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Date: April 4, 2024
Our Ref: 30062947
Subject: **First Quarter 2024 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 First Quarter 2024 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 February 5 & 6, 2024 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 February 5, 2024, 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™. The gauging log is included in **Attachment 1**.

Monitoring wells could not be gauged during high tide on February 5, 2024 and were gauged during low tide. High tides occurred during daylight hours during the week of the event and personnel could not safely perform groundwater monitoring activities in the active parking lot. Measured groundwater elevations in the D1 horizon ranged from 1.30 feet above mean sea level (ft amsl) in MW-27-D1R to 3.48 ft amsl in MW-18R. Measured groundwater elevations in the D2 horizon ranged from 1.29 ft amsl in AMW-14-D2 to 1.95 ft amsl in AMW-13-D2. Measured groundwater elevations in the VD horizon ranged from 1.25 ft amsl in MW-14-VD to 2.65 ft amsl in MW-30-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 west, the D2 horizon is to the southwest, and for the VD horizon to the east. The well gauging data is summarized in **Table 1** and illustrated on **Figures 3, 4, and 5**.

Groundwater Sampling

On February 5 and 6, 2024, 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 due to an obstruction. Prior to collection, groundwater parameters (pH, temperature, specific conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity) were collected. Groundwater sampling logs are included in **Attachment 1**. 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
- Ethane, ethene, and methane by USEPA Method RSK-175.

The following summarizes the dissolved VOC constituents that were reported at a concentration greater than the New York State (NYS) Class GA groundwater standards, which are listed in the NYSDEC Technical and Operation Guidance Series (TOGS) No. 1.1.1 standards and guidance values, in the samples collected during the first quarter 2024 sampling event:

- Benzene exceeded the NYS Class GA standard of 1 microgram per Liter (µg/L) at monitoring wells AMW-14-D1 (4.04 µg/L), AMW-15-VD (2.53 µg/L), MW-18R (23.7 µg/L), MW-24-D1R (7.22 µg/L), MW-26-D1 (3.05 µg/L), and MW-28-D1 (2.49 µg/L).
- Ethylbenzene exceeded the NYS Class GA standard of 5 µg/L at monitoring well MW-24-D1R (5.47 µg/L)
- Total xylenes exceeded the NYS Class GA standard of 5 µg/L at monitoring wells MW-24-D1R (5.78 µg/L).
- Methyl tert-butyl ether (MTBE) exceeded the NYS Class GA guidance value of 10 µg/L at monitoring wells AMW-14-D1 (119 µg/L), AMW-15-VD (17.3 µg/L), MW-18R (16.7 µg/L), MW-24-D1R (143 µg/L), MW-24-D2 (43.1 µg/L) and MW-26-D1 (30.6 µg/L)
- trans-1,2-dichloroethene exceeded the NYS Class GA standard value of 5 µg/L at monitoring wells MW-24-D1R (7.46 µg/L)
- Trichloroethene exceeded the NYS Class GA standard of 5 µg/L at monitoring wells AMW-15-VD (8.51 µg/L)

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

A blind duplicate sample was collected from monitoring well MW-24-D1R. 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 19 monitoring wells. A new HydraSleeve™ could not be deployed in monitoring well MW-23-D2R following sample collection due to a bend in the PVC approximately 3 feet below the top of the inner casing, which prevented the collar from entering the well completely.

Future Site Activities

The next quarterly sampling event will be completed in May 2024. 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.



Alexandria Newbrough
Project Manager

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Enclosures:

Tables

- 1 Groundwater Elevation Data – February 5, 2024
- 2 Summary of Groundwater Sampling Results – February 5 and 6, 2024
- 3 Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024

Figures

- 1 Site Location Map
- 2 Site Plan
- 3 D1 Horizon Groundwater Contour Map – February 5, 2024
- 4 D2 Horizon Groundwater Contour Map – February 5, 2024
- 5 VD Horizon Groundwater Contour Map – February 5, 2024
- 6 Groundwater Analytical Results – February 5 and 6, 2024

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

Attachments

- 1 Groundwater Gauging and Sampling Logs
- 2 Laboratory Analytical Report

Tables

Table 1
Groundwater Elevation Data – February 5, 2024
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	2/5/2024	2	12.33	9.05	ND	6.13	2.92
AMW-7R	2/5/2024	2	13.87	9.95	ND	7.73	2.22
MW-18R	2/5/2024	2	9.91	7.98	ND	4.50	3.48
D1 Horizon Monitoring Wells							
AMW-13-D1	2/5/2024	2	32.82	9.87	ND	7.79	2.08
AMW-14-D1	2/5/2024	2	32.51	9.38	ND	8.05	1.33
AMW-15-D1	2/5/2024	2	35.77	9.74	ND	8.25	1.49
MW-23-D1R	2/5/2024	2	26.26	9.84	ND	8.29	1.55
MW-24-D1R	2/5/2024	2	31.35	9.82	ND	8.43	1.39
MW-26-D1	2/5/2024	2	19.42	9.95	ND	8.46	1.49
MW-27-D1R	2/5/2024	2	32.12	9.01	ND	7.71	1.30
MW-28-D1	2/5/2024	2	30.04	8.25	ND	6.48	1.77
MW-29-D1	2/5/2024	2	21.83	5.21	ND	3.43	1.78
MW-30-D1	2/5/2024	2	29.81	8.74	ND	6.80	1.94
MW-31-D1R	2/5/2024	2	29.50	8.39	ND	6.39	2.00
MW-32D	2/5/2024	2	35.95	8.85	ND	7.06	1.79
OW-2-D1	2/5/2024	2	33.62	9.94	ND	8.00	1.94
D2 Horizon Monitoring Wells							
AMW-13-D2	2/5/2024	2	42.66	9.76	ND	7.81	1.95
AMW-14-D2	2/5/2024	2	43.74	9.37	ND	8.08	1.29
AMW-15-D2	2/5/2024	2	40.68	9.71	ND	8.19	1.52
MW-23-D2R	2/5/2024	2	45.34	10.52	ND	8.95	1.57
MW-24-D2	2/5/2024	2	41.62	10.00	ND	8.33	1.67
MW-26-D2	2/5/2024	2	7.98	9.40	ND	7.75	1.65
MW-27-D2	2/5/2024	2	46.33	9.09	ND	7.27	1.82
MW-28-D2R	2/5/2024	2	46.38	8.40	ND	7.10	1.30
MW-29-D2	2/5/2024	2	37.82	5.38	ND	3.54	1.84
MW-30-D2	2/5/2024	2	40.26	8.72	ND	6.90	1.82
MW-31-D2R	2/5/2024	2	45.88	8.35	ND	6.51	1.84
D3 Horizon Monitoring Wells							
AMW-15-D3	2/5/2024	2	71.08	9.81	ND	8.21	1.60
VD Horizon Monitoring Wells							
AMW-13-VD	2/5/2024	2	70.27	9.77	ND	7.70	2.07
AMW-14-VD	2/5/2024	2	74.42	9.25	ND	8.00	1.25
AMW-15-VD	2/5/2024	2	72.95	9.82	ND	7.82	2.00
MW-24-VDR	2/5/2024	2	67.66	9.72	ND	7.56	2.16
MW-26-VD	2/5/2024	2	67.60	9.99	ND	7.58	2.41
MW-29-VD	2/5/2024	2	59.82	5.27	ND	3.11	2.16
MW-30-VD	2/5/2024	2	82.43	8.70	ND	6.05	2.65

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

NG = not gauged

Table 2
Summary of Groundwater Sampling Results – February 5 through 06, 2024
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
NYS Class	GA Standard	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	02/05/2024	4.04	<1.00	3.50	0.201 J	119	0.570 J	<1.00	4.00	<1.00	0.253 J	22.2 B T8	1,030	19.7	942,000	280,000	1,250	0.669	268 J
AMW-14-D2	02/06/2024	<1.00	<1.00	<1.00	<3.00	0.782 J	<1.00	<1.00	<1.00	<1.00	<1.00	71.7 B T8	775	69.8	2,050,000	812,000	3,370	<0.05	<500
AMW-14-VD	02/05/2024	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	154 T8	19,500	409	8,580,000	621,000	14,800	1.62	<100
AMW-15-D1	02/05/2024	<1.00	<1.00	<1.00	<3.00	0.915 J	<1.00	<1.00	<1.00	<1.00	<1.00	<20 T8	492	13.6	584,000	522,000	1,950	0.235	230
AMW-15-D2	02/05/2024	<1.00	<1.00	<1.00	<3.00	0.361 J	<1.00	<1.00	<1.00	<1.00	<1.00	51.8 B T8	473	64.0	510,000 V	421,000	1,800	<0.05	95.0 J
AMW-15-D3	02/05/2024	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	3.65	<1.00	<20 T8	830	32.1	48,000	32,500	78.3	0.83	102
AMW-15-VD	02/05/2024	2.53	0.455 J	0.374 J	0.945 J	17.3	0.152 J	3.11	0.359 J	8.51	1.01	<20 T8	1,810	61.3	532,000	171,000	738	0.908	<100
AMW-7R	02/06/2024	0.333 J	<1.00	0.218 J	0.762 J	<1.00	2.28	<1.00	<1.00	<1.00	<1.00 C3	52.6 B T8	5,570	1,700	84,300	534,000	94.5	<0.1	<100
MW-18R	02/06/2024	23.7	2.32	0.641 J	4.65	16.7	3.64	<1.00	<1.00	<1.00	<1.00 C3	<20 T8	2,320	19.3	176,000	225,000	137	0.972	69.0 J
MW-23-D1R	02/06/2024	<1.00	<1.00	<1.00	<3.00	0.638 J	<1.00	<1.00	<1.00	<1.00	<1.00 C3	46.5 B T8	681	608	1,530,000	602,000	2,830	0.060	266 J
MW-23-D2R	02/06/2024	<1.00	<1.00	<1.00	<3.00	2.92	<1.00	<1.00	<1.00	<1.00	<1.00 C3	41.7 B T8	2,790	299	702,000	414,000	1,770	1.76	97.0 J
MW-24-D1R	02/06/2024	7.22 [<1.00]	0.695 J [<1.00]	5.47 [<1.00]	5.78 [<3.00]	143 [<1.00]	0.578 J [<1.00]	0.251 J [<1.00]	7.46 [<1.00]	0.311 J [<1.00]	1.25 C3 [<1.00 C3]	51.7 B T8 [<20 T8]	347 [<100]	17.7 [<10.0]	1,600,000 [<3,000]	493,000 [<20,000]	2,570 [<1.00 P1]	0.113 [<0.05]	<1,000 [<100]
MW-24-D2	02/06/2024	0.0986 J	<1.00	<1.00	<3.00	43.1	<1.00	0.152 J	0.172 J	<1.00	<1.00 C3	88.6 B T8	1,810	77.5	2,080,000	749,000	3,670	0.699	363 J
MW-24-VDR	02/06/2024	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<20 T8	1,080	10.2	240,000	35,900	571	<0.1	99.0 J
MW-26-D1	02/06/2024	3.05	1.20	1.16	2.81 J	30.6	0.197 J	<1.00	<1.00	<1.00	<1.00 C3	39.5 B T8	589	137	930,000	596,000	1,470	<0.05	<100
MW-27-D1R	02/05/2024	0.702 J	<1.00	<1.00	<3.00	8.11	<1.00	0.224 J	0.365 J	<1.00	<1.00	75.3 B T8	788	49.0	2,010,000	599,000	3,440	0.090	114 J
MW-27-D2	02/05/2024	<1.00	<1.00	<1.00	<3.00	0.130 J	<1.00	<1.00	<1.00	<1.00	<1.00	116 B T8	7,760	1,130	3,780,000	315,000	5,230	<0.1	<100
MW-28-D1	02/06/2024	2.49	<1.00	0.751 J	0.361 J	3.99	0.162 J	<1.00	<1.00	<1.00	<1.00 C3	76.5 B T8	454	47.3	588,000	364,000	1,360	0.023 J	66.0 J
MW-28-D2R	02/06/2024	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	91.5 B T8	446	366	2,770,000	466,000	4,860	<0.05	78.0 J
MW-29-D1	02/06/2024	<1.00	<1.00	<1.00	<3.00	1.47	<1.00	<1.00	<1.00	<1.00	<1.00 C3	64 B T8	5,590	81.8	142,000	182,000	846	<0.1	<1,000

