 22:38	WG2074125
Trichloroethene	U		0.190	1.00	1	06/08/2023 22:38	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/08/2023 22:38	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 22:38	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/08/2023 22:38	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/08/2023 22:38	WG2074125
(S) Toluene-d8	105			80.0-120		06/08/2023 22:38	WG2074125
(S) 4-Bromofluorobenzene	90.3			77.0-126		06/08/2023 22:38	WG2074125
(S) 1,2-Dichloroethane-d4	122			70.0-130		06/08/2023 22:38	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	116		15.0	50.0	1	06/09/2023 21:50	WG2072059

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	736000		20000	1	06/12/2023 10:43		WG2075755
Free Carbon Dioxide	118000	B T8	20000	1	06/12/2023 10:43		WG2075755

Sample Narrative:

L1622529-04 WG2075755: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	265	T8	15.0	50.0	1	06/03/2023 15:17	WG2071170

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		100	200	2	06/06/2023 23:44	WG2071369

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	9370		1250	2500	50	06/03/2023 15:56	WG2071149

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	3680000		37900	100000	100	06/12/2023 18:46	WG2075876
Sulfate	177000		5940	50000	10	06/12/2023 18:09	WG2075876

Wet Chemistry by Method 9060A

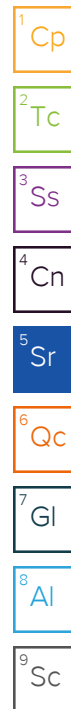
	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	12700		102	1000	1	06/18/2023 11:58	WG2076053

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	381		18.0	100	1	06/09/2023 21:50	WG2072059
Manganese	75.8		0.934	10.0	1	06/09/2023 21:50	WG2072059
Sodium	2010000		2520	15000	5	06/12/2023 01:21	WG2072059

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	1640		2.91	10.0	1	06/08/2023 10:00	WG2073383
Ethane	U		4.07	13.0	1	06/08/2023 10:00	WG2073383
Ethene	U		4.26	13.0	1	06/08/2023 10:00	WG2073383



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/08/2023 22:58	WG2074125
Benzene	3.87		0.0941	1.00	1	06/08/2023 22:58	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/08/2023 22:58	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 22:58	WG2074125
Bromoform	U		0.129	1.00	1	06/08/2023 22:58	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/08/2023 22:58	WG2074125
Carbon disulfide	0.736	U	0.0962	1.00	1	06/08/2023 22:58	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 22:58	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/08/2023 22:58	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 22:58	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/08/2023 22:58	WG2074125
Chloroform	U		0.111	5.00	1	06/08/2023 22:58	WG2074125
Chloromethane	U		0.960	2.50	1	06/08/2023 22:58	WG2074125
Cyclohexane	U		0.188	1.00	1	06/08/2023 22:58	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 22:58	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 22:58	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 22:58	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 22:58	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 22:58	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 22:58	WG2074125
1,1-Dichloroethane	1.45		0.100	1.00	1	06/08/2023 22:58	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 22:58	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 22:58	WG2074125
cis-1,2-Dichloroethene	0.217	U	0.126	1.00	1	06/08/2023 22:58	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 22:58	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 22:58	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 22:58	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 22:58	WG2074125
Ethylbenzene	1.15		0.137	1.00	1	06/08/2023 22:58	WG2074125
2-Hexanone	U		0.787	10.0	1	06/08/2023 22:58	WG2074125
Isopropylbenzene	0.157	U	0.105	1.00	1	06/08/2023 22:58	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 22:58	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/08/2023 22:58	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 22:58	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/08/2023 22:58	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 22:58	WG2074125
Methyl tert-butyl ether	5.74	C3	0.101	1.00	1	06/08/2023 22:58	WG2074125
Styrene	U		0.118	1.00	1	06/08/2023 22:58	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 22:58	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 22:58	WG2074125
Toluene	0.482	U	0.278	1.00	1	06/08/2023 22:58	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 22:58	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 22:58	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 22:58	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 22:58	WG2074125
Trichloroethene	U		0.190	1.00	1	06/08/2023 22:58	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/08/2023 22:58	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 22:58	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/08/2023 22:58	WG2074125
Xylenes, Total	0.541	U	0.174	3.00	1	06/08/2023 22:58	WG2074125
(S) Toluene-d8	113			80.0-120		06/08/2023 22:58	WG2074125
(S) 4-Bromofluorobenzene	96.0			77.0-126		06/08/2023 22:58	WG2074125
(S) 1,2-Dichloroethane-d4	122			70.0-130		06/08/2023 22:58	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	1200		15.0	50.0	1	06/09/2023 21:30	WG2072059

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	214000		20000	1	06/12/2023 10:47		WG2075755
Free Carbon Dioxide	ND	T8	20000	1	06/12/2023 10:47		WG2075755

Sample Narrative:

L1622529-06 WG2075755: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	1550	T8	15.0	50.0	1	06/03/2023 15:18	WG2071170

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	81.5	J	50.0	100	1	06/06/2023 23:45	WG2071369

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	U		25.0	50.0	1	06/03/2023 15:56	WG2071149

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	1000000		3790	10000	10	06/12/2023 18:59	WG2075876
Sulfate	75600		5940	50000	10	06/12/2023 18:59	WG2075876

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	7490		102	1000	1	06/18/2023 12:22	WG2076053

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	2740		18.0	100	1	06/09/2023 21:30	WG2072059
Manganese	662		0.934	10.0	1	06/09/2023 21:30	WG2072059
Sodium	966000		2520	15000	5	06/12/2023 01:12	WG2072059

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	172		2.91	10.0	1	06/08/2023 10:03	WG2073383
Ethane	U		4.07	13.0	1	06/08/2023 10:03	WG2073383
Ethene	U		4.26	13.0	1	06/08/2023 10:03	WG2073383

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/08/2023 23:17	WG2074125
Benzene	U		0.0941	1.00	1	06/08/2023 23:17	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/08/2023 23:17	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 23:17	WG2074125
Bromoform	U		0.129	1.00	1	06/08/2023 23:17	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/08/2023 23:17	WG2074125
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 23:17	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 23:17	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/08/2023 23:17	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 23:17	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/08/2023 23:17	WG2074125
Chloroform	U		0.111	5.00	1	06/08/2023 23:17	WG2074125
Chloromethane	U		0.960	2.50	1	06/08/2023 23:17	WG2074125
Cyclohexane	U		0.188	1.00	1	06/08/2023 23:17	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 23:17	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 23:17	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 23:17	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 23:17	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 23:17	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 23:17	WG2074125
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 23:17	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 23:17	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 23:17	WG2074125
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 23:17	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 23:17	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 23:17	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 23:17	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 23:17	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/08/2023 23:17	WG2074125
2-Hexanone	U		0.787	10.0	1	06/08/2023 23:17	WG2074125
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 23:17	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 23:17	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/08/2023 23:17	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 23:17	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/08/2023 23:17	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 23:17	WG2074125
Methyl tert-butyl ether	4.03	C3	0.101	1.00	1	06/08/2023 23:17	WG2074125
Styrene	U		0.118	1.00	1	06/08/2023 23:17	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 23:17	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 23:17	WG2074125
Toluene	U		0.278	1.00	1	06/08/2023 23:17	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 23:17	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 23:17	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 23:17	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 23:17	WG2074125
Trichloroethene	U		0.190	1.00	1	06/08/2023 23:17	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/08/2023 23:17	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 23:17	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/08/2023 23:17	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/08/2023 23:17	WG2074125
(S) Toluene-d8	112			80.0-120		06/08/2023 23:17	WG2074125
(S) 4-Bromofluorobenzene	98.4			77.0-126		06/08/2023 23:17	WG2074125
(S) 1,2-Dichloroethane-d4	124			70.0-130		06/08/2023 23:17	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		15.0	50.0	1	06/09/2023 21:58	WG2072059

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	618000		20000	1	06/12/2023 10:51		WG2075755
Free Carbon Dioxide	94500	B T8	20000	1	06/12/2023 10:51		WG2075755

Sample Narrative:

L1622529-07 WG2075755: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	486	T8	15.0	50.0	1	06/03/2023 18:01	WG2071150

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		100	200	2	06/06/2023 23:46	WG2071369

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	3270		500	1000	20	06/03/2023 15:57	WG2071149

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	3580000		37900	100000	100	06/12/2023 19:24	WG2075876
Sulfate	291000		5940	50000	10	06/12/2023 19:11	WG2075876

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	12900		102	1000	1	06/18/2023 13:55	WG2076053

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	240		18.0	100	1	06/09/2023 21:58	WG2072059
Manganese	56.2		0.934	10.0	1	06/09/2023 21:58	WG2072059
Sodium	1810000		2520	15000	5	06/12/2023 01:24	WG2072059