Notes:
ID = Identification
NYS = New York State
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
* = guidance value listed in NYSDEC TOGS 1.1.1
<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 NYS Class GA standard/guidance value
CaCO3 = calcium carbonate
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.
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.
P1 = RPD value not applicable for sample concentraions less than 5 times the reporting limit.
T8 = Sample(s) received past/too close to holding time expiration.
V = The sample concentration is too high to evaluate accurate spike recoveries.
NE = Not established
[] = Duplicate analysis results
-- = Not sampled

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
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-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYS Class GA Standard		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
Units		ug/L	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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	< 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	< 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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.00
	5/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.477 J	<1.00	<5.00	<1.00	<1.00	<1.00
	9/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.314 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/30/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.174 J	<1.00	<5.00 C3 J4	<1.00	<1.00	<1.00
	02/05/2024	<1.00	<1.00	<1.00	<1.00	<1.00	0.300 J	<1.00	<5.00	<1.00	<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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 1.0
	9/13/2019	< 1.0	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
	2/12/2020	< 1.0	< 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	<10.0
	8/19/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<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	<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	<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	<1.00

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

[illegible]

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
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-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYS Class GA Standard		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
AMW-15-D1 (cont.)	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	
	8/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00 J3	0.200 J	<1.00	<5.00	<1.00	<1.00	
	11/30/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	
	02/05/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<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	<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	<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	
	8/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00 J3	<1.00	<1.00	<5.00	<1.00	<1.00	
	11/30/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	
	02/05/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
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	

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
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-ethene	1,1,2,2-Tetrachloro-ethene	1,1,2-Trichloro-ethene	1,1,2-Trichlorotrifluoroethane (Freon 113)	1,1-Dichloro-ethene	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichlorobenzene (o-Dichlorobenzene)	1,2-Dichloroethane
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYS Class GA Standard		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3 (cont.)	2/1/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<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	<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	<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	<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	<1.00
	8/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00 J3	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	11/30/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	<1.00
	02/05/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<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	<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	<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	<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	<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	<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	<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	<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
	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
	2/11/2020	<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	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<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	0.144 J
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<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	<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	0.101 J
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<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	<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	<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	<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	<1.00
	11/28/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<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	<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	<1.00
	8/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00 J3	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	11/30/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	<1.00
	02/05/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.00
	8/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	11/30/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	<1.00
	02/06/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<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	<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	<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	<5.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
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-ethene	1,1,2,2-Tetrachloro-ethene	1,1,2-Trichloro-ethene	1,1,2-Trichlorotrifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYS Class GA Standard		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
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	< 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	< 2.0
MW-18R	6/22/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	7/11/2018	< 20	< 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	< 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	< 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
	2/12/2020	< 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	<5.00	<5.00 J4	<5.00	<5.00	<5.00	<25.0	<5.00	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.00
	8/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	11/30/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	<1.00
	02/06/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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
	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
	2/11/2020	< 1.0	< 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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.00	
8/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	
02/06/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<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	< 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	< 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	< 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	< 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	< 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	< 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	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
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-Trichloro-trifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYS Class GA Standard		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	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
	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
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.00
	8/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	11/30/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	<1.00
	02/06/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<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	< 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	< 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	< 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	< 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	< 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	< 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	< 5.0
	5/9/2019	< 1.0	< 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 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	0.72 J [0.69 J]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]
	12/5/2019	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	0.36 J [0.71 J]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]
	2/11/2020	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0* [$\leq$ 1.0]	< 1.0* [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	0.46 J [0.59 J]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]
	6/9/2020	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	22	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<25.0 [$\leq$ 25.0]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]
	8/19/2020	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<25.0 [$\leq$ 25.0]	<5.00 [$\leq$ 5.00]	<5.00 J4 [$\leq$ 5.00 J4]	<5.00 [$\leq$ 5.00]
	11/5/2020	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<25.0 [$\leq$ 25.0]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]
	3/19/2021	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	0.457 J [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<5.00 [$\leq$ 25.0]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]
	6/1/2021	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<1.00 J4 [$\leq$ 5.00]	0.406 J [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<5.00 [$\leq$ 25.0]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]
	11/16/2021	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00 C3]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	0.327 J [0.365 J]	<1.00 [$\leq$ 1.00]	<5.00 [$\leq$ 5.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]
	2/2/2022	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	0.331 J [0.363 J]	<1.00 C3 [$\leq$ 1.00 C3]	<5.00 [$\leq$ 5.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]
	5/4/2022	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	0.344 J [0.408 J]	<1.00 C3 [$\leq$ 1.00 C3]	<5.00 [$\leq$ 5.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]
	8/24/2022	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	0.322 J [0.302 J]	<1.00 [$\leq$ 1.00]	<5.00 [$\leq$ 5.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]
	11/29/2022	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	0.330 J [0.280 J]	<1.00 C3 [$\leq$ 1.00 C3]	<5.00 [$\leq$ 5.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]
	3/10/2023	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	0.252 J [$\leq$ 10.0]	<1.00 C3 [$\leq$ 10.0 C3]	<5.00 [$\leq$ 50.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]
	5/31/2023	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	0.286 J [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<5.00 [$\leq$ 50.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]
	8/30/2023	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	1.00 J3 [$\leq$ 10.0 J]	0.306 J [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<5.00 [$\leq$ 50.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]
	11/30/2023	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	0.182 J [0.189 J]	<1.00 [$\leq$ 1.00]	5.00 C3 J4 [$\leq$ 5.0]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]
	02/06/2024	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	0.196 J [$\leq$ 1.00]	<1.00 C3 [$\leq$ 1.00 C3]	5.00 C3 [$\leq$ 5.00 C]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]
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	< 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	< 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	< 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	< 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	< 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	< 8.0
	8/27/2017	< 8.0	< 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	< 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	< 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	< 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	< 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
	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
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
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-ethene	1,1,2,2-Tetrachloro-ethene	1,1,2-Trichloro-ethene	1,1,2-Trichlorotrifluoroethane (Freon 113)	1,1-Dichloro-ethene	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYS Class GA Standard		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
MW-24-D2 (cont.)	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	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	<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	<1.00
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.553 J	<1.00	<5.00	<1.00	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.00
	8/30/2023	<1.00	<1.00	<1.00	<1.00	<1.00 J3	0.123 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/29/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	<1.00
02/06/2024	<1.00	<1.00	<1.00	<1.00	<1.00	0.121 J	<1.00 C3	<5.00 C3	<1.00	<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	< 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	< 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	< 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
	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
	2/11/2020	< 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	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<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	<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	<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	<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	<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	<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	<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	<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	<1.00
8/30/2023	<1.00	<1.00	<1.00	<1.00	<1.00 J3	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	
11/29/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	<1.00	
02/06/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<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	< 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	< 4.0
	10/25/2016	< 1.0	< 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	< 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	< 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	< 1.0
	10/11/2017	< 2.0	< 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	< 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	< 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
	12/6/2019	< 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 *	< 1.0	< 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	<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	<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	<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	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.302 J	<1.00	<5.00	<1.00	<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	<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	<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	<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	<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	<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	<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	<1.00
	9/1/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	02/06/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
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-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYS Class GA Standard		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
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	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.102 J	< 1.0	< 5.0	< 1.0	< 1.0	
	8/19/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	
11/16/2021	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0		
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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 25.0	< 5.0	< 5.0	
	11/6/2020	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 25.0	< 5.0	< 5.0	
	3/20/2021	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.359 J	< 1.0	< 5.0	< 1.0	< 1.0	
	6/2/2021	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J4	0.278 J	< 1.0	< 5.0	< 1.0	< 1.0	
	8/12/2021	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.268 J	< 1.0 J4	< 5.0	< 1.0	< 1.0	
11/17/2021	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.353 J	< 1.0	< 5.0	< 1.0	< 1.0		
2/2/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.325 J	< 1.0	< 5.0	< 1.0	< 1.0		
5/5/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.294 J	< 1.0 C3	< 5.0 C3	< 1.0	< 1.0		
11/29/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.381 J	< 1.0 C3	< 5.0	< 1.0	< 1.0		
3/9/2023	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 C3	< 1.0	< 5.0 C3	< 1.0	< 1.0		
5/31/2023	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.322 J	< 1.0	< 5.0	< 1.0	< 1.0		
8/31/2023	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.277 J	< 1.0	< 5.0	< 1.0	< 1.0		
11/29/2023	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0 C3 J4	< 1.0	< 1.0		
02/05/2024	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.133 J	< 1.0	< 5.0	< 1.0	< 1.0		
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	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	

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
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-Dichlorobenzene (o-Dichlorobenzene)	1,2-Dichloroethane
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYS Class GA Standard		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-27-D2 (cont.)	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	< 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	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.430 J	<1.00	<5.00	<1.00	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.00
	8/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	11/29/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	<1.00
	02/05/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<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	< 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	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.58 J	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.00
	8/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.826 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/29/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	<1.00
	02/06/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<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	0.21 J
	7/28/2016	< 1.0	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	<1.00
	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	<1.00
	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	<1.00

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
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-Dichlorobenzene (o-Dichlorobenzene)	1,2-Dichloroethane
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYS Class GA Standard		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D2R (cont.)	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.217 J	<1.00	<5.00	<1.00	<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	<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	<1.00
	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	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.256 J	<1.00	<5.00	<1.00	<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	<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	<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	<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	<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	<1.00
	8/31/2023	<1.00	<1.00	<1.00	<1.00	<1.00	0.302 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/29/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	<1.00
	02/06/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.00
9/1/2023		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
11/30/2023		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4	<1.00	<1.00	<1.00
02/06/2024		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<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	< 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	< 1.0
MW-29-VD	1/14/2016	< 1.0	< 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	< 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	< 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	< 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	< 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	< 2.0
MW-30-VD	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/14/2016	< 1.0	< 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	< 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	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		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	Bromoform	Bromomethane (Methyl bromide)
		1	3	3	50*	50	NE	50*	1	50*	*	5
NYS Class	GA Standard	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	< 50	< 25	< 25	25 J	80	< 5.0	< 5.0	< 5.0
AMW-13-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	6.5 J	< 1.0	0.99 J	3.4	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.4 J	4.5	< 1.0	1.1	< 1.0
AMW-13-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	3.3 J	3.2 J	< 1.0	0.97 J	4.2	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	4.8 J	< 1.0	< 1.0	0.62 J	< 1.0
AMW-13-VD	6/23/2016	< 1.0	< 1.0	< 1.0	3.2 J	< 5.0	< 5.0	18	< 1.0	< 1.0	3.1	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	5.8 J	< 5.0	2.4 J	46	< 1.0	< 1.0	< 1.0	< 1.0
AMW-14-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	4.6 J	< 1.0	0.85 J	2.5	< 1.0
	7/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.9 J	4.3	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	2.0 J	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	4.7	< 2.0	< 2.0	< 2.0
	7/12/2018	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	5.3 J	< 8.0	< 8.0	< 8.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	0.98 J	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	7.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.64 J	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.8	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	3.1	< 1.0	< 1.0	< 1.0
	6/10/2020	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	0.533 J	< 1.00	< 1.00	< 5.00
	8/19/2020	< 1.00	< 1.00 J4	< 1.00 J4	< 10.0	< 10.0	< 10.0	< 50.0	5.40	< 1.00	< 1.00	< 5.00
	11/4/2020	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	7.94	< 1.00	< 1.00 C3 J4	< 5.00
	3/19/2021	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	1.41 J	< 50.0	3.41	< 1.00	< 1.00 C3	< 5.00
	6/2/2021	< 1.00	< 1.00	< 1.00	< 10.0 C3	< 10.0	< 10.0	< 50.0 C3	6.24	< 1.00	< 1.00	< 5.00
	8/12/2021	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	5.51	< 1.00	< 1.00	< 5.00
	11/16/2021	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0 C3	2.10	< 1.00	< 1.00	< 5.00
	2/2/2022	< 1.00 J4	< 1.00	< 1.00	< 10.0	< 10.0	0.952 J	< 50.0 J4	4.61	< 1.00	< 1.00	< 5.00 C3
	5/5/2022	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	4.62	< 1.00	< 1.00	< 5.00
	8/24/2022	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0 C3 J4	< 10.0	< 50.0	3.90	< 1.00	< 1.00	< 5.00 C3
	11/29/2022	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	5.87	< 1.00	< 1.00	< 5.00
	3/9/2023	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0 J4	3.35	< 1.00	< 1.00	< 5.00
	5/31/2023	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	5.2	< 1.00	< 1.00	< 5.00
	9/1/2023	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	3.38	< 1.00	< 1.00 C3	< 5.00
	11/30/2023	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	2.16	< 1.00	< 1.00 C3	< 5.00
	02/05/2024	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0 C3	< 10.0	< 50.0	4.04	< 1.00	< 1.00	< 5.00
AMW-14-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	3.2 J	3.3 J	< 1.0	0.99 J	4.6	< 1.0
	7/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.1 J	0.88 J	< 1.0	1.3	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	9.6 J	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	< 10.0	< 10.0	< 10.0	< 100	< 100	< 100	< 500	< 10.0	< 10.0	< 10.0	< 50.0
	8/19/2020	< 10.0	< 10.0 J4	< 10.0 J4	< 100	< 100	< 100	< 500	< 10.0	< 10.0	< 10.0	< 50.0
	11/5/2020	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	< 1.00	< 1.00	< 1.00	< 5.00
	3/19/2021	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	< 1.00	< 1.00	< 1.00 C3	< 5.00
	6/2/2021	< 1.00	< 1.00	< 1.00	< 10.0 C3	< 10.0	< 10.0	< 50.0 C3	0.249 BJ	< 1.00	< 1.00	< 5.00

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		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	Bromoform	Bromomethane (Methyl bromide)
		1	3	3	50*	50	NE	50*	1	50*	*	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NYS Class GA Standard (cont.)	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00 C3
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/24/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	0.154 J	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	3/9/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	0.193 J	<1.00	<1.00	<5.00
	05/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.163 J	<1.00	<1.00	<5.00
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00
	11/30/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00
02/06/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	
AMW-14-VD	9/1/2023	< 1.0	< 1.0	< 1.0	3.9 J	< 5.0	2.1 J	22	< 1.0	0.87 J	3	< 1.0
	9/1/2023	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	8.9 J	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/2023	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.7 J	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/2023	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/2023	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/2023	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/2023	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/2023	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/2023	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	9/1/2023	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3 J4	<5.00
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	9/1/2023	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00 C3	<5.00
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	9/1/2023	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00 C3
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00
	09/01/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00
	11/30/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00
	02/05/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
AMW-15-D1	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	2.1 J	4.2 J	0.48 J	< 1.0	2.2	< 1.0
	7/27/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	3.9 J	< 5.0	< 5.0	< 5.0
	10/26/2016	< 10	< 10	< 10	< 100	< 50	< 50	< 100	11	< 10	< 10	< 10
	10/26/2016	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	5.1	< 4.0	< 4.0	< 4.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	12	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	11	< 2.0	< 2.0	< 2.0
	10/17/2018	< 5.0	< 5.0	< 5.0	< 250	< 50	< 50	< 130	12	< 5.0	< 5.0	< 5.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	6.3	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	6.2	< 1.0	< 1.0 *	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	6.6	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.8	< 1.0	< 1.0	< 1.0
	6/10/2020	<5.00	<5.00	<5.00	<50.0	<50.0	<50.0	<250	6.35	<5.00	<5.00	<25.0
	8/19/2020	<5.00	<5.00	<5.00	<50.0	<50.0	<50.0	<250	4.70 J	<5.00	<5.00	<25.0
	11/4/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	3.55	<1.00	<1.00	<5.00
	3/19/2021	<5.00	<5.00	<5.00	<50.0	<50.0	<50.0	<250	5.80	<5.00	<5.00 C3	<25.0
	6/2/2021	<1.00	<1.00	<1.00	<10.0 J3	<10.0	<10.0 J3	<50.0	1.74	<1.00 J3	<1.00	3.35 J
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	6.78	<1.00	<1.00	<5.00

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		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	Bromoform	Bromomethane (Methyl bromide)
		1	3	3	50*	50	NE	50*	1	50*	*	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NYS Class GA Standard	2/1/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	6.26	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.06	<1.00	<1.00	<5.00
	8/24/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	4.13	<1.00	<1.00	<5.00 C3
	11/28/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	5.99	<1.00	<1.00	<5.00
	3/10/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	3.56	<1.00	<1.00	<5.00
	06/01/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	4.11	<1.00	<1.00	<5.00 C3
	8/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.78	<1.00	<1.00	<5.00
	11/30/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00
	02/05/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
AMW-15-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	9.3 J	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	< 1.0	1.3 J	< 5.0	< 5.0	11	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.8 J	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	13	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	5.1 J	0.47 J	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	9.8	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	2.7 J	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.25 J	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.123 J	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.102 J	<1.00	<1.00	<5.00
	11/4/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.529 J	<1.00	<1.00 C3 J4	<5.00
	3/19/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.824 BJ	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.538 J	<1.00	<1.00	<5.00
	2/1/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.261 J	<1.00	<1.00	<5.00
	5/4/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.427 J	<1.00	<1.00	<5.00
	8/24/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.354 J	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.330 J	<1.00 J4	<1.00	<5.00
	3/10/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	0.198 J	<1.00	<1.00	<5.00
	6/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.344 J	<1.00	<1.00	<5.00 C3
	8/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.102 J	<1.00	<1.00	<5.00
	11/30/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00
02/05/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	
AMW-15-D3	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	6.9 J	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	7.3 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.6 J	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	36 J	3.7 J	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	16 J	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/1/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.29 J	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.664 J	<1.00	<1.00	<5.00
	11/4/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.430 J	<1.00	<1.00 C3 J4	<5.00
	3/19/2021	<1.00	<1.00	<1.00	11.0	<10.0	0.640 J	62.4	12.8	<1.00	<1.00	<5.00
	6/1/2021	<1.00	<1.00	<1.00	3.00 C3J	<10.0	<10.0	17.1 C3J	2.75	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	22.8	<10.0	0.960 J	84.1 C3	15.4	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	16.2	<10.0	0.843 J	60.5 C3	9.89	<1.00	<1.00	<5.00