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	779		2.91	10.0	1	06/08/2023 10:06	WG2073383
Ethane	U		4.07	13.0	1	06/08/2023 10:06	WG2073383
Ethene	U		4.26	13.0	1	06/08/2023 10:06	WG2073383

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/08/2023 23:36	WG2074125
Benzene	0.344	U	0.0941	1.00	1	06/08/2023 23:36	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/08/2023 23:36	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 23:36	WG2074125
Bromoform	U		0.129	1.00	1	06/08/2023 23:36	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/08/2023 23:36	WG2074125
Carbon disulfide	0.520	U	0.0962	1.00	1	06/08/2023 23:36	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 23:36	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/08/2023 23:36	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 23:36	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/08/2023 23:36	WG2074125
Chloroform	U		0.111	5.00	1	06/08/2023 23:36	WG2074125
Chloromethane	U		0.960	2.50	1	06/08/2023 23:36	WG2074125
Cyclohexane	U		0.188	1.00	1	06/08/2023 23:36	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 23:36	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 23:36	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 23:36	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 23:36	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 23:36	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 23:36	WG2074125
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 23:36	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 23:36	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 23:36	WG2074125
cis-1,2-Dichloroethene	0.242	U	0.126	1.00	1	06/08/2023 23:36	WG2074125
trans-1,2-Dichloroethene	0.235	U	0.149	1.00	1	06/08/2023 23:36	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 23:36	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 23:36	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 23:36	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/08/2023 23:36	WG2074125
2-Hexanone	U		0.787	10.0	1	06/08/2023 23:36	WG2074125
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 23:36	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 23:36	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/08/2023 23:36	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 23:36	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/08/2023 23:36	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 23:36	WG2074125
Methyl tert-butyl ether	38.8	C3	0.101	1.00	1	06/08/2023 23:36	WG2074125
Styrene	U		0.118	1.00	1	06/08/2023 23:36	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 23:36	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 23:36	WG2074125
Toluene	U		0.278	1.00	1	06/08/2023 23:36	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 23:36	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 23:36	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 23:36	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 23:36	WG2074125
Trichloroethene	U		0.190	1.00	1	06/08/2023 23:36	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/08/2023 23:36	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 23:36	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/08/2023 23:36	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/08/2023 23:36	WG2074125
(S) Toluene-d8	111			80.0-120		06/08/2023 23:36	WG2074125
(S) 4-Bromofluorobenzene	96.1			77.0-126		06/08/2023 23:36	WG2074125
(S) 1,2-Dichloroethane-d4	121			70.0-130		06/08/2023 23:36	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	757		15.0	50.0	1	06/09/2023 22:01	WG2072059

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	391000		20000	1	06/12/2023 10:55		WG2075755
Free Carbon Dioxide	60400	B T8	20000	1	06/12/2023 10:55		WG2075755

Sample Narrative:

L1622529-08 WG2075755: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	987	T8	15.0	50.0	1	06/03/2023 15:18	WG2071170

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		100	200	2	06/06/2023 23:48	WG2071369

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	96.0		25.0	50.0	1	06/03/2023 15:58	WG2071149

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	6240000		37900	100000	100	06/12/2023 19:49	WG2075876
Sulfate	782000		5940	50000	10	06/12/2023 19:37	WG2075876

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	6570		102	1000	1	06/18/2023 14:25	WG2076053

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	1740		18.0	100	1	06/09/2023 22:01	WG2072059
Manganese	462		0.934	10.0	1	06/09/2023 22:01	WG2072059
Sodium	2200000		2520	15000	5	06/12/2023 01:27	WG2072059

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	356		2.91	10.0	1	06/08/2023 10:09	WG2073383
Ethane	U		4.07	13.0	1	06/08/2023 10:09	WG2073383
Ethene	U		4.26	13.0	1	06/08/2023 10:09	WG2073383

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	<u>C3</u>	11.3	50.0	1	06/08/2023 23:55	WG2074125
Benzene	0.120	<u>U</u>	0.0941	1.00	1	06/08/2023 23:55	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/08/2023 23:55	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 23:55	WG2074125
Bromoform	U		0.129	1.00	1	06/08/2023 23:55	WG2074125
Bromomethane	U	<u>C3</u>	0.605	5.00	1	06/08/2023 23:55	WG2074125
Carbon disulfide	0.186	<u>U</u>	0.0962	1.00	1	06/08/2023 23:55	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 23:55	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/08/2023 23:55	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 23:55	WG2074125
Chloroethane	U	<u>C3</u>	0.192	5.00	1	06/08/2023 23:55	WG2074125
Chloroform	U		0.111	5.00	1	06/08/2023 23:55	WG2074125
Chloromethane	U		0.960	2.50	1	06/08/2023 23:55	WG2074125
Cyclohexane	U		0.188	1.00	1	06/08/2023 23:55	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 23:55	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 23:55	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 23:55	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 23:55	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 23:55	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 23:55	WG2074125
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 23:55	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 23:55	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 23:55	WG2074125
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 23:55	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 23:55	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 23:55	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 23:55	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 23:55	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/08/2023 23:55	WG2074125
2-Hexanone	U		0.787	10.0	1	06/08/2023 23:55	WG2074125
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 23:55	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 23:55	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/08/2023 23:55	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 23:55	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/08/2023 23:55	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 23:55	WG2074125
Methyl tert-butyl ether	0.664	<u>C3</u> <u>J</u>	0.101	1.00	1	06/08/2023 23:55	WG2074125
Styrene	U		0.118	1.00	1	06/08/2023 23:55	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 23:55	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 23:55	WG2074125
Toluene	U		0.278	1.00	1	06/08/2023 23:55	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 23:55	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 23:55	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 23:55	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 23:55	WG2074125
Trichloroethene	0.302	<u>U</u>	0.190	1.00	1	06/08/2023 23:55	WG2074125
Trichlorofluoromethane	U	<u>C3</u>	0.160	5.00	1	06/08/2023 23:55	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 23:55	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/08/2023 23:55	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/08/2023 23:55	WG2074125
(S) Toluene-d8	111			80.0-120		06/08/2023 23:55	WG2074125
(S) 4-Bromofluorobenzene	95.4			77.0-126		06/08/2023 23:55	WG2074125
(S) 1,2-Dichloroethane-d4	121			70.0-130		06/08/2023 23:55	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	53.0		15.0	50.0	1	06/09/2023 22:04	WG2072059

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	215000		20000	1	06/12/2023 11:06	WG2075755	
Free Carbon Dioxide	21800	B T8	20000	1	06/12/2023 11:06	WG2075755	

Sample Narrative:

L1622529-09 WG2075755: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	373	T8	15.0	50.0	1	06/03/2023 15:19	WG2071170

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	58.2	J	50.0	100	1	06/06/2023 23:49	WG2071369

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	27.0	J	25.0	50.0	1	06/03/2023 15:59	WG2071149

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1130000		3790	10000	10	06/12/2023 20:02	WG2075876
Sulfate	154000		5940	50000	10	06/12/2023 20:02	WG2075876

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	15700		102	1000	1	06/18/2023 14:53	WG2076053

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	426		18.0	100	1	06/09/2023 22:04	WG2072059
Manganese	346		0.934	10.0	1	06/09/2023 22:04	WG2072059
Sodium	818000		504	3000	1	06/09/2023 22:04	WG2072059

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	938		2.91	10.0	1	06/08/2023 10:13	WG2073383
Ethane	U		4.07	13.0	1	06/08/2023 10:13	WG2073383
Ethene	U		4.26	13.0	1	06/08/2023 10:13	WG2073383