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		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	Bromoform	Bromomethane (Methyl bromide)
		1	3	3	50*	50	NE	50*	1	50*	*	5
NYS Class GA Standard		1	3	3	50*	50	NE	50*	1	50*	*	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3 (cont.)	2/1/2022	<1.00	<1.00	<1.00	18.6 C5	<10.0	0.808 J	89.0	7.72	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	11.3	<10.0	1.08 J	64.7	7.96	<1.00	<1.00	<5.00
	11/28/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	0.107 J	<1.00	<1.00	<5.00
	3/9/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	13.6 J J4	1.66	<1.00	<1.00	<5.00
	6/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.120 J	<1.00	<1.00	<5.00 C3
	8/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/30/2023	<1.00	<1.00	<1.00	3.44 J	<10.0	0.623 J	31.4 J	4.36	<1.00	<1.00 C3	<5.00
	02/05/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
AMW-15-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.2 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	8.3 J	< 1.0	< 1.0	2.4	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	5.0 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/4/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3 J4	<5.00
	3/19/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.120 BJ	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	3.67 J	<10.0	<10.0	16.8 C3J	<1.00	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	2/1/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/24/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
	11/28/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00
	3/10/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00
	6/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00 C3
	8/31/2023	<1.00	<1.00	<1.00	12.0	<10.0	0.926 J	69.2	13.1	<1.00	<1.00	<5.00
11/30/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00	
02/05/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	2.53	<1.00	<1.00	<5.00	
AMW-3	1/13/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	280	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	3.4 J	< 5.0	< 5.0	21	< 1.0	< 1.0	< 1.0	< 1.0
AMW-7R	1/12/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	30 J	5.7	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	6.2 J	1.1	< 1.0	< 1.0	< 1.0
	7/11/2018	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	0.82 J	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	8.1 J	0.78 J	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.69 J	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.39 J	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.89 J	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.82 J	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.926 J	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	0.566 J	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.214 J	<1.00	<1.00 C3	<5.00 C3
	3/19/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.0960 J	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	1.08 B	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.109 J	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.124 J	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.395 J	<1.00	<1.00	<5.00
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.987 J	<1.00	<1.00	<5.00
	3/10/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	1.79	<1.00	<1.00	<5.00 C3
6/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00 C3	
8/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.153 J	<1.00	<1.00 C3	<5.00	
11/30/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.53	<1.00	<1.00 C3	<5.00	
02/06/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	0.333 J	<1.00	<1.00	<5.00 C3	
ASB-2	6/6/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	6	20	1.8	1.9	< 1.0	< 1.0
ASB-3	6/8/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	5.5 J	< 1.0	0.75 J	2.4	< 1.0
ASB-4	6/7/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	3.0 J	< 5.0	< 5.0	< 5.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		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	Bromoform	Bromomethane (Methyl bromide)
		1	3	3	50*	50	NE	50*	1	50*	*	5
NYS Class GA Standard		1	3	3	50*	50	NE	50*	1	50*	*	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ASB-5	6/2/2016	< 1.0	< 1.0	< 1.0	1.4 J	< 5.0	5	12	< 1.0	1.5	< 1.0	< 1.0
ASB-7	6/2/2016	< 2.0	< 2.0	< 2.0	< 20	< 10	5.3 J	< 20	< 2.0	3.3	< 2.0	< 2.0
MW-18R	6/22/2016	< 10	< 10	< 10	< 100	< 50	< 50	< 100	310	< 10	< 10	< 10
	7/11/2018	< 20	< 20	< 20	74 J	< 100	< 100	330	48	< 20	< 20	< 20
	10/17/2018	< 5.0	< 5.0	< 5.0	70 J	< 50	< 50	230	69	< 5.0	< 5.0	< 5.0
	9/14/2019	< 1.0	< 1.0	< 1.0	10	< 5.0	2.2 J	47	85	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	33	3.7 J	2.9 J	130	74	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	19	0.29 J	< 1.0	< 1.0	< 1.0
	6/9/2020	<5.00	<5.00	<5.00	10.7 J	<50.0	<50.0	<250	27.0	<5.00	<5.00	<25.0
	3/19/2021	<1.00	<1.00	<1.00	12.6	1.62 J	1.76 J	44.4 J	8.34	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	3.59 C3J	<10.0	0.967 J	16.8 C3J	8.23	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	14.0	<10.0	2.81 J	68.6	33.2	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<1.00	<1.00	5.30 J	<10.0	1.95 J	16.2 C3 J	45.3	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<1.00	<1.00	6.33 J	<10.0	1.05 J	17.3 J	7.11	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	6.75 J	<10.0	<10.0	<50.0	11.7	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	13.4 J	54.3	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	1.92 J	<10.0	1.90 J	<50.0	27.1	<1.00	<1.00	<5.00
	3/9/2023	<1.00	<1.00	<1.00	7.85 J	1.13 J	1.85 J	35.1 J	10.2	<1.00	<1.00	<5.00
	5/31/2023	<1.00	<1.00	<1.00	3.98 J	<10.0	1.04 J	<50.0	7.89	<1.00	<1.00	<5.00
	8/31/2023	<1.00	<1.00	<1.00	4.83 J	<10.0	1.26 J	18.7 J	41.1	<1.00	<1.00 C3	<5.00
	11/30/2023	<1.00	<1.00	<1.00	2.89 J	<10.0	1.38 J	<50.0	42.1	<1.00	<1.00 C3	<5.00
	02/06/2024	<1.00	<1.00	<1.00	3.65 J	<10.0 C3	1.23 J	17.8 J	23.7	<1.00	<1.00	<5.00 C3
MW-23-D1R	10/26/2016	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0
	10/26/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	1/12/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	6.4 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	2.7 J	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	3.8	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.5	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.4	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.56 J	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.408 J	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.312 J	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.0955 J	<1.00	<1.00 C3	<5.00 C3
	3/19/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.150 J	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.158 BJ	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.151 J	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.110 J	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	3/9/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00
	6/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00 C3
	8/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00
	02/06/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
MW-23-D2R	1/12/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	23	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	4.0 J	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.3	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.3	< 1.0	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		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	Bromoform	Bromomethane (Methyl bromide)
		1	3	3	50*	50	NE	50*	1	50*	*	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.8	< 1.0	< 1.0	< 1.0
	8/19/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.407 J	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3
	3/18/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.110 J	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.0948 BJ	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.134 J	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.0984 J	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.124 J	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	3/9/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00
	6/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00 C3
	8/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00
	11/30/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	0.372 C3 J	<5.00
	02/06/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	<1.00	<1.00	0.181 J	<5.00 C3
MW-24-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	5.4	< 4.0	< 4.0	< 4.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	4.1	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	4.9	< 1.0	< 1.0	< 1.0
	10/26/2016	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	11	< 8.0	< 8.0	< 8.0
	10/16/2018	< 5.0	< 5.0	< 5.0	< 250	< 50	< 50	< 130	8.3	< 5.0	< 5.0	< 5.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.5	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 5.0 [$\leq$ 5.0]	< 5.0 [$\leq$ 5.0]	13 [13]	< 1.0 [$\leq$ 1.0]	<1.0* [$\leq$ 1.0*]	< 1.0 [$\leq$ 1.0]
	12/5/2019	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 5.0 [$\leq$ 5.0]	9.4	5.7 [11]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]
	2/11/2020	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 5.0 [$\leq$ 5.0]	< 5.0 [$\leq$ 5.0]	< 5.0 [$\leq$ 5.0]	6 [$\leq$ 5.0]	8.9 [13]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]	< 1.0 [$\leq$ 1.0]
	6/9/2020	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<50.0 [$\leq$ 50.0]	<50.0 [$\leq$ 50.0]	<50.0 [$\leq$ 50.0]	<250 [$\leq$ 250]	10.3 [11.7]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<25.0 [$\leq$ 25.0]
	8/19/2020	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<50.0 [$\leq$ 50.0]	<50.0 [$\leq$ 50.0]	<50.0 [$\leq$ 50.0]	<250 [$\leq$ 250]	10.2 [9.74]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<25.0 [$\leq$ 25.0]
	11/5/2020	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<5.00 [$\leq$ 5.00]	<50.0 [$\leq$ 50.0]	<50.0 [$\leq$ 50.0]	<50.0 [$\leq$ 50.0]	<250 [$\leq$ 250]	10.9 [8.99]	<5.00 [$\leq$ 5.00]	<5.00 C3 [$\leq$ 5.00 C3]	<25.0 C3 [$\leq$ 25.0 C3]
	3/19/2021	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<10.0 [$\leq$ 50.0]	<10.0 [$\leq$ 50.0]	0.587 J [$\leq$ 50.0]	<50.0 [$\leq$ 250]	11.3 [11.5]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00] [$\leq$ 5.00 C3]	<5.00 [$\leq$ 25.0]
	6/1/2021	<1.00 [$\leq$ 5.00 C3]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<10.0 C3 [$\leq$ 50.0 C3]	<10.0 [$\leq$ 50.0 C3]	<10.0 [$\leq$ 50.0 C3]	<50.0 C3 [$\leq$ 250]	10.7 [9.19]	<1.00 [$\leq$ 5.00]	<1.00 [$\leq$ 5.00]	<5.00 [$\leq$ 25.0 C3]
	11/16/2021	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<10.0 [$\leq$ 10.0]	<10.0 [$\leq$ 10.0]	0.529 J [0.584 J]	<50.0 C3 [$\leq$ 50.0 J4]	8.94 [8.91]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<5.00 [$\leq$ 5.00]
	2/2/2022	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<10.0 [$\leq$ 10.0]	<10.0 [$\leq$ 10.0]	<10.0 [$\leq$ 10.0]	<50.0 [$\leq$ 50.0]	7.66 [8.31]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<5.00 [$\leq$ 5.00]
	5/4/2022	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<10.0 [$\leq$ 10.0]	<10.0 [$\leq$ 10.0]	<10.0 [$\leq$ 10.0]	<50.0 [$\leq$ 50.0]	11.2 [12.1]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<5.00 [$\leq$ 5.00]
	8/24/2022	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<10.0 [$\leq$ 10.0]	0 C3 J4 [$\leq$ 10.0 C3]	<10.0 [$\leq$ 10.0]	<50.0 [$\leq$ 50.0]	10.5 [9.61]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<5.00 C3 [$\leq$ 5.00 C3]
	11/29/2022	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<10.0 [$\leq$ 10.0]	<10.0 [$\leq$ 10.0]	<10.0 [$\leq$ 10.0]	<50.0 J4 [$\leq$ 50.0 J4]	8.84 [7.97]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<5.00 [$\leq$ 5.00]
	3/10/2023	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<10.0 [$\leq$ 100]	<10.0 [$\leq$ 100]	<10.0 [$\leq$ 100]	<50.0 [$\leq$ 500]	8.10 [6.96 J]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<5.00 [$\leq$ 50.0]
	5/31/2023	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<10.0 [$\leq$ 100]	<10.0 [$\leq$ 100]	<10.0 [$\leq$ 100]	<50.0 [$\leq$ 500]	9.57 [7.13 J]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<5.00 [$\leq$ 50.0]
	8/30/2023	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<10.0 [$\leq$ 10.0]	<10.0 [$\leq$ 100]	<10.0 [$\leq$ 100]	<50.0 [$\leq$ 500]	7.98 [7.11 J]	<1.00 [$\leq$ 10.0]	<1.00 [$\leq$ 10.0]	<5.00 [$\leq$ 50.0]
	11/30/2023	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<10.0 [$\leq$ 10.0]	<10.0 [$\leq$ 10.0]	<10.0 [$\leq$ 10.0]	<50.0 [$\leq$ 50.0]	6.70 [6.30]	<1.00 [$\leq$ 1.00]	<1.00 C3 [$\leq$ 1.00]	<5.00 [$\leq$ 5.00 C3]
	02/06/2024	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<10.0 [$\leq$ 10.0]	10.0 C3 [$\leq$ 10.0 C3]	<10.0 [$\leq$ 10.0]	<50.0 [$\leq$ 50.0]	7.22 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<1.00 [$\leq$ 1.00]	<5.00 C3 [$\leq$ 5.00 C3]
MW-24-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	3.3 J	< 5.0	< 5.0	< 5.0
	1/13/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	3.1 J	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	0.97 J	< 1.0	< 1.0	< 1.0
	10/25/2016	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	62	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	56	3.0 J	< 5.0	< 5.0	< 5.0
	7/5/2017	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0	< 8.0	< 8.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	2.8 J	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0
	12/5/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	5.2	1.4	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.4 J	< 1.0	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		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	Bromoform	Bromomethane (Methyl bromide)
		1	3	3	50*	50	NE	50*	1	50*	*	5
NYS Class GA Standard		1	3	3	50*	50	NE	50*	1	50*	*	5
Units		ug/L	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	<10.0	<10.0	<10.0	<50.0	0.367 J	<1.00	<1.00	<5.00
	8/18/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.227 J	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.581 J	<1.00	<1.00 C3	<5.00 C3
	3/19/2021	1.08	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.662 J	<1.00	<1.00	<5.00
	6/1/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.681 BJ	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.406 J	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.259 J	<1.00	<1.00	<5.00
	5/4/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.559 J	<1.00	<1.00	<5.00
	8/24/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.486 J	<1.00 J4	<1.00	<5.00
	3/10/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	0.207 J	<1.00	<1.00	<5.00
	5/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/30/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.147 J	<1.00	<1.00	<5.00
	11/29/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.126 J	<1.00	<1.00 C3	<5.00
	02/06/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	0.0986 J	<1.00	<1.00	<5.00 C3
MW-24-VDR	7/12/2018	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.4	< 1.0	< 1.0 *	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	5.5	7.2	< 1.0	< 1.0 *	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/18/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3
	3/19/2021	<1.00	<1.00	<1.00	<10.0	<10.0	2.68 J	139	<1.00	<1.00	<1.00	<5.00
	6/1/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.126 BJ	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.125 J	<1.00	<1.00	<5.00
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00
	3/10/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00
	5/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
8/30/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	
11/29/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00	
02/06/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3	
MW-26-D1	1/12/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	9.1	< 5.0	< 5.0	< 5.0
	6/22/2016	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	9.3	< 4.0	< 4.0	< 4.0
	10/25/2016	< 10	< 10	< 10	< 100	< 50	< 50	< 100	8.6 J	< 10	< 10	< 10
	10/25/2016	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	12	< 4.0	< 4.0	< 4.0
	7/5/2017	< 10	< 10	< 10	< 100	< 50	< 50	< 100	8.7 J	< 10	< 10	< 10
	8/27/2017	< 10	< 10	< 10	< 100	< 50	< 50	< 100	9.5 J	< 10	< 10	< 10
	10/11/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	6.5 J	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	17	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	4.9	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	9.3	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	6.2	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	7.5	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	8.93	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	6.46	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	5.88	<1.00	<1.00 C3	<5.00 C3
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	8.13	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	5.78	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	5.60	<1.00	<1.00	<5.00
	2/2/2022	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	4.30	<1.00	<1.00	<5.00 C3
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	8.67	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	8.97	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	10.9	<1.00	<1.00	<5.00
	3/10/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	5.40	<1.00	<1.00	<5.00
	6/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	11.0	<1.00	<1.00	<5.00 C3
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	9.43	<1.00	<1.00 C3	<5.00
	02/06/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	3.05	<1.00	<1.00	<5.00 C3