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/09/2023 00:14	WG2074125
Benzene	U		0.0941	1.00	1	06/09/2023 00:14	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/09/2023 00:14	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/09/2023 00:14	WG2074125
Bromoform	U		0.129	1.00	1	06/09/2023 00:14	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/09/2023 00:14	WG2074125
Carbon disulfide	0.593	U	0.0962	1.00	1	06/09/2023 00:14	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/09/2023 00:14	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/09/2023 00:14	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/09/2023 00:14	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/09/2023 00:14	WG2074125
Chloroform	U		0.111	5.00	1	06/09/2023 00:14	WG2074125
Chloromethane	U		0.960	2.50	1	06/09/2023 00:14	WG2074125
Cyclohexane	U		0.188	1.00	1	06/09/2023 00:14	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/09/2023 00:14	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/09/2023 00:14	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/09/2023 00:14	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/09/2023 00:14	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/09/2023 00:14	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/09/2023 00:14	WG2074125
1,1-Dichloroethane	U		0.100	1.00	1	06/09/2023 00:14	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/09/2023 00:14	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/09/2023 00:14	WG2074125
cis-1,2-Dichloroethene	0.308	U	0.126	1.00	1	06/09/2023 00:14	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/09/2023 00:14	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/09/2023 00:14	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/09/2023 00:14	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/09/2023 00:14	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/09/2023 00:14	WG2074125
2-Hexanone	U		0.787	10.0	1	06/09/2023 00:14	WG2074125
Isopropylbenzene	0.184	U	0.105	1.00	1	06/09/2023 00:14	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/09/2023 00:14	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/09/2023 00:14	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/09/2023 00:14	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/09/2023 00:14	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/09/2023 00:14	WG2074125
Methyl tert-butyl ether	54.4	C3	0.101	1.00	1	06/09/2023 00:14	WG2074125
Styrene	U		0.118	1.00	1	06/09/2023 00:14	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/09/2023 00:14	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/09/2023 00:14	WG2074125
Toluene	U		0.278	1.00	1	06/09/2023 00:14	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/09/2023 00:14	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/09/2023 00:14	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/09/2023 00:14	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/09/2023 00:14	WG2074125
Trichloroethene	U		0.190	1.00	1	06/09/2023 00:14	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/09/2023 00:14	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/09/2023 00:14	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/09/2023 00:14	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/09/2023 00:14	WG2074125
(S) Toluene-d8	112			80.0-120		06/09/2023 00:14	WG2074125
(S) 4-Bromofluorobenzene	97.4			77.0-126		06/09/2023 00:14	WG2074125
(S) 1,2-Dichloroethane-d4	119			70.0-130		06/09/2023 00:14	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	U		15.0	50.0	1	06/09/2023 22:07	WG2072059

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	581000		20000	1	06/12/2023 11:12		WG2075755
Free Carbon Dioxide	ND	T8	20000	1	06/12/2023 11:12		WG2075755

Sample Narrative:

L1622529-10 WG2075755: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	94.0	T8	15.0	50.0	1	06/03/2023 15:19	WG2071170

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		50.0	100	1	06/06/2023 23:50	WG2071369

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	17400		1250	2500	50	06/03/2023 15:59	WG2071149

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	2370000		37900	100000	100	06/12/2023 20:27	WG2075876
Sulfate	131000		5940	50000	10	06/12/2023 20:14	WG2075876

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	22800		102	1000	1	06/18/2023 15:23	WG2076053

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	94.9	J	18.0	100	1	06/09/2023 22:07	WG2072059
Manganese	24.6		0.934	10.0	1	06/09/2023 22:07	WG2072059
Sodium	1040000		2520	15000	5	06/12/2023 01:30	WG2072059

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	5060		2.91	10.0	1	06/08/2023 10:15	WG2073383
Ethane	439		4.07	13.0	1	06/08/2023 10:15	WG2073383
Ethene	U		4.26	13.0	1	06/08/2023 10:15	WG2073383

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/09/2023 00:33	WG2074125
Benzene	4.11		0.0941	1.00	1	06/09/2023 00:33	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/09/2023 00:33	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/09/2023 00:33	WG2074125
Bromoform	U		0.129	1.00	1	06/09/2023 00:33	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/09/2023 00:33	WG2074125
Carbon disulfide	0.356	U	0.0962	1.00	1	06/09/2023 00:33	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/09/2023 00:33	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/09/2023 00:33	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/09/2023 00:33	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/09/2023 00:33	WG2074125
Chloroform	U		0.111	5.00	1	06/09/2023 00:33	WG2074125
Chloromethane	U		0.960	2.50	1	06/09/2023 00:33	WG2074125
Cyclohexane	0.401	U	0.188	1.00	1	06/09/2023 00:33	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/09/2023 00:33	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/09/2023 00:33	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/09/2023 00:33	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/09/2023 00:33	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/09/2023 00:33	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/09/2023 00:33	WG2074125
1,1-Dichloroethane	0.304	U	0.100	1.00	1	06/09/2023 00:33	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/09/2023 00:33	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/09/2023 00:33	WG2074125
cis-1,2-Dichloroethene	0.616	U	0.126	1.00	1	06/09/2023 00:33	WG2074125
trans-1,2-Dichloroethene	1.28		0.149	1.00	1	06/09/2023 00:33	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/09/2023 00:33	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/09/2023 00:33	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/09/2023 00:33	WG2074125
Ethylbenzene	2.48		0.137	1.00	1	06/09/2023 00:33	WG2074125
2-Hexanone	U		0.787	10.0	1	06/09/2023 00:33	WG2074125
Isopropylbenzene	0.327	U	0.105	1.00	1	06/09/2023 00:33	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/09/2023 00:33	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/09/2023 00:33	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/09/2023 00:33	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/09/2023 00:33	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/09/2023 00:33	WG2074125
Methyl tert-butyl ether	79.8	C3	0.101	1.00	1	06/09/2023 00:33	WG2074125
Styrene	U		0.118	1.00	1	06/09/2023 00:33	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/09/2023 00:33	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/09/2023 00:33	WG2074125
Toluene	U		0.278	1.00	1	06/09/2023 00:33	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/09/2023 00:33	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/09/2023 00:33	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/09/2023 00:33	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/09/2023 00:33	WG2074125
Trichloroethene	0.247	U	0.190	1.00	1	06/09/2023 00:33	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/09/2023 00:33	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/09/2023 00:33	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/09/2023 00:33	WG2074125
Xylenes, Total	0.200	U	0.174	3.00	1	06/09/2023 00:33	WG2074125
(S) Toluene-d8	112			80.0-120		06/09/2023 00:33	WG2074125
(S) 4-Bromofluorobenzene	97.4			77.0-126		06/09/2023 00:33	WG2074125
(S) 1,2-Dichloroethane-d4	122			70.0-130		06/09/2023 00:33	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	79.4		15.0	50.0	1	06/09/2023 22:10	WG2072059

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	541000		20000	1	06/12/2023 11:17		WG2075755
Free Carbon Dioxide	88100	B T8	20000	1	06/12/2023 11:17		WG2075755

Sample Narrative:

L1622529-11 WG2075755: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	1150	T8	15.0	50.0	1	06/03/2023 18:01	WG2071150

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		100	200	2	06/06/2023 23:55	WG2071369

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	157		25.0	50.0	1	06/03/2023 16:00	WG2071149

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	2330000		19000	50000	50	06/12/2023 21:17	WG2075876
Sulfate	178000		5940	50000	10	06/12/2023 20:40	WG2075876

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	29900		102	1000	1	06/18/2023 15:47	WG2076053

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	1230		18.0	100	1	06/09/2023 22:10	WG2072059
Manganese	229		0.934	10.0	1	06/09/2023 22:10	WG2072059
Sodium	1330000		2520	15000	5	06/12/2023 01:33	WG2072059

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	7310		29.1	100	10	06/08/2023 13:26	WG2073981
Ethane	41.8		4.07	13.0	1	06/08/2023 10:18	WG2073383
Ethene	U		4.26	13.0	1	06/08/2023 10:18	WG2073383

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/09/2023 00:52	WG2074125
Benzene	11.0		0.0941	1.00	1	06/09/2023 00:52	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/09/2023 00:52	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/09/2023 00:52	WG2074125
Bromoform	U		0.129	1.00	1	06/09/2023 00:52	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/09/2023 00:52	WG2074125
Carbon disulfide	0.299	U	0.0962	1.00	1	06/09/2023 00:52	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/09/2023 00:52	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/09/2023 00:52	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/09/2023 00:52	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/09/2023 00:52	WG2074125
Chloroform	U		0.111	5.00	1	06/09/2023 00:52	WG2074125
Chloromethane	U		0.960	2.50	1	06/09/2023 00:52	WG2074125
Cyclohexane	0.253	U	0.188	1.00	1	06/09/2023 00:52	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/09/2023 00:52	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/09/2023 00:52	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/09/2023 00:52	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/09/2023 00:52	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/09/2023 00:52	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/09/2023 00:52	WG2074125
1,1-Dichloroethane	0.132	U	0.100	1.00	1	06/09/2023 00:52	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/09/2023 00:52	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/09/2023 00:52	WG2074125
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/09/2023 00:52	WG2074125
trans-1,2-Dichloroethene	0.781	U	0.149	1.00	1	06/09/2023 00:52	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/09/2023 00:52	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/09/2023 00:52	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/09/2023 00:52	WG2074125
Ethylbenzene	4.17		0.137	1.00	1	06/09/2023 00:52	WG2074125
2-Hexanone	U		0.787	10.0	1	06/09/2023 00:52	WG2074125
Isopropylbenzene	0.804	U	0.105	1.00	1	06/09/2023 00:52	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/09/2023 00:52	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/09/2023 00:52	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/09/2023 00:52	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/09/2023 00:52	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/09/2023 00:52	WG2074125
Methyl tert-butyl ether	63.2	C3	0.101	1.00	1	06/09/2023 00:52	WG2074125
Styrene	U		0.118	1.00	1	06/09/2023 00:52	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/09/2023 00:52	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/09/2023 00:52	WG2074125
Toluene	0.633	U	0.278	1.00	1	06/09/2023 00:52	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/09/2023 00:52	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/09/2023 00:52	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/09/2023 00:52	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/09/2023 00:52	WG2074125
Trichloroethene	U		0.190	1.00	1	06/09/2023 00:52	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/09/2023 00:52	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/09/2023 00:52	WG2074125
Vinyl chloride	2.21		0.234	1.00	1	06/09/2023 00:52	WG2074125
Xylenes, Total	6.87		0.174	3.00	1	06/09/2023 00:52	WG2074125
(S) Toluene-d8	111			80.0-120		06/09/2023 00:52	WG2074125
(S) 4-Bromofluorobenzene	101			77.0-126		06/09/2023 00:52	WG2074125
(S) 1,2-Dichloroethane-d4	120			70.0-130		06/09/2023 00:52	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	889		15.0	50.0	1	06/09/2023 22:13	WG2072059

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	141000		20000	1	06/12/2023 11:21		WG2075755
Free Carbon Dioxide	31600	B T8	20000	1	06/12/2023 11:21		WG2075755

Sample Narrative:

L1622529-12 WG2075755: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	2360	T8	15.0	50.0	1	06/03/2023 15:20	WG2071170

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		50.0	100	1	06/06/2023 23:57	WG2071369

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	U		25.0	50.0	1	06/03/2023 16:01	WG2071149

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	426000		1900	5000	5	06/12/2023 21:30	WG2075876
Sulfate	21300	J	2970	25000	5	06/12/2023 21:30	WG2075876

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	2900		102	1000	1	06/18/2023 16:08	WG2076053

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	3240		18.0	100	1	06/09/2023 22:13	WG2072059
Manganese	83.8		0.934	10.0	1	06/09/2023 22:13	WG2072059
Sodium	96400		504	3000	1	06/09/2023 22:13	WG2072059

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	3130		2.91	10.0	1	06/08/2023 10:32	WG2073383
Ethane	U		4.07	13.0	1	06/08/2023 10:32	WG2073383
Ethene	U		4.26	13.0	1	06/08/2023 10:32	WG2073383

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/09/2023 01:11	WG2074125
Benzene	U		0.0941	1.00	1	06/09/2023 01:11	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/09/2023 01:11	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/09/2023 01:11	WG2074125
Bromoform	U		0.129	1.00	1	06/09/2023 01:11	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/09/2023 01:11	WG2074125
Carbon disulfide	0.109	U	0.0962	1.00	1	06/09/2023 01:11	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/09/2023 01:11	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/09/2023 01:11	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/09/2023 01:11	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/09/2023 01:11	WG2074125
Chloroform	U		0.111	5.00	1	06/09/2023 01:11	WG2074125
Chloromethane	U		0.960	2.50	1	06/09/2023 01:11	WG2074125
Cyclohexane	0.235	U	0.188	1.00	1	06/09/2023 01:11	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/09/2023 01:11	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/09/2023 01:11	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/09/2023 01:11	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/09/2023 01:11	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/09/2023 01:11	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/09/2023 01:11	WG2074125
1,1-Dichloroethane	U		0.100	1.00	1	06/09/2023 01:11	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/09/2023 01:11	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/09/2023 01:11	WG2074125
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/09/2023 01:11	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/09/2023 01:11	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/09/2023 01:11	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/09/2023 01:11	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/09/2023 01:11	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/09/2023 01:11	WG2074125
2-Hexanone	U		0.787	10.0	1	06/09/2023 01:11	WG2074125
Isopropylbenzene	U		0.105	1.00	1	06/09/2023 01:11	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/09/2023 01:11	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/09/2023 01:11	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/09/2023 01:11	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/09/2023 01:11	WG2074125
4-Methyl-2-pentanone (MIBK)	0.943	U	0.478	10.0	1	06/09/2023 01:11	WG2074125
Methyl tert-butyl ether	14.1	C3	0.101	1.00	1	06/09/2023 01:11	WG2074125
Styrene	U		0.118	1.00	1	06/09/2023 01:11	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/09/2023 01:11	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/09/2023 01:11	WG2074125
Toluene	U		0.278	1.00	1	06/09/2023 01:11	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/09/2023 01:11	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/09/2023 01:11	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/09/2023 01:11	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/09/2023 01:11	WG2074125
Trichloroethene	U		0.190	1.00	1	06/09/2023 01:11	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/09/2023 01:11	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/09/2023 01:11	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/09/2023 01:11	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/09/2023 01:11	WG2074125
(S) Toluene-d8	113			80.0-120		06/09/2023 01:11	WG2074125
(S) 4-Bromofluorobenzene	96.1			77.0-126		06/09/2023 01:11	WG2074125
(S) 1,2-Dichloroethane-d4	119			70.0-130		06/09/2023 01:11	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	20.6	J	15.0	50.0	1	06/09/2023 22:16	WG2072059

Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	U		20000	1	06/12/2023 11:25	WG2075755	
Free Carbon Dioxide	ND	T8	20000	1	06/12/2023 11:25	WG2075755	

Sample Narrative:

L1622529-13 WG2075755: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	U	T8	15.0	50.0	1	06/03/2023 15:20	WG2071170

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/06/2023 23:58	WG2071369

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	06/03/2023 16:01	WG2071149

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	U		379	1000	1	06/12/2023 21:43	WG2075876
Sulfate	U		594	5000	1	06/12/2023 21:43	WG2075876

Wet Chemistry by Method 9060A

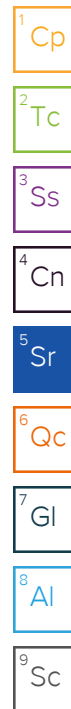
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	352	B J	102	1000	1	06/18/2023 16:26	WG2076053

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	20.6	J	18.0	100	1	06/09/2023 22:16	WG2072059
Manganese	U		0.934	10.0	1	06/09/2023 22:16	WG2072059
Sodium	U		504	3000	1	06/09/2023 22:16	WG2072059

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		2.91	10.0	1	06/08/2023 10:41	WG2073383
Ethane	U		4.07	13.0	1	06/08/2023 10:41	WG2073383
Ethene	U		4.26	13.0	1	06/08/2023 10:41	WG2073383