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		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	Bromoform	Bromomethane (Methyl bromide)
		1	3	3	50*	50	NE	50*	1	50*	*	5
NYS Class	GA Standard	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-26-D2	1/12/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	9.4 J	< 2.0	< 2.0	< 2.0	< 2.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	37	< 2.0	< 2.0	< 2.0	< 2.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	0.69 J	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.79 J	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.46 J	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	< 1.00	< 1.00	< 1.00	< 5.00
	8/19/2020	< 1.00	< 1.00 J4	< 1.00 J4	< 10.0	< 10.0	< 10.0	< 50.0	< 1.00	< 1.00	< 1.00	< 5.00
	11/16/2021	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0 C3	< 1.00	< 1.00	< 1.00	< 5.00
	1/13/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	170	< 1.0	< 1.0	< 1.0	< 1.0
MW-26-VD	1/13/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	53	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	1.7 J	< 5.0	< 5.0	5.0 J	< 1.0	< 1.0	< 1.0	< 1.0
MW-27-D1R	7/5/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	1.1 J	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	1.6 J	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	7.8	< 2.0	< 2.0	< 2.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	3.6	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.4	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	4.8	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	6.4	< 1.0	< 1.0	< 1.0
	8/19/2020	< 5.00	< 5.00 J4	< 5.00 J4	< 50.0	< 50.0	< 50.0	< 250	3.12 J	< 5.00	< 5.00	< 25.0
	11/6/2020	< 5.00	< 5.00	< 5.00	< 50.0	< 50.0	< 50.0	< 250	2.58 J	< 5.00	< 5.00 C3	< 25.0 C3
	3/20/2021	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	2.56	< 1.00	< 1.00 C3	< 5.00
	6/2/2021	< 1.00	< 1.00	< 1.00	< 10.0 C3	< 10.0	< 10.0	< 50.0 C3	3.98	< 1.00	< 1.00	< 5.00
	8/12/2021	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0 C3	3.05	< 1.00	< 1.00 C3	< 5.00
	11/17/2021	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0 C3	5.67	< 1.00	< 1.00	< 5.00
	2/2/2022	< 1.00 J4	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0 J4	2.42	< 1.00	< 1.00	< 5.00 C3
	5/5/2022	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	2.90	< 1.00	< 1.00	< 5.00
	11/29/2022	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	< 1.00	< 1.00	< 1.00	< 5.00
	3/9/2023	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0 J4	2.02	< 1.00	< 1.00	< 5.00
	5/31/2023	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	2.53	< 1.00	< 1.00	< 5.00
	8/31/2023	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	3.10	< 1.00	< 1.00 C3	< 5.00
	11/29/2023	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	0.728 J	< 1.00	< 1.00 C3	< 5.00
	02/05/2024	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0 C3	< 10.0	< 50.0	0.702 J	< 1.00	< 1.00	< 5.00
MW-27-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 4.0	< 4.0	< 4.0	8.2 J	< 20	< 20	38 J	160	< 4.0	< 4.0	< 4.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		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	Bromoform	Bromomethane (Methyl bromide)
		1	3	3	50*	50	NE	50*	1	50*	*	5
NYS Class	GA Standard	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-27-D2 (cont.)	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3
	3/20/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.263 BJ	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00 C3	<5.00
	11/17/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00 C3
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	3.41	<1.00	<1.00	<5.00
	3/9/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00
	5/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00
	11/29/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00
	02/05/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
MW-28-D1	6/24/2016	< 1.0	< 1.0	< 1.0	2.3 J	< 5.0	< 5.0	45	2.1	< 1.0	< 1.0	< 1.0
	7/28/2016	< 1.0	< 1.0	< 1.0	< 10.0	< 5.0	< 5.0	280	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	8.9	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 2.0	< 2.0	< 4.0	2.7 J	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 2.0	< 2.0	< 4.0	3.7 J	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	9.3 J	5.6	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.4	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	9.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	11.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	17.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	9.35	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	5.03	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	24.3	<1.00	<1.00 C3	<5.00 C3
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	4.45	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	5.94	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	6.10	<1.00	<1.00	<5.00
	2/2/2022	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00 C3
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.96	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.390 J	<1.00	<1.00	<5.00
MW-28-D2R	3/9/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	3.27	<1.00	<1.00	<5.00
	6/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	3.87	<1.00	<1.00	<5.00 C3
	8/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	1.74	<1.00	<1.00 C3	<5.00
	11/29/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.121 J	<1.00	<1.00 C3	<5.00
	02/06/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	2.49	<1.00	<1.00	<5.00 C3
	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	3.3 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	4.4 J	< 1.0	1.2	5.6	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 2.0	< 2.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 2.0	< 2.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.50 J	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.24 J	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		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	Bromoform	Bromomethane (Methyl bromide)
		1	3	3	50*	50	NE	50*	1	50*	*	5
NYS Class	GA Standard	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D2R (cont.)	3/20/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.174 BJ	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00 C3
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	3/9/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00
	6/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00 C3
	8/31/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00
	11/29/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.136 J	<1.00	<1.00 C3	<5.00
	02/06/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
MW-29-D1	1/14/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	25 J	81	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	9.5 J	6.3	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	32	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	5.5	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	9.7	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	19	< 2.0	< 2.0	< 2.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	4.3	< 4.0	< 4.0	< 4.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 40	9.1 J	< 20	< 40	5.2	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	3.7	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	9.8	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.67 J	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.110 J	<1.00	<1.00 C3	<5.00 C3
	3/20/2021	<1.00	<1.00	<1.00	<10.0	<10.0	0.488 J	<50.0	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	0.628 J	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	0.744 J	<50.0	<1.00	<1.00	<1.00	<5.00
	3/10/2023	<1.00	<1.00	<1.00	1.59 J	<10.0	2.43 J	<50.0 J4	<1.00	<1.00	<1.00	<5.00
	6/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	0.943 J	<50.0 C3	<1.00	<1.00	<1.00	<5.00 C3
	9/1/2023	<1.00	<1.00	<1.00	<10.0	<10.0	0.936 J	<50.0	<1.00	<1.00	<1.00 C3	<5.00
	11/30/2023	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00
	02/06/2024	<1.00	<1.00	<1.00	<10.0	<10.0 C3	1.95 J	<50.0	<1.00	<1.00	<1.00	<5.00 C3
MW-29-D2	1/14/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
MW-29-VD	1/14/2016	< 10	< 10	< 10	< 100	< 50	< 50	< 100	< 10	< 10	< 10	< 10
	6/21/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D1	1/14/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	1.1	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D2	1/14/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	1/14/2016	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-VD	1/14/2016	< 10	< 10	< 10	< 100	< 50	< 50	< 100	< 10	< 10	< 10	< 10
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	5.9 J	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	1/14/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	11	1.1	< 1.0	< 1.0	< 1.0
MW-31-D2R	1/14/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
		60*	5	5	5	7	5	5	0.4	NE	50	5	5
NYS Class	GA Standard	Units	ug/L	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	12	< 5.0	< 5.0	< 5.0
AMW-13-D1	6/24/2016	2.7	< 1.0	< 1.0	< 1.0	0.37 J	< 1.0	< 1.0	< 1.0	< 1.0	2.4	< 1.0	< 1.0
	7/27/2016	2.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.82 J	< 1.0	1.8
AMW-13-D2	6/23/2016	0.66 J	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	< 1.0	< 1.0	< 1.0	2.6	< 1.0	< 1.0
	7/27/2016	12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.41 J	< 1.0	< 1.0
AMW-13-VD	6/23/2016	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0
	7/27/2016	7.9	< 1.0	< 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	2.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2	< 1.0	< 1.0
	7/26/2016	2.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0	1.9	< 1.0	< 1.0	3.6
	7/5/2017	< 4.0	< 4.0	< 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	< 4.0	< 4.0
	10/11/2017	1.3 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3	< 2.0	< 2.0	7.2
	7/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	7.5 J
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	1
	5/10/2019	0.79 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	5.9
	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	0.43 J
	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	1.5
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.3 J	< 1.0 *	0.88 J	< 1.0 *	< 1.0	2.7
	6/10/2020	0.294 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.427 J	<1.00	<1.00	<1.00	<5.00	0.486 J
	8/19/2020	0.615 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	6.29
	11/4/2020	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	0.221 J	<1.00	2.02	<1.00	<5.00	6.53
	3/19/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.214 J	<1.00	1.33	<1.00	<5.00	3.34
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.144 J	<1.00	2.30 C5J4	<1.00	<5.00	6.68
	8/12/2021	0.713 J	<1.00	<1.00	<5.00	<5.00	<2.50 J4	<1.00	<1.00	<1.00	<1.00	<5.00	5.46
	11/16/2021	1.66	<1.00	<1.00	<5.00	<5.00	<2.50	0.227 J	<1.00	1.16	<1.00	<5.00	2.18
	2/2/2022	1.77	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	1.61	<1.00	<5.00	4.70
	5/5/2022	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	0.184 C3 J	<1.00	1.05	<1.00	<5.00	4.58
	8/24/2022	1.69	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	1.43	<1.00	<5.00	4.33
	11/29/2022	0.346 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	1.93 C5	<1.00	<5.00	6.90
	3/9/2023	0.467 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	0.954 J	<1.00	<5.00	5.53
	5/31/2023	0.921 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	1.45	<1.00	<5.00	6.13
	9/1/2023	0.471 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.170 C3 J	<1.00	0.311 C3 J	<1.00	<5.00	3.03
	11/30/2023	0.419 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	0.369 J	<1.00	<5.00	1.51
	02/05/2024	0.626 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50 C3	<1.00	<1.00	0.699 J	<1.00	<5.00	3.50
AMW-14-D2	6/23/2016	5.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.6	< 1.0	< 1.0
	7/26/2016	12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.79 J	< 1.0	< 1.0
	7/27/2016	8.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	2.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	0.94 J	< 1.0	< 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	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	5/10/2019	0.32 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.35 J	< 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	< 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
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<10.0	<10.0	<10.0	<50.0	<50.0	<25.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0
	8/19/2020	<10.0	<10.0	<10.0	<50.0	<50.0	<25.0	2.50 J	<10.0	<10.0	<10.0	<50.0	<10.0
	11/5/2020	0.533 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.244 J	<1.00	0.201 JJ4	<1.00	<5.00	0.138 B J

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
		60*	5	5	5	7	5	5	0.4	NE	50	5	5
NYS Class	GA Standard	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-14-D2 (cont.)	8/12/2021	1.10 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	0.585 J	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/5/2022	0.158 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/24/2022	0.861 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	0.396 J	<1.00	<5.00	<1.00
	11/29/2022	0.131 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/9/2023	0.125 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	05/31/2023	0.603 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.164 J	<1.00	0.544 J	<1.00	<5.00	<1.00
	9/1/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	<1.00 C3	<1.00	<5.00	<1.00
	11/30/2023	0.163 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	02/06/2024	0.138 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
AMW-14-VD	9/1/2023	0.63 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.32 J	2	<1.0	<1.0
	9/1/2023	9.9	<1.0	<1.0	<1.0	0.37 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	0.25 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0*	<1.0	<1.0	<1.0	<1.0	<1.0*	<1.0
	9/1/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.00	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	9/1/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	9/1/2023	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	9/1/2023	0.120 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	9/1/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	9/1/2023	1.23 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	9/1/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	9/1/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	9/1/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	9/1/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	9/1/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	9/1/2023	<1.00	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	09/01/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	9/1/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	<1.00 C3	<1.00	<5.00	<1.00
	11/30/2023	0.154 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	02/05/2024	0.171 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
AMW-15-D1	6/23/2016	0.46 J	<1.0	<1.0	<1.0	0.51 J	<1.0	20	<1.0	<1.0	1.1	<1.0	<1.0
	7/27/2016	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	220	<5.0	<5.0	<5.0	<5.0	<5.0
	10/26/2016	<10	<10	<10	<10	<10	<10	81	<10	<10	<10	<10	<10
	10/26/2016	1.7 J	<4.0	<4.0	<4.0	<4.0	<4.0	38	<4.0	2.0 J	<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	<4.0	<4.0
	8/27/2017	2.7 J	<4.0	<4.0	<4.0	<4.0	<4.0	5.1	<4.0	<4.0	<4.0	<4.0	4.1
	10/11/2017	2	<2.0	<2.0	<2.0	<2.0	<2.0	1.6 J	<2.0	<2.0	<2.0	<2.0	4.3
	10/17/2018	1.7 J	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2.8 J	<5.0	<5.0	5
	5/9/2019	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.79 J	<1.0	<1.0	2.6
	9/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.36 J	<1.0	0.66 J	<1.0	<1.0	2.3
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.63 J	<1.0	0.77 J	<1.0	<1.0	2.8
	2/11/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 *	0.33 J	<1.0 *	<1.0	0.99 J
	6/10/2020	<5.00	<5.00	<5.00	<25.0	<25.0	<12.5	<5.00	<5.00	<5.00	<5.00	<25.0	4.05 J
	8/19/2020	6.45	<5.00	<5.00	<25.0	<25.0	<12.5	<5.00	<5.00	<5.00	<5.00	<25.0	2.57 J
	11/4/2020	0.777 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.362 J	<1.00	<1.00	<1.00	<5.00	1.80
	3/19/2021	<5.00	<5.00	<5.00	<25.0	<25.0	<12.5 C3	<5.00	<5.00	<5.00	<5.00	<25.0	4.74 J
	6/2/2021	0.320 J	<1.00	<1.00 J3	<5.00 J3	<5.00	<2.50 J3	<1.00 J3	<1.00 J3	0.674 J J3	<1.00 J3 J4	<5.00 J3	1.55
	11/16/2021	1.42	<1.00	<1.00	<5.00	<5.00	<2.50	0.229 J	<1.00	1.55	<1.00	<5.00	5.19

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
		60*	5	5	5	7	5	5	0.4	NE	50	5	5
NYS Class	GA Standard	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D1 (cont.)	2/1/2022	0.394 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.168 J	<1.00	1.10	<1.00	<5.00	5.05
	5/5/2022	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	<1.00	<1.00	<5.00	1.61
	8/24/2022	1.30	<1.00	<1.00	<5.00	<5.00	<2.50	0.542 J	<1.00	0.665 J	<1.00	<5.00	2.63
	11/28/2022	0.248 J	<1.00	<1.00	<5.00	<5.00	<2.50	1.75	<1.00	0.851 J	<1.00	<5.00	3.45
	3/10/2023	0.199 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	0.405 J	<1.00	<5.00	3.22
	06/01/2023	0.356 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	0.616 J	<1.00	0.401 J	<1.00	<5.00	2.48
	8/31/2023	0.236 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.342 C3 J	<1.00	<1.00	<1.00	<5.00	0.937 J
	11/30/2023	0.195 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	02/05/2024	0.106 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
AMW-15-D2	6/23/2016	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	3.3	<1.0	<1.0	<1.0	<1.0	<1.0
	6/23/2016	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	3	<1.0	<1.0	<1.0	<1.0	<1.0
	7/27/2016	0.42 J	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<1.0
	10/26/2016	0.75 J	<1.0	<1.0	<1.0	<1.0	<1.0	0.86 J	<1.0	<1.0	<1.0	<1.0	<1.0
	10/26/2016	0.42 J	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<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	<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	<4.0	5.1
	10/11/2017	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	10/17/2018	0.34 J	<1.0	<1.0	<1.0	<1.0	<1.0	0.26 J	<1.0	<5.0	<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	<1.0*	<1.0
	9/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.34 J	<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
	2/11/2020	<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	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.310 J	<1.00	<1.00	<1.00	<5.00	<1.00
	8/19/2020	2.33	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/4/2020	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	0.188 J	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	0.230 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.157 J	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.242 J	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	8/12/2021	4.08 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	0.885 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.161 J	<1.00	<1.00	<1.00	<5.00	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.194 J	<1.00	<1.00	<1.00	<5.00	<1.00
	5/4/2022	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	0.176 C3 J	<1.00	<1.00	<1.00	<5.00	<1.00
	8/24/2022	0.616 J	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.184 J	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	0.159 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.370 J J4	<1.00	<1.00	<1.00	<5.00	<1.00
	3/10/2023	0.172 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/1/2023	0.520 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	0.242 J	<1.00	<1.00	<1.00	<5.00	<1.00
	8/31/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	<1.00	<1.00	<5.00	<1.00
	11/30/2023	0.135 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	02/05/2024	0.119 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
AMW-15-D3	6/23/2016	4.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/23/2016	4.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/27/2016	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/27/2017	1.8 J	<4.0	<4.0	<4.0	<4.0	<4.0	19	<4.0	<4.0	<4.0	<4.0	3.4 J
	10/11/2017	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	7/13/2018	0.70 J	<2.0	<2.0	<2.0	<2.0	<2.0	3.1	<2.0	<2.0	<2.0	<2.0	<2.0
	10/17/2018	0.42 J	<1.0	<1.0	<1.0	<1.0	<1.0	0.44 J	<1.0	<5.0	<1.0	<1.0	<1.0
	5/10/2019	0.29 J	<1.0	<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	<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
	2/11/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.99 J	<1.0*	<1.0	<1.0	<1.0	<1.0
	6/9/2020	0.318 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/19/2020	1.93	<1.00	<1.00	<5.00	<5.00	<2.50	1.73	<1.00	<1.00	<1.00	<5.00	0.161 J
	11/4/2020	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	0.951 J	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	1.23	<1.00	<1.00	<5.00	<5.00	<2.50	13.0	<1.00	0.672 J	<1.00	<5.00	1.97
	6/1/2021	1.29	<1.00	<1.00	<5.00	<5.00	<2.50 C3	3.81	<1.00	0.193 J J4	<1.00	<5.00	0.562 B J
	8/12/2021	5.26	<1.00	<1.00	<5.00	<5.00	<2.50	14.3	<1.00	0.639 J	<1.00	<5.00	2.22 B
	11/16/2021	2.96	<1.00	<1.00	<5.00	<5.00	<2.50	12.1	<1.00	0.861 J	<1.00	<5.00	1.57

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
NYS Class	GA Standard	60*	5	5	5	7	5	5	0.4	NE	50	5	5
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3 (cont.)	2/1/2022	1.89	<1.00	<1.00	<5.00	<5.00	<2.50	8.74	<1.00	0.705 J	<1.00	<5.00	1.02
	5/5/2022	2.38 C3	<1.00	<1.00	<5.00	<5.00	<2.50	8.40 C3	<1.00	0.378 J	<1.00	<5.00	1.01
	11/28/2022	0.456 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.132 J	<1.00	<1.00	<1.00	<5.00	<1.00
	3/9/2023	0.257 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	1.45	<1.00	<1.00	<1.00	<5.00	0.215 J
	6/1/2023	0.186 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/31/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.281 C3 J	<1.00	<1.00	<1.00	<5.00	<1.00
	11/30/2023	1.33	<1.00	<1.00	<5.00	<5.00	<2.50	3.37	<1.00	0.262 J	<1.00	<5.00	0.412 J
	02/05/2024	<1.00	<1.00	<1.00	<5.00 C3	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<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	<1.0	<1.0
	7/27/2016	<1.0	<1.0	<1.0	<1.0	0.74 J	<1.0	<1.0	<1.0	<1.0	1	<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	<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	<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	<1.0	<1.0
	10/17/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<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	<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	<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
	2/11/2020	<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	<1.00	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/19/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/4/2020	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	8/12/2021	1.47 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/24/2022	0.266 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/28/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/10/2023	<1.00	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/31/2023	1.53	<1.00	<1.00	<5.00	<5.00	<2.50	9.33 C3	<1.00	0.566 J	<1.00	<5.00	1.28
	11/30/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	02/05/2024	3.42	<1.00	<1.00	<5.00 C3	<5.00	<2.50 C3	3.11	<1.00	<1.00	<1.00	<5.00	0.374 J
AMW-3	1/13/2016	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	57	<5.0	<5.0	29
	6/21/2016	0.51 J	<1.0	<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	<5.0	<5.0
	6/21/2016	0.43 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	18	<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	16	<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	29	<1.0	<1.0	0.19 J
	5/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0*	<1.0	<1.0	19	<1.0	<1.0	0.39 J
	9/14/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	16	<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	11	<1.0	<1.0	0.49 J
	2/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0*	17	<1.0	<1.0	0.49 J
	6/9/2020	<1.00	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	13.5	<1.00	<5.00	0.805 J
	8/19/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	14.6	<1.00	<5.00	0.331 J
	11/6/2020	0.271 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	11.6	<1.00	<5.00	<1.00
	3/19/2021	0.140 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	2.77	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	11.9 C5 J4	<1.00	<5.00	0.892 B J
	8/12/2021	1.06 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	4.00	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	4.88	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	2.01	<1.00	<5.00	<1.00
	11/29/2022	0.157 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	5.97 C5	<1.00	<5.00	0.461 J
	3/10/2023	0.564 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	2.86	<1.00	<5.00	0.992 J
	6/1/2023	<1.00	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00	1.74	<1.00	<5.00	<1.00
	8/31/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	3.65 C3	<1.00	<5.00	<1.00
	11/30/2023	0.360 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	2.67	<1.00	<5.00	2.09
	02/06/2024	0.198 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	7.36	<1.00	<5.00 C3	0.218 J
ASB-2	6/6/2016	1.1	<1.0	<1.0	<1.0	14	<1.0	5.6	<1.0	<1.0	0.35 J	<1.0	<1.0
ASB-3	6/8/2016	0.27 J	<1.0	<1.0	<1.0	0.92 J	<1.0	2.8	<1.0	<1.0	1.5	<1.0	<1.0
ASB-4	6/7/2016	0.95 J	<5.0	<5.0	<5.0	<5.0	<5.0	1600 E	<5.0	5	<5.0	<5.0	6.7