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/08/2023 21:40	WG2074125
Benzene	U		0.0941	1.00	1	06/08/2023 21:40	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/08/2023 21:40	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 21:40	WG2074125
Bromoform	U		0.129	1.00	1	06/08/2023 21:40	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/08/2023 21:40	WG2074125
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 21:40	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 21:40	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/08/2023 21:40	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 21:40	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/08/2023 21:40	WG2074125
Chloroform	0.827	C3	0.111	5.00	1	06/08/2023 21:40	WG2074125
Chloromethane	U		0.960	2.50	1	06/08/2023 21:40	WG2074125
Cyclohexane	U		0.188	1.00	1	06/08/2023 21:40	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 21:40	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 21:40	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 21:40	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 21:40	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 21:40	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 21:40	WG2074125
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 21:40	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 21:40	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 21:40	WG2074125
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 21:40	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 21:40	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 21:40	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 21:40	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 21:40	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/08/2023 21:40	WG2074125
2-Hexanone	U		0.787	10.0	1	06/08/2023 21:40	WG2074125
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 21:40	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 21:40	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/08/2023 21:40	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 21:40	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/08/2023 21:40	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 21:40	WG2074125
Methyl tert-butyl ether	U	C3	0.101	1.00	1	06/08/2023 21:40	WG2074125
Styrene	U		0.118	1.00	1	06/08/2023 21:40	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 21:40	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 21:40	WG2074125
Toluene	U		0.278	1.00	1	06/08/2023 21:40	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 21:40	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 21:40	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 21:40	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 21:40	WG2074125
Trichloroethene	U		0.190	1.00	1	06/08/2023 21:40	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/08/2023 21:40	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 21:40	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/08/2023 21:40	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/08/2023 21:40	WG2074125
(S) Toluene-d8	112			80.0-120		06/08/2023 21:40	WG2074125
(S) 4-Bromofluorobenzene	91.9			77.0-126		06/08/2023 21:40	WG2074125
(S) 1,2-Dichloroethane-d4	120			70.0-130		06/08/2023 21:40	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/08/2023 20:24	WG2074125
Benzene	U		0.0941	1.00	1	06/08/2023 20:24	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/08/2023 20:24	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 20:24	WG2074125
Bromoform	U		0.129	1.00	1	06/08/2023 20:24	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/08/2023 20:24	WG2074125
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 20:24	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 20:24	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/08/2023 20:24	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 20:24	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/08/2023 20:24	WG2074125
Chloroform	U		0.111	5.00	1	06/08/2023 20:24	WG2074125
Chloromethane	U		0.960	2.50	1	06/08/2023 20:24	WG2074125
Cyclohexane	U		0.188	1.00	1	06/08/2023 20:24	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 20:24	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 20:24	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 20:24	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 20:24	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 20:24	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 20:24	WG2074125
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 20:24	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 20:24	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 20:24	WG2074125
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 20:24	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 20:24	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 20:24	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 20:24	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 20:24	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/08/2023 20:24	WG2074125
2-Hexanone	U		0.787	10.0	1	06/08/2023 20:24	WG2074125
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 20:24	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 20:24	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/08/2023 20:24	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 20:24	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/08/2023 20:24	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 20:24	WG2074125
Methyl tert-butyl ether	U	C3	0.101	1.00	1	06/08/2023 20:24	WG2074125
Styrene	U		0.118	1.00	1	06/08/2023 20:24	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 20:24	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 20:24	WG2074125
Toluene	U		0.278	1.00	1	06/08/2023 20:24	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 20:24	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 20:24	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 20:24	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 20:24	WG2074125
Trichloroethene	U		0.190	1.00	1	06/08/2023 20:24	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/08/2023 20:24	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 20:24	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/08/2023 20:24	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/08/2023 20:24	WG2074125
(S) Toluene-d8	110			80.0-120		06/08/2023 20:24	WG2074125
(S) 4-Bromofluorobenzene	94.8			77.0-126		06/08/2023 20:24	WG2074125
(S) 1,2-Dichloroethane-d4	123			70.0-130		06/08/2023 20:24	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/08/2023 20:43	WG2074125
Benzene	U		0.0941	1.00	1	06/08/2023 20:43	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/08/2023 20:43	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 20:43	WG2074125
Bromoform	U		0.129	1.00	1	06/08/2023 20:43	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/08/2023 20:43	WG2074125
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 20:43	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 20:43	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/08/2023 20:43	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 20:43	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/08/2023 20:43	WG2074125
Chloroform	U		0.111	5.00	1	06/08/2023 20:43	WG2074125
Chloromethane	U		0.960	2.50	1	06/08/2023 20:43	WG2074125
Cyclohexane	U		0.188	1.00	1	06/08/2023 20:43	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 20:43	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 20:43	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 20:43	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 20:43	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 20:43	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 20:43	WG2074125
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 20:43	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 20:43	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 20:43	WG2074125
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 20:43	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 20:43	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 20:43	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 20:43	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 20:43	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/08/2023 20:43	WG2074125
2-Hexanone	U		0.787	10.0	1	06/08/2023 20:43	WG2074125
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 20:43	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 20:43	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/08/2023 20:43	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 20:43	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/08/2023 20:43	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 20:43	WG2074125
Methyl tert-butyl ether	U	C3	0.101	1.00	1	06/08/2023 20:43	WG2074125
Styrene	U		0.118	1.00	1	06/08/2023 20:43	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 20:43	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 20:43	WG2074125
Toluene	U		0.278	1.00	1	06/08/2023 20:43	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 20:43	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 20:43	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 20:43	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 20:43	WG2074125
Trichloroethene	U		0.190	1.00	1	06/08/2023 20:43	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/08/2023 20:43	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 20:43	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/08/2023 20:43	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/08/2023 20:43	WG2074125
(S) Toluene-d8	113			80.0-120		06/08/2023 20:43	WG2074125
(S) 4-Bromofluorobenzene	94.8			77.0-126		06/08/2023 20:43	WG2074125
(S) 1,2-Dichloroethane-d4	120			70.0-130		06/08/2023 20:43	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/08/2023 21:02	WG2074125
Benzene	U		0.0941	1.00	1	06/08/2023 21:02	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/08/2023 21:02	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 21:02	WG2074125
Bromoform	U		0.129	1.00	1	06/08/2023 21:02	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/08/2023 21:02	WG2074125
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 21:02	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 21:02	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/08/2023 21:02	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 21:02	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/08/2023 21:02	WG2074125
Chloroform	U		0.111	5.00	1	06/08/2023 21:02	WG2074125
Chloromethane	U		0.960	2.50	1	06/08/2023 21:02	WG2074125
Cyclohexane	U		0.188	1.00	1	06/08/2023 21:02	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 21:02	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 21:02	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 21:02	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 21:02	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 21:02	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 21:02	WG2074125
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 21:02	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 21:02	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 21:02	WG2074125
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 21:02	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 21:02	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 21:02	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 21:02	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 21:02	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/08/2023 21:02	WG2074125
2-Hexanone	U		0.787	10.0	1	06/08/2023 21:02	WG2074125
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 21:02	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 21:02	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/08/2023 21:02	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 21:02	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/08/2023 21:02	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 21:02	WG2074125
Methyl tert-butyl ether	U	C3	0.101	1.00	1	06/08/2023 21:02	WG2074125
Styrene	U		0.118	1.00	1	06/08/2023 21:02	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 21:02	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 21:02	WG2074125
Toluene	U		0.278	1.00	1	06/08/2023 21:02	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 21:02	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 21:02	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 21:02	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 21:02	WG2074125
Trichloroethene	U		0.190	1.00	1	06/08/2023 21:02	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/08/2023 21:02	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 21:02	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/08/2023 21:02	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/08/2023 21:02	WG2074125
(S) Toluene-d8	113			80.0-120		06/08/2023 21:02	WG2074125
(S) 4-Bromofluorobenzene	94.5			77.0-126		06/08/2023 21:02	WG2074125
(S) 1,2-Dichloroethane-d4	122			70.0-130		06/08/2023 21:02	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/08/2023 21:21	WG2074125
Benzene	U		0.0941	1.00	1	06/08/2023 21:21	WG2074125
Bromochloromethane	U		0.128	1.00	1	06/08/2023 21:21	WG2074125
Bromodichloromethane	U		0.136	1.00	1	06/08/2023 21:21	WG2074125
Bromoform	U		0.129	1.00	1	06/08/2023 21:21	WG2074125
Bromomethane	U	C3	0.605	5.00	1	06/08/2023 21:21	WG2074125
Carbon disulfide	U		0.0962	1.00	1	06/08/2023 21:21	WG2074125
Carbon tetrachloride	U		0.128	1.00	1	06/08/2023 21:21	WG2074125
Chlorobenzene	U		0.116	1.00	1	06/08/2023 21:21	WG2074125
Chlorodibromomethane	U		0.140	1.00	1	06/08/2023 21:21	WG2074125
Chloroethane	U	C3	0.192	5.00	1	06/08/2023 21:21	WG2074125
Chloroform	U		0.111	5.00	1	06/08/2023 21:21	WG2074125
Chloromethane	U		0.960	2.50	1	06/08/2023 21:21	WG2074125
Cyclohexane	U		0.188	1.00	1	06/08/2023 21:21	WG2074125
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/08/2023 21:21	WG2074125
1,2-Dibromoethane	U		0.126	1.00	1	06/08/2023 21:21	WG2074125
1,2-Dichlorobenzene	U		0.107	1.00	1	06/08/2023 21:21	WG2074125
1,3-Dichlorobenzene	U		0.110	1.00	1	06/08/2023 21:21	WG2074125
1,4-Dichlorobenzene	U		0.120	1.00	1	06/08/2023 21:21	WG2074125
Dichlorodifluoromethane	U		0.374	5.00	1	06/08/2023 21:21	WG2074125
1,1-Dichloroethane	U		0.100	1.00	1	06/08/2023 21:21	WG2074125
1,2-Dichloroethane	U		0.0819	1.00	1	06/08/2023 21:21	WG2074125
1,1-Dichloroethene	U		0.188	1.00	1	06/08/2023 21:21	WG2074125
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/08/2023 21:21	WG2074125
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/08/2023 21:21	WG2074125
1,2-Dichloropropane	U		0.149	1.00	1	06/08/2023 21:21	WG2074125
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/08/2023 21:21	WG2074125
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/08/2023 21:21	WG2074125
Ethylbenzene	U		0.137	1.00	1	06/08/2023 21:21	WG2074125
2-Hexanone	U		0.787	10.0	1	06/08/2023 21:21	WG2074125
Isopropylbenzene	U		0.105	1.00	1	06/08/2023 21:21	WG2074125
2-Butanone (MEK)	U		1.19	10.0	1	06/08/2023 21:21	WG2074125
Methyl Acetate	U		1.29	20.0	1	06/08/2023 21:21	WG2074125
Methyl Cyclohexane	U		0.660	1.00	1	06/08/2023 21:21	WG2074125
Methylene Chloride	U		0.430	5.00	1	06/08/2023 21:21	WG2074125
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/08/2023 21:21	WG2074125
Methyl tert-butyl ether	U	C3	0.101	1.00	1	06/08/2023 21:21	WG2074125
Styrene	U		0.118	1.00	1	06/08/2023 21:21	WG2074125
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/08/2023 21:21	WG2074125
Tetrachloroethene	U		0.300	1.00	1	06/08/2023 21:21	WG2074125
Toluene	U		0.278	1.00	1	06/08/2023 21:21	WG2074125
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/08/2023 21:21	WG2074125
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2023 21:21	WG2074125
1,1,1-Trichloroethane	U		0.149	1.00	1	06/08/2023 21:21	WG2074125
1,1,2-Trichloroethane	U		0.158	1.00	1	06/08/2023 21:21	WG2074125
Trichloroethene	U		0.190	1.00	1	06/08/2023 21:21	WG2074125
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/08/2023 21:21	WG2074125
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/08/2023 21:21	WG2074125
Vinyl chloride	U		0.234	1.00	1	06/08/2023 21:21	WG2074125
Xylenes, Total	U		0.174	3.00	1	06/08/2023 21:21	WG2074125
(S) Toluene-d8	111			80.0-120		06/08/2023 21:21	WG2074125
(S) 4-Bromofluorobenzene	90.6			77.0-126		06/08/2023 21:21	WG2074125
(S) 1,2-Dichloroethane-d4	118			70.0-130		06/08/2023 21:21	WG2074125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3935550-1 06/12/23 08:23

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Alkalinity	U		8450	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3935550-2 06/12/23 08:23

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Free Carbon Dioxide	16900	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1622529-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1622529-01 06/12/23 10:24 • (DUP) R3935550-4 06/12/23 10:31

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	158000	159000	1	0.378		20

Sample Narrative:
OS: Endpoint pH 4.5 Headspace
DUP: Endpoint pH 4.5

L1622529-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1622529-01 06/12/23 10:24 • (DUP) R3935550-5 06/12/23 10:31

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	40100	38200	1	4.85		20

Sample Narrative:
OS: Endpoint pH 4.5 Headspace
DUP: Endpoint pH 4.5

L1622726-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1622726-15 06/12/23 12:26 • (DUP) R3935550-6 06/12/23 12:32

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	205000	210000	1	2.33		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1622726-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1622726-15 06/12/23 12:26 • (DUP) R3935550-7 06/12/23 12:32

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	ND	ND	1	6.46		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3935550-3 06/12/23 09:42

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	ug/l	ug/l	%	%	
Alkalinity	100000	101000	101	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5



Method Blank (MB)

(MB) R3932533-1 06/03/23 17:49

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Ferrous Iron	U		15.0	50.0

L1622273-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1622273-11 06/03/23 17:55 • (DUP) R3932533-5 06/03/23 17:56

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	40.0	40.0	1	0.000	⌵	20

L1622273-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1622273-18 06/03/23 17:59 • (DUP) R3932533-6 06/03/23 18:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	676	690	1	2.05		20

Laboratory Control Sample (LCS)

(LCS) R3932533-2 06/03/23 17:49

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ferrous Iron	1000	1080	108	85.0-115	

L1622273-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622273-05 06/03/23 17:52 • (MS) R3932533-3 06/03/23 17:52 • (MSD) R3932533-4 06/03/23 17:52

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1000	28.0	1070	1090	105	106	1	80.0-120			1.30	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3932505-1 06/03/23 14:57

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Ferrous Iron	U		15.0	50.0

L1622529-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1622529-12 06/03/23 15:20 • (DUP) R3932505-3 06/03/23 15:20

	Original Result	DUP Result	Dilution	DUP RPD	DUP RPD Limits
Analyte	ug/l	ug/l		%	%
Ferrous Iron	2360	2350	1	0.255	20

Laboratory Control Sample (LCS)

(LCS) R3932505-2 06/03/23 14:57

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ferrous Iron	1000	956	95.6	85.0-115	

L1622529-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622529-13 06/03/23 15:20 • (MS) R3932505-4 06/03/23 15:21 • (MSD) R3932505-5 06/03/23 15:21

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1000	U	949	994	94.9	99.4	1	80.0-120			4.63	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3933553-1 06/06/23 23:23

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Nitrate-Nitrite	U		50.0	100

L1622262-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1622262-06 06/06/23 23:27 • (DUP) R3933553-3 06/06/23 23:28

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	389	388	1	0.257		20

L1622628-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1622628-02 06/07/23 00:00 • (DUP) R3933553-6 06/07/23 00:02

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	86.1	78.8	1	8.85	⌵	20

Laboratory Control Sample (LCS)

(LCS) R3933553-2 06/06/23 23:25

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Nitrate-Nitrite	2500	2740	110	90.0-110	

L1622262-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622262-06 06/06/23 23:27 • (MS) R3933553-4 06/06/23 23:30 • (MSD) R3933553-5 06/06/23 23:31

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate-Nitrite	2500	389	2790	2810	96.0	96.8	1	90.0-110			0.714	20

L1622628-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1622628-02 06/07/23 00:00 • (MS) R3933553-7 06/07/23 00:03

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Nitrate-Nitrite	2500	86.1	2650	103	1	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3932521-1 06/03/23 15:54

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Sulfide	U		25.0	50.0

L1622529-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1622529-08 06/03/23 15:58 • (DUP) R3932521-5 06/03/23 15:58

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	96.0	97.0	1	1.04		20

L1622531-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1622531-05 06/03/23 16:01 • (DUP) R3932521-6 06/03/23 16:01

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3932521-2 06/03/23 15:54

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	482	96.4	85.0-115	

L1622529-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622529-01 06/03/23 15:54 • (MS) R3932521-3 06/03/23 15:54 • (MSD) R3932521-4 06/03/23 15:55

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	500	U	445	445	89.0	89.0	1	80.0-120			0.000	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3935929-1 06/12/23 10:49

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Chloride	U		379	1000
Sulfate	U		594	5000

L1622529-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1622529-13 06/12/23 21:43 • (DUP) R3935929-3 06/12/23 21:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

L1623128-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1623128-01 06/13/23 01:29 • (DUP) R3935929-6 06/13/23 01:42

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	5350	5290	1	1.16		15
Sulfate	56800	56200	1	1.08		15

Laboratory Control Sample (LCS)

(LCS) R3935929-2 06/12/23 11:02

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	39000	97.5	80.0-120	
Sulfate	40000	39200	98.1	80.0-120	

L1622529-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622529-13 06/12/23 21:43 • (MS) R3935929-4 06/12/23 22:08 • (MSD) R3935929-5 06/12/23 22:20

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Chloride	50000	U	48800	48800	97.6	97.6	1	80.0-120			0.0346	15
Sulfate	50000	U	48600	48700	97.2	97.5	1	80.0-120			0.274	15

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1623128-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1623128-01 06/13/23 01:29 • (MS) R3935929-7 06/13/23 02:19

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50000	5350	54200	97.6	1	80.0-120	
Sulfate	50000	56800	102000	91.2	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3938153-2 06/18/23 01:11

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	204	⬇	102	1000

L1622529-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1622529-06 06/18/23 12:22 • (DUP) R3938153-5 06/18/23 12:47

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	7490	7350	1	1.86		20

L1622529-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1622529-13 06/18/23 16:26 • (DUP) R3938153-6 06/18/23 16:40

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	352	405	1	13.9	⬇	20

Laboratory Control Sample (LCS)

(LCS) R3938153-1 06/18/23 00:58

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	26400	106	85.0-115	

L1622529-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622529-02 06/18/23 10:09 • (MS) R3938153-3 06/18/23 10:37 • (MSD) R3938153-4 06/18/23 11:05

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	7850	32500	31000	98.4	92.5	1	80.0-120			4.67	20

L1622726-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622726-15 06/18/23 17:54 • (MS) R3938153-7 06/18/23 18:22 • (MSD) R3938153-8 06/18/23 18:43

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	3490	28600	28200	100	98.8	1	80.0-120			1.44	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3935322-1 06/09/23 21:25

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	U		18.0	100
Manganese	U		0.934	10.0
Sodium	U		504	3000

Laboratory Control Sample (LCS)

(LCS) R3935322-2 06/09/23 21:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	10700	107	80.0-120	
Manganese	1000	1040	104	80.0-120	
Sodium	10000	10400	104	80.0-120	

L1622529-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622529-06 06/09/23 21:30 • (MS) R3935322-4 06/09/23 21:36 • (MSD) R3935322-5 06/09/23 21:39

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	10000	2740	13300	13000	105	103	1	75.0-125			1.95	20
Manganese	1000	662	1660	1630	99.6	96.9	1	75.0-125			1.66	20
Sodium	10000	1080000	1060000	1060000	0.000	0.000	1	75.0-125	EV	EV	0.213	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3933736-2 06/07/23 10:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methane	U		2.91	10.0
Ethane	U		4.07	13.0
Ethene	U		4.26	13.0

L1622708-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1622708-06 06/07/23 10:52 • (DUP) R3933736-3 06/07/23 10:55