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NYS Class GA Standard		60*	5	5	5	7	5	5	0.4	NE	50	5	5
	Units												
ASB-5	6/2/2016	0.53 J	< 1.0	< 1.0	< 1.0	19	< 1.0	2.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-7	6/2/2016	1.1 J	< 2.0	< 2.0	< 2.0	21	< 2.0	67	< 2.0	< 2.0	0.65 J	< 2.0	< 2.0
MW-18R	6/22/2016	< 10	< 10	< 10	< 10	< 10	< 10	14	< 10	< 10	< 10	< 10	< 10
	7/11/2018	6.2 J	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
	10/17/2018	2.4 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	8.3 J	< 5.0	< 5.0	1.2 J
	9/14/2019	3.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	6.7	< 1.0	< 1.0	1.4
	12/5/2019	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	< 1.0	7.2	< 1.0	< 1.0	1.6
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	0.66 J	< 1.0	< 1.0	< 1.0
	6/9/2020	1.26 J	< 5.00	< 5.00 J4	< 25.0	< 25.0	< 12.5	< 5.00	< 5.00	2.51 J	< 5.00	< 25.0	1.27 J
	3/19/2021	1.28	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.268 J	< 1.00	4.84	< 1.00	< 5.00	0.672 J
	6/2/2021	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50 C3	< 1.00	< 1.00	1.44 C5 J4	< 1.00	< 5.00	0.274 B J
	8/12/2021	2.58	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50 J4	< 1.00	< 1.00	3.32	< 1.00	< 5.00	0.916 J
	11/16/2021	1.98	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.357 J	< 1.00	6.05	< 1.00	< 5.00	1.35
	2/2/2022	1.21	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	< 1.00	< 1.00	2.95	< 1.00	< 5.00	0.658 J
	5/5/2022	0.804 J	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	< 1.00	< 1.00	3.77	< 1.00	< 5.00	0.826 J
	8/25/2022	1.76	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	< 1.00	< 1.00	1.81	< 1.00	< 5.00	0.537 J
	11/29/2022	0.850 J	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	< 1.00	< 1.00	3.75 C5	< 1.00	< 5.00	0.936 J
	3/9/2023	1.02	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.177 J	< 1.00	3.66	< 1.00	< 5.00	0.933 J
	5/31/2023	0.313 J	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	< 1.00	< 1.00	2.07	< 1.00	< 5.00	0.448 J
	8/31/2023	1.14	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.198 C3 J	< 1.00	2.58 C3	< 1.00	< 5.00	0.984 J
	11/30/2023	0.829 J	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	< 1.00	< 1.00	2.93	< 1.00	< 5.00	0.791 J
	02/06/2024	3.72 C3	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	< 1.00	< 1.00	3.20	< 1.00	< 5.00 C3	0.641 J
MW-23-D1R	10/26/2016	0.53 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.40 J	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 4.0	< 4.0
	10/17/2018	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.7	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.73 J	< 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	0.72 J	< 1.0	0.41 J	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.35 J	< 1.0 *	< 1.0	< 1.0	< 1.0 *	< 1.0
	6/10/2020	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.382 J	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00
	8/19/2020	0.671 J	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.517 J	< 1.00	0.267 J	< 1.00	< 5.00	< 1.00
	11/5/2020	0.400 J	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.267 J	< 1.00	0.259 J	< 1.00	< 5.00	< 1.00
	3/19/2021	0.142 J	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.196 J	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00
	6/2/2021	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50 C3	0.245 J	< 1.00	< 1.00 J4	< 1.00	< 5.00	< 1.00
	8/12/2021	8.06	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.388 J	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00
	11/16/2021	1.06	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.529 J	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00
	2/2/2022	0.202 J	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.388 J	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00
	5/5/2022	< 1.00 C3	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.215 C3 J	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00
	8/25/2022	0.296 J	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50 C3	0.582 J	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00
	11/29/2022	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	0.137 J	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00
	3/9/2023	0.112 J	< 1.00	< 1.00	< 5.00	< 5.00 C3	< 2.50	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00
	6/1/2023	0.593 J	< 1.00	< 1.00	< 5.00 C3	< 5.00	< 2.50	0.308 J	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00
	8/31/2023	0.740 J	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	< 1.00 C3	< 1.00	< 1.00 C3	< 1.00	< 5.00	< 1.00
	02/06/2024	0.285 C3 J	< 1.00	< 1.00	< 5.00	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00 C3	< 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	< 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	< 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	< 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	< 4.0	< 4.0
	10/12/2017	0.44 J	< 1.0	< 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	< 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	< 1.0*	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
NYS Class	GA Standard	60*	5	5	5	7	5	5	0.4	NE	50	5	5
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	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
	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
	8/19/2020	0.253 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/5/2020	0.447 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/18/2021	0.119 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	8/12/2021	4.96	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/25/2022	0.342 J	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/9/2023	0.110 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/31/2023	0.137 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	<1.00 C3	<1.00	<5.00	<1.00
	11/30/2023	0.139 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	02/06/2024	0.206 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00 C3	<1.00
MW-24-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	1.6 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	4.9	< 4.0	1.9 J	< 4.0	< 4.0	3.1 J
	10/26/2016	1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4	< 1.0	1.6	< 1.0	< 1.0	2.3
	10/26/2016	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.1	< 1.0	1.4	< 1.0	< 1.0	2.2
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	2.1 J	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	7.1 J
	10/16/2018	1.4 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	6.1
	5/9/2019	0.62 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0
	9/13/2019	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]	1.1	<1.0 [1.0]	<1.0 [1.0]	7.9 [7.2]
	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 [0.99 J]	<1.0 [1.0]	<1.0 [1.0]	2.4 [7.2]
	2/11/2020	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]	0.65 J [1.1]	<1.0 [1.0]	<1.0 [1.0]	5.7 [8.9]
	6/9/2020	<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]	<5.00 [5.00]	<5.00 [5.00]	<25.0 [25.0]	8.28 [8.90]
	8/19/2020	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]	<5.00 [5.00]	<5.00 [5.00]	<25.0 [25.0]	6.80 [6.57]
	11/5/2020	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]	<5.00 [5.00]	<5.00 [5.00]	<25.0 [25.0]	7.18 [5.76]
	3/19/2021	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]	0.766 J [5.00]	<1.00 [5.00]	<5.00 [5.00]	8.35 [9.32]
	6/1/2021	<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]	0.814 J J4 [5.00]	<1.00 [5.00]	<5.00 [25.0]	7.61 [6.22]
	11/16/2021	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]	0.881 J [0.353 J]	<1.00 [1.00]	<5.00 [5.00]	5.98 [6.64]
	2/2/2022	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]	<1.00 [1.00]	<1.00 [1.00]	<5.00 [5.00]	4.91 [5.75]
	5/4/2022	<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]	0.394 J [1.00]	<1.00 [1.00]	<5.00 [5.00]	7.81 [8.33]
	8/24/2022	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]	0.736 J [0.785 J]	<1.00 [1.00]	<5.00 [5.00]	7.55 [7.22]
	11/29/2022	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]	0.529 J [0.497 J]	<1.00 [1.00]	<5.00 [5.00]	5.30 [4.90]
	3/10/2023	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]	<1.00 [10.0]	<5.00 [50.0]	<5.00 [50.0]	5.25 [4.01 J]
	5/31/2023	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]	0.913 J [10.0]	<1.00 [10.0]	<5.00 [50.0]	7.14 [6.20 J]
	8/30/2023	0.681 J [10.0]	<1.00 [10.0]	<1.00 [10.0]	<5.00 [50.0]	<5.00 [50.0]	<2.50 [25.0]	59 C3 J [10.0]	<1.00 [10.0]	0.324 J [10.0]	<1.00 [10.0]	<5.00 [50.0]	6.04 [5.16 J]
	11/30/2023	0.897 J [0.768 J]	<1.00 [1.00]	<1.00 [1.00]	<5.00 [5.00]	<5.00 [5.00]	<2.50 [2.50]	0.252 J [0.174 J]	<1.00 [1.00]	0.395 J [0.348 J]	<1.00 [1.00]	<5.00 [5.00]	5.19 [4.98]
	02/06/2024	30 C3 J [0.305 C]	<1.00 [1.00]	<1.00 [1.00]	<5.00 [5.00]	<5.00 [5.00]	<2.50 [2.50]	0.251 J [1.00]	<1.00 [1.00]	0.415 J [1.00]	<1.00 [1.00]	<5.00 C3 [5.00 C3]	5.47 [1.00]
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	< 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	< 5.0	< 5.0
	6/21/2016	0.31 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	0.84 J
	10/25/2016	< 4.0	< 4.0	< 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	< 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	< 8.0	< 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	< 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	< 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	< 2.0	< 2.0
	10/17/2018	0.24 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.52 J	< 1.0	< 5.0	< 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	< 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	< 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
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
		60*	5	5	5	7	5	5	0.4	NE	50	5	5
NYS Class	GA Standard	Units	ug/L	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	0.167 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	0.467 J	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/18/2020	0.266 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.364 J	<1.00	<1.00	<1.00	<5.00	<1.00
	11/5/2020	0.931 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.809 J	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	0.376 J	<1.00	<1.00	<5.00	0.197 J	<2.50	0.652 J	<1.00	<1.00	<1.00	<5.00	<1.00
	6/1/2021	<1.00	<1.00	<1.00	<5.00	0.122 J	<2.50 C3	0.514 J	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	11/16/2021	1.19	<1.00	<1.00	<5.00	<5.00	<2.50	0.555 J	<1.00	<1.00	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.358 J	<1.00	<1.00	<1.00	<5.00	<1.00
	5/4/2022	0.415 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.464 J	<1.00	<1.00	<1.00	<5.00	<1.00
	8/24/2022	0.166 J	<1.00 J4	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	0.796 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.162 J J4	<1.00	<1.00	<1.00	<5.00	<1.00
	3/10/2023	0.405 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/31/2023	0.359 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/30/2023	0.278 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.152 C3 J	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2023	0.238 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	02/06/2024	0.490 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.152 J	<1.00	<1.00	<1.00	<5.00 C3	<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	<4.0	<4.0
	10/17/2018	0.64 J	<1.0	<1.0	<1.0	<1.0	<1.0	0.28 J	<1.0	<5.0	<1.0	<1.0	<1.0
	5/9/2019	0.30 J	<1.0	<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	<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
	2/11/2020	<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	0.347 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	0.206 J	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/18/2020	0.394 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.140 J	<1.00	<1.00	<1.00	<5.00	<1.00
	11/5/2020	0.423 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.218 J	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	0.150 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/1/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.141 J	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/10/2023	0.115 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/31/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/30/2023	0.168 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2023	0.111 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	02/06/2024	0.230 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00 C3	<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	<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	<4.0	<4.0
	10/25/2016	<10	<10	<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	<4.0	3.0 J
	7/5/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	8/27/2017	<10	<10	<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	<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	<2.0	3.5
	10/17/2018	0.45 J	<1.0	<1.0	<1.0	<1.0	<1.0	0.42 J	<1.0	<5.0	<1.0	<1.0	0.95 J
	9/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	1.8
	12/6/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.75 J	<1.0	<1.0	<1.0	<1.0	1.2
	2/11/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0*	<1.0	<1.0*	<1.0	1.3
	6/10/2020	0.773 J	<1.00	<1.00	<5.00	<5.00	<2.50	3.28	<1.00	<1.00	<1.00	<5.00	2.47
	8/19/2020	0.360 J	<1.00	<1.00	<5.00	<5.00	<2.50	1.45	<1.00	<1.00	<1.00	<5.00	1.38
	11/6/2020	0.582 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.903 J	<1.00	0.189 J	<1.00	<5.00	1.05
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.486 J	<1.00	0.191 J J4	<1.00	<5.00	1.99
	8/12/2021	0.556 J	<1.00	<1.00	<5.00	<5.00	<2.50 J4	0.236 J	<1.00	0.276 J	<1.00	<5.00	0.973 J
	11/16/2021	1.38	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	0.947 J
	2/2/2022	0.625 J	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	<1.00	<1.00	<5.00	0.657 J
	5/5/2022	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	0.211 J	<1.00	<5.00	2.39
	8/25/2022	1.09	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	0.506 J	<1.00	<5.00	2.74
	11/29/2022	0.174 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	1.69
	3/10/2023	0.141 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	2.08
	6/1/2023	0.299 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00	0.253 J	<1.00	<5.00	4.17
	9/1/2023	0.519 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	0.203 C3 J	<1.00	<5.00	4.03
	02/06/2024	0.447 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00 C3	1.16