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	U	U	1	0.000		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1622726-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1622726-16 06/07/23 11:20 • (DUP) R3933736-4 06/07/23 11:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	U	U	1	0.000		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3933736-1 06/07/23 10:08 • (LCSD) R3933736-7 06/07/23 11:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	68.4	67.4	101	99.4	85.0-115			1.47	20
Ethane	129	118	118	91.5	91.5	85.0-115			0.000	20
Ethene	127	119	119	93.7	93.7	85.0-115			0.000	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

L1622726-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622726-15 06/07/23 11:18 • (MS) R3933736-5 06/07/23 11:27 • (MSD) R3933736-6 06/07/23 11:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Methane	67.8	614	718	724	153	162	1	50.0-150	V	V	0.832	20
Ethane	129	U	122	128	94.6	99.2	1	50.0-150			4.80	20
Ethene	127	U	121	126	95.3	99.2	1	50.0-150			4.05	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3934254-2 06/08/23 09:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methane	U		2.91	10.0
Ethane	U		4.07	13.0
Ethene	U		4.26	13.0

L1619855-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1619855-03 06/08/23 09:54 • (DUP) R3934254-3 06/08/23 10:35

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	U	U	1	0.000		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1622529-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1622529-13 06/08/23 10:41 • (DUP) R3934254-4 06/08/23 11:37

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	U	U	1	0.000		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3934254-1 06/08/23 09:45 • (LCSD) R3934254-5 06/08/23 11:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	67.0	64.5	98.8	95.1	85.0-115			3.80	20
Ethane	129	118	119	91.5	92.2	85.0-115			0.844	20
Ethene	127	119	120	93.7	94.5	85.0-115			0.837	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3934350-2 06/08/23 13:23

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Methane	U		2.91	10.0

L1622529-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1622529-11 06/08/23 13:26 • (DUP) R3934350-3 06/08/23 13:35

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Methane	7310	7390	10	1.09		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3934350-1 06/08/23 13:20 • (LCSD) R3934350-4 06/08/23 13:55

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	67.4	68.3	99.4	101	85.0-115			1.33	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3935750-2 06/08/23 19:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Benzene	U		0.0941	1.00
Bromochloromethane	U		0.128	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
Cyclohexane	U		0.188	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Isopropylbenzene	U		0.105	1.00
2-Butanone (MEK)	U		1.19	10.0
Methyl Acetate	U		1.29	20.0
Methyl Cyclohexane	U		0.660	1.00
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Styrene	U		0.118	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
Tetrachloroethene	U		0.300	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3935750-2 06/08/23 19:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	115			80.0-120
(S) 4-Bromofluorobenzene	94.4			77.0-126
(S) 1,2-Dichloroethane-d4	121			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3935750-1 06/08/23 18:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	18.0	72.0	19.0-160	
Benzene	5.00	5.00	100	70.0-123	
Bromochloromethane	5.00	4.23	84.6	76.0-122	
Bromodichloromethane	5.00	5.02	100	75.0-120	
Bromoform	5.00	5.31	106	68.0-132	
Bromomethane	5.00	3.49	69.8	10.0-160	
Carbon disulfide	5.00	4.31	86.2	61.0-128	
Carbon tetrachloride	5.00	4.83	96.6	68.0-126	
Chlorobenzene	5.00	5.04	101	80.0-121	
Chlorodibromomethane	5.00	5.19	104	77.0-125	
Chloroethane	5.00	3.78	75.6	47.0-150	
Chloroform	5.00	4.75	95.0	73.0-120	
Chloromethane	5.00	5.28	106	41.0-142	
Cyclohexane	5.00	4.35	87.0	71.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.51	90.2	58.0-134	
1,2-Dibromoethane	5.00	4.90	98.0	80.0-122	
1,2-Dichlorobenzene	5.00	4.71	94.2	79.0-121	
1,3-Dichlorobenzene	5.00	4.94	98.8	79.0-120	
1,4-Dichlorobenzene	5.00	4.90	98.0	79.0-120	
Dichlorodifluoromethane	5.00	4.83	96.6	51.0-149	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3935750-1 06/08/23 18:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,1-Dichloroethane	5.00	5.02	100	70.0-126	
1,2-Dichloroethane	5.00	5.13	103	70.0-128	
1,1-Dichloroethene	5.00	4.45	89.0	71.0-124	
cis-1,2-Dichloroethene	5.00	4.35	87.0	73.0-120	
trans-1,2-Dichloroethene	5.00	4.46	89.2	73.0-120	
1,2-Dichloropropane	5.00	5.16	103	77.0-125	
cis-1,3-Dichloropropene	5.00	4.99	99.8	80.0-123	
trans-1,3-Dichloropropene	5.00	5.32	106	78.0-124	
Ethylbenzene	5.00	4.57	91.4	79.0-123	
2-Hexanone	25.0	25.6	102	67.0-149	
Isopropylbenzene	5.00	4.49	89.8	76.0-127	
2-Butanone (MEK)	25.0	28.4	114	44.0-160	
Methyl Acetate	25.0	27.3	109	57.0-148	
Methyl Cyclohexane	5.00	4.30	86.0	68.0-126	
Methylene Chloride	5.00	4.25	85.0	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	29.9	120	68.0-142	
Methyl tert-butyl ether	5.00	3.84	76.8	68.0-125	
Styrene	5.00	4.35	87.0	73.0-130	
1,1,2,2-Tetrachloroethane	5.00	5.00	100	65.0-130	
Tetrachloroethene	5.00	4.94	98.8	72.0-132	
Toluene	5.00	4.97	99.4	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.72	94.4	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.82	96.4	57.0-137	
1,1,1-Trichloroethane	5.00	4.59	91.8	73.0-124	
1,1,2-Trichloroethane	5.00	5.05	101	80.0-120	
Trichloroethene	5.00	4.71	94.2	78.0-124	
Trichlorofluoromethane	5.00	3.64	72.8	59.0-147	
1,1,2-Trichlorotrifluoroethane	5.00	4.97	99.4	69.0-132	
Vinyl chloride	5.00	4.22	84.4	67.0-131	
Xylenes, Total	15.0	13.1	87.3	79.0-123	
(S) Toluene-d8			113	80.0-120	
(S) 4-Bromofluorobenzene			95.9	77.0-126	
(S) 1,2-Dichloroethane-d4			120	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

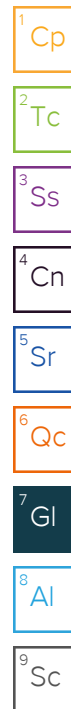
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

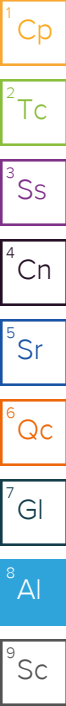
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Arcadis - Chevron - NY						Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129							Pes Chk	L2	L2								Chain of Custody Page ____ of ____ MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf		
Report to: Max Mansilla						Email To: maxwell.mansilla@arcadis.com;alex.newbrough																			
Project Description: POD 4 - Oceanside 6518040						City/State Collected:		Oceanside, NY	Please Circle: PT MT CT ED																
Phone: (908) 380-7457			Client Project # 30062947.19.45			Lab Project # CHEVARCNY-6518040																			
Collected by (print): Shekhar Ganholal			Site/Facility ID # 6518040			P.O.#																			
Collected by (signature): 			Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day			Quote #																			
Immediately Packed on Ice N ___ Y ☒						Date Results Needed																			
Sample ID			Comp/Grab		Matrix *	Depth	Date	Time	No. of Cntrs																
MW-27-D2-W-					GW				11	X	X	X	X	X	X	X	X	X							
MW-28-D2R-W- 230601	G			-	GW	6/1/23	2230		11	X	X	X	X	X	X	X	X	X				-01			
MW-24-D2-W-					GW				11	X	X	X	X	X	X	X	X	X							
MW-24-VDR-W-					GW				11	X	X	X	X	X	X	X	X	X							
AMW-15-VD-W- 230601	G			-	GW	6/1/23	2055		11	X	X	X	X	X	X	X	X	X				-02			
AMW-7R-W- 230601	G			-	GW	6/1/23	1925		11	X	X	X	X	X	X	X	X	X				-03			
AMW-14-VD-W-					GW				11	X	X	X	X	X	X	X	X	X							
AMW-14-D2-W-					GW				11	X	X	X	X	X	X	X	X	X							
MW-28-D1-W- 230601	G			-	GW	6/1/23	1955		11	X	X	X	X	X	X	X	X	X				-04			
MW-26-D2-W-					GW				11	X	X	X	X	X	X	X	X	X							
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____	Remarks: 										pH _____ Temp _____ Flow _____ Other _____	Sample Receipt Checklist COC Seal Present/Intact: NP ☒ Y ☒ N COC Signed/Accurate: ☒ Y ☒ N Bottles arrive intact: ☒ Y ☒ N Correct bottles used: ☒ Y ☒ N Sufficient volume sent: ☒ Y ☒ N If Applicable VOA Zero Headspace: ☒ Y ☒ N Preservation Correct/Checked: ☒ Y ☒ N RAD Screen <0.5 mR/hr: ☒ Y ☒ N													
Samples returned via: __ UPS __ FedEx __ Courier _____						Tracking # _____																			
Relinquished by : (Signature)			Date:		Time:	Received by: (Signature)			Trip Blank Received: Yes / No HCL / MeOH TBR																
Relinquished by : (Signature)			Date:		Time:	Received by: (Signature)			Temp: °C Bottles Received: 132			If preservation required by Login: Date/Time													
Relinquished by : (Signature)			Date:		Time:	Received for lab by: (Signature)			Date: Time: 6/3/23 0905			Hold:			Condition: NCF / OK										

Company Name/Address: Arcadis - Chevron - NY				Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129				Pres Chk L2		Analysis / Container / Preservative ALK, CI, CO2, SULFATE 250mlHDPE-NoPres FEICP, MNICP, NAICP 250mlHDPE-HNO3 FERUSFE, FERICFE 250mlAmb-HCl NO2NO3 250mlHDPE-H2SO4 RSK175 40mlAmb HCl SULFIDE 250mlAmb-S-NaOH+ZnAc TOC 250mlHDPE-HCl V8260TCLC 40mlAmb-HCl V8260TCLC-TripBlank 40mlAmb-HCl-Bik										Chain of Custody Page ____ of ____ PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf		
Report to: Max Mansilla				Email To: maxwell.mansilla@arcadis.com; alex.newbrough																		
Project Description: POD 4 - Oceanside 6518040				City/State Collected: Oceanside, NY		Please Circle: PT MT CT ET																
Phone: (408) 380-7457		Client Project # 30062947.19.45		Lab Project # CHEVARCNY-6518040																		
Collected by (print): Shpkhar Ganiad		Site/Facility ID # 6518040		P.O. #																		
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day				Quote #		Date Results Needed		No. of Cntrs												
Immediately Packed on Ice N ☐ Y ☒																						
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs															
MW-23-D2R-W- 230601		G	GW	-	6/1/23	2215	11															
AMW-15-D2-W- 230601		G	GW	-	6/1/23	2125	11															
AMW-15-D3-W- 230601		G	GW	-	6/1/23	2100	11															
MW-23-D1R-W- 230601		G	GW	-	6/1/23	2150	11															
AMW-15-D1-W- 230601		G	GW	-	6/1/23	2030	11															
MW-27-D1R-W-		GW																				
MW-26-D1-W- 230601		G	GW	-	6/1/23	2030	11															
MW-29-D1-W- 230601		G	GW	-	6/1/23	2250	11															
AMW-14-D1-W-		GW																				
MW-24-D1R-W-		GW																				
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☐ FedEx ☐ Courier Tracking #																				
Relinquished by: (Signature) 		Date: 6/1/23	Time: 1300	Received by: (Signature)				Trip Blank Received: Yes ☒ No ☐ 4 HCL MeOH TBR				pH _____ Temp _____ Flow _____ Other _____										
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)				Temp: 15°C Bottles Received: 3.8 to 23.5 132				If pres PH-10BDH4321 TRC-214414 CR6-220221V										
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 				Date: 6/3/23 Time: 0905				Hold:		Condition: NCF / OK								

Company Name/Address: Arcadis - Chevron - NY				Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129				Pres Chk L2 L2				Analysis / Container / Preservative				Chain of Custody Page <u> </u> of <u> </u>	
Report to: Max Mansilla				Email To: maxwell.mansilla@arcadis.com; alex.newbrough				ALK, CI, CO2, SULFATE 250mlHDPE-NoPres FEICP, MNICP, NAICP 250mlHDPE-HNO3 FERUSFE, FERICFE 250mlAmb-HCI NO2NO3 250mlHDPE-H2SO4 RSK175 40mlAmb HCI SULFIDE 250mlAmb-S-NaOH+ZnAc TOC 250mlHDPE-HCI V8260TCLC 40mlAmb-HCI V8260TCLC-TripBlank 40mlAmb-HCI-BIK				 PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd. Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf					
Project Description: POD 4 - Oceanside 6518040			City/State Collected: Oceanside, NY	Please Circle: PT MT CT <u>ET</u>	SDG # 1622529		Table #										
Phone: (908) 380-7457		Client Project # 30062947.19.45		Lab Project # CHEVARCNY-6518040		Acctnum: CHEVARCNY Template: T182105						Prelogin: P1003138 PM: 526 - Chris McCord					
Collected by (print): Shekhar Gahlod		Site/Facility ID # 6518040		P.O. #		PB:						Shipped Via: FedEX Priority					
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed						No. of Cntrs					
Immediately Packed on Ice N <u> </u> Y <u> </u> ☒		Date Results Needed		No. of Cntrs		No. of Cntrs		No. of Cntrs									
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs		No. of Cntrs								
MW-18R-W-			GW				11	X	X	X							
BD-W-			GW				11	X	X	X							
FB-W- 230601		G	GW	-	6/1/23	2330	11	X	X	X							
FB-W-			GW				11	X	X	X							
FB-W-			GW				11	X	X	X							
			GW				11	X	X	X							
			GW				11	X	X	X							
			GW				11	X	X	X							
TB-W- 230601		G	GW	-	6/1/23	-	1			X							
TB-W- 230601		G	GW	-	6/1/23	-	1			X							

* Matrix:

SS - Soil AIR - Air F - Filter

GW - Groundwater B - Bioassay

WW - WasteWater

DW - Drinking Water

OT - Other

Remarks:

Samples returned via: UPS FedEx Courier

Tracking #

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Date: **6/1/23** Time: **1300**

Date: Time:

Date: Time:

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeOH
TBR

Temp: **132** °C Bottles Received: **132**

Date: **6/3/23** Time: **0909**

Sample Receipt Checklist

COC Seal Present/Intact: NP Y N

COC Signed/Accurate: Y N

Bottles arrive intact: Y N

Correct bottles used: Y N

Sufficient volume sent: Y N

If Applicable

VOA Zero Headspace: Y N

Preservation Correct/Checked: Y N

RAD Screen <0.5 mR/hr: Y N

Hold:

Condition: NCF / OK

If preservation required by Login: Date/Time

Company Name/Address: Arcadis - Chevron - NY				Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129				Analysis / Container / Preservative Pres Chk L2 L2				Chain of Custody Page ____ of ____ PEOPLE ADVANCING SCIENCE																																																																												
Report to: Max Mansilla				Email To: maxwell.mansilla@arcadis.com; alex.newbrough				MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf																																																																																
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Phone: (908) 380-7457		Client Project # 30062947.19.45		Lab Project # CHEVARCNY-6518040																																																																																				
Collected by (print): Shekhar Ganiod		Site/Facility ID # 6518040		P.O. #		ALK,Cl,CO2,SULFATE 250mlHDPE-NoPres FEICP,MNICP,NAICP 250mlHDPE-HNO3 FERUSFE,FERICFE 250mlAmb-HCl NO2NO3 250mlHDPE-H2SO4 RSK175 40mlAmb HCl SULFIDE 250mlAmb-S-NaOH+ZnAc TOC 250mlHDPE-HCl V8260TCLC 40mlAmb-HCl V8260TCLC-TripBlank 40mlAmb-HCl-Bik																																																																																		
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Immediately Packed on Ice N ☐ Y ☒		Date Results Needed		No. of Cntrs																																																																																				
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">TB-W-</td> <td style="width: 15%;">230601</td> <td style="width: 5%;">G</td> <td style="width: 5%;">GW</td> <td style="width: 5%;">-</td> <td style="width: 10%;">6/1/23</td> <td style="width: 5%;">-</td> <td style="width: 5%;">1</td> </tr> <tr> <td>TB-W-</td> <td>230601</td> <td>G</td> <td>GW</td> <td>-</td> <td>6/1/23</td> <td>-</td> <td>2</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>		TB-W-	230601	G	GW	-	6/1/23	-	1	TB-W-	230601	G	GW	-	6/1/23	-	2																																																																
TB-W-	230601	G	GW	-	6/1/23	-			1																																																																															
TB-W-	230601	G	GW	-	6/1/23	-			2																																																																															
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks:				pH _____ Temp _____ Flow _____ Other _____																																																																																		
Relinquished by: (Signature) 		Date: 6/1/23	Time: 1300	Received by: (Signature) 		Trip Blank Received: Yes / No HCL / MeOH TBR																																																																																		
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: °C Bottles Received:																																																																																		
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 		Date: Time:																																																																																		
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Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 		Date: Time:																																																																																		

1622529

Tracking Numbers		Temperature	
6487	5473 4563		2.0
"	" 4619		5.1
"	" 2720		3.3
"	" 4608		3.8