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
NYS Class	GA Standard	60*	5	5	5	7	5	5	0.4	NE	50	5	5
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
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	< 5.0	< 5.0
	6/22/2016	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.66 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/25/2016	0.60 J	< 2.0	< 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	< 2.0	< 2.0
	7/5/2017	0.37 J	< 1.0	< 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	< 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	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	0.39 J
	5/9/2019	0.25 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0*	0.44 J
	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
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.37 J	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.254 J	<1.00	<1.00	<1.00	<5.00	<1.00
	8/19/2020	0.204 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.398 J	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	0.770 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	1/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	0.19 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	0.66 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-26-VD	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.2	< 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	3.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
MW-27-D1R	7/13/2018	0.64 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2	< 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	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	5/10/2019	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.57 J	< 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	0.80 J	< 1.0	< 1.0	< 1.0	< 1.0	0.40 J
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.95 J	< 1.0	< 1.0	< 1.0	< 1.0	0.48 J
	8/19/2020	0.852 J	<5.00	<5.00	<25.00	<25.00	<12.50	0.855 J	<5.00	<5.00	<5.00	<25.00	<5.00
	11/6/2020	1.74 J	<5.00	<5.00	<25.00	<25.00	<12.50	1.13 J	<5.00	<5.00	<5.00	<25.00	<5.00
	3/20/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.751 J	<1.00	<1.00	<1.00	<5.00	0.263 J
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.790 J	<1.00	<1.00 J4	<1.00	<5.00	0.387 B J
	8/12/2021	10.7	<1.00	<1.00	<5.00	<5.00	<2.50	0.635 J	<1.00	<1.00	<1.00	<5.00	0.322 BJ
	11/17/2021	1.34	<1.00	<1.00	<5.00	<5.00	<2.50	1.10	<1.00	0.673 J	<1.00	<5.00	0.722 J
	2/2/2022	1.27	<1.00	<1.00	<5.00	<5.00	<2.50 J3	0.712 J	<1.00	<1.00	<1.00	<5.00	0.165 J
	5/5/2022	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	0.724 C3 J	<1.00	<1.00	<1.00	<5.00	0.394 J
	11/29/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/9/2023	0.180 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	0.214 J
	5/31/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.605 J	<1.00	0.517 J	<1.00	<5.00	0.258 J
	8/31/2023	0.303 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.588 C3 J	<1.00	<1.00 C3	<1.00	<5.00	0.355 J
	11/29/2023	0.288 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.169 J	<1.00	<1.00	<1.00	<5.00	<1.00
	02/05/2024	0.241 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50 C3	0.224 J	<1.00	<1.00	<1.00	<5.00	<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	< 5.0	< 5.0
	6/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	22 J	< 4.0	< 4.0	< 4.0	92
	7/5/2017	< 1.0	< 1.0	< 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	< 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	< 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	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 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	< 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	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
		60*	5	5	5	7	5	5	0.4	NE	50	5	5
NYS Class	GA Standard	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-27-D2 (cont.)	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
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	0.133 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/19/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/20/2021	0.155 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	0.193 B J
	8/12/2021	0.421 B J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/17/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/25/2022	0.143 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	0.263 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.617 J	<1.00	<1.00	<1.00	<5.00	0.321 J
	3/9/2023	0.112 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/31/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/31/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	<1.00 C3	<1.00	<5.00	<1.00
	11/29/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	02/05/2024	0.113 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
MW-28-D1	6/24/2016	1	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0	< 1.0
	7/5/2017	0.40 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	4.9	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	0.47 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	1.4
	5/9/2019	0.34 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	0.49 J
	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	1.7
	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	1.1
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	2.1
	6/9/2020	<1.00	<1.00	<1.00 J4	<5.00	<5.00	<2.50	0.164 J	<1.00	<1.00	<1.00	<5.00	2.5
	8/19/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	0.750 J
	11/6/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.305 J	<1.00	0.296 J	<1.00	<5.00	3.68
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	1.74
	8/12/2021	6.60	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	1.48 B
	11/16/2021	1.38	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	1.53
	2/2/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	1.47
	8/25/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	0.307 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/9/2023	0.312 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	1.34
	6/1/2023	0.736 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	0.217 J	<1.00	<1.00	<1.00	<5.00	1.15
	8/31/2023	0.512 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.158 C3 J	<1.00	<1.00 C3	<1.00	<5.00	0.581 J
	11/29/2023	0.200 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	02/06/2024	0.202 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00 C3	0.751 J
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	< 1.0	< 1.0
	7/28/2016	0.52 J	< 1.0	< 1.0	< 1.0	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	3.2	< 1.0	< 1.0
	7/5/2017	0.38 J	< 1.0	< 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	< 4.0	< 4.0
	10/11/2017	0.95 J	< 1.0	< 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 J	< 4.0	< 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	< 5.0	< 1.0	< 1.0	< 1.0
	5/9/2019	0.27 J	< 1.0	< 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	< 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	< 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	< 1.0	< 1.0
	6/9/2020	0.781 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/19/2020	0.404 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/6/2020	0.424 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
		60*	5	5	5	7	5	5	0.4	NE	50	5	5
NYS Class	GA Standard	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D2R (cont.)	3/20/2021	0.102 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	8/12/2021	1.48 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	1.57	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	2/2/2022	1.12	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/25/2022	0.323 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	0.106 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/9/2023	0.136 J	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/1/2023	<1.00	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/31/2023	0.131 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	<1.00 C3	<1.00	<5.00	<1.00
	11/29/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	02/06/2024	0.200 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00 C3	<1.00
MW-29-D1	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	13	< 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	8	< 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	21	< 1.0	< 1.0	< 1.0
	10/26/2016	0.21 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	11	< 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	7.6	< 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	12	< 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	5.4	< 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	24	< 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	20	< 1.0	< 1.0	0.31 J
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	24	< 1.0	< 1.0*	0.34 J
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.8	< 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	0.47 J	< 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 *	< 1.0	< 1.0
	6/10/2020	0.307 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/19/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/6/2020	0.364 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	0.536 J	<1.00	<5.00	<1.00
	3/20/2021	0.130 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	0.452 J	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	8/12/2021	0.412 J	<1.00	<1.00	<5.00	<5.00	<2.50 J4	<1.00	<1.00	0.556 J	<1.00	<5.00	<1.00
	5/5/2022	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	0.428 J	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/10/2023	<1.00	<1.00	<1.00	<5.00	<5.00 C3	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/1/2023	0.109 J	<1.00	<1.00	<5.00 C3	<5.00	<2.50	<1.00	<1.00	0.235 J	<1.00	<5.00	<1.00
	9/1/2023	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	<1.00 C3	<1.00	<5.00	<1.00
	11/30/2023	0.212 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	02/06/2024	0.252 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00 C3	<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	< 1.0	< 1.0
	6/21/2016	0.62 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-29-VD	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/21/2016	< 1.0	< 1.0	< 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	0.39 J	< 1.0	< 1.0	< 1.0
	6/22/2016	0.19 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.27 J	< 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	< 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	< 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	< 1.0	< 1.0
MW-30-VD	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 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	< 1.0	< 1.0
	6/22/2016	0.32 J	< 1.0	< 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	< 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	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		Isopropyl- benzene	Methyl acetate	Methyl-t- butyl ether	Methyl- cyclohexane	Methylene chloride (Dichloro- methane)	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	Trichloro- ethene (Trichloro- ethylene)
NYS Class	GA Standard	5*	NE	10*	NE	5	5*	5	5	5	0.4	5
	Units	ug/L	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	24	< 13	32.0	5.4	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
AMW-13-D1	6/24/2016	< 1.0	< 2.5	10	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	63 F1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-D2	6/23/2016	< 1.0	< 2.5	3.5	< 1.0	< 1.0	< 1.0	0.57 J	1.3	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	41	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-VD	6/23/2016	< 1.0	< 2.5	5	< 1.0	< 1.0	< 1.0	1.5	1.6	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	3.4	< 1.0	< 1.0	< 1.0	1	1.3	< 1.0	< 1.0	< 1.0
AMW-14-D1	6/24/2016	< 1.0	< 2.5	12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/26/2016	< 1.0	< 2.5	140 E	0.97 J	< 1.0	< 1.0	< 1.0	7.1	7.8	< 1.0	< 1.0
	7/5/2017	< 4.0	< 10	170	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 10	170	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 5.0	170	2.4	0.95 J	< 2.0	< 2.0	1.0 J	13	< 2.0	< 2.0
	7/12/2018	< 8.0	< 20	160	1.7 J	< 8.0	< 8.0	< 8.0	< 8.0	8.6	< 8.0	< 8.0
	10/17/2018	< 1.0	< 10	120	0.40 J	< 5.0	< 1.0	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0
	5/10/2019	1.0	< 5.0	250	3.0	< 1.0	< 1.0	< 1.0	0.84 J	11	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.5	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	94	0.74 J	< 1.0	< 1.0	< 1.0	< 1.0	9.0	< 1.0	0.44 J
	2/12/2020	0.44 J	< 5.0	130	1.2	< 1.0	< 1.0	< 1.0	0.58 J	12.0	< 1.0	0.46 J
	6/10/2020	0.172 J	< 20.0	37.6	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	3.79	< 1.00	0.218 J
	8/19/2020	1.08	< 20.0	181	3.18	< 5.00	< 1.00	< 1.00	0.465 J	10.8	< 1.00	< 1.00
	11/4/2020	1.18	< 20.0	190	3.97	< 5.00	< 1.00	< 1.00	0.552 J	12.1	< 1.00	0.290 J
	3/19/2021	0.698 J	< 20.0	53.9	1.86	< 5.00	< 1.00	< 1.00	0.439 J	14.3	< 1.00	0.342 J
	6/2/2021	1.26	< 20.0 C3	164	5.18	< 5.00	< 1.00	< 1.00	0.413 J	16.2	< 1.00	0.335 J
	8/12/2021	0.901 J	< 20.0	140	3.53	< 5.00	< 1.00	< 1.00	0.455 J	22.2	< 1.00	< 1.00
	11/16/2021	0.516 J	< 20.0	55.8	< 1.00	< 5.00	< 1.00	< 1.00	0.313 J	14.6	< 1.00	0.369 J
	2/2/2022	0.893 J	< 20.0	127	3.71	< 5.00	< 1.00	< 1.00	0.320 J	11.9	< 1.00	< 1.00
	5/5/2022	0.782 J	< 20.0	124	2.09	< 5.00	< 1.00	< 1.00 C3	0.419 J	15.9	< 1.00	0.300 J
	8/24/2022	0.700 J	< 20.0	102	1.91	< 5.00	< 1.00 C3 J4	< 1.00	0.302 J	14.5	< 1.00 J4	< 1.00
	11/29/2022	1.16	< 20.0	123	4.24	< 5.00	< 1.00	< 1.00	0.339 J	20.6	< 1.00	< 1.00
	3/9/2023	1.07	< 20.0	106	1.35	< 5.00	< 1.00	< 1.00	< 1.00	6.08	< 1.00	< 1.00
	5/31/2023	1.05	< 20.0	119	1.84	< 5.00	< 1.00	< 1.00	0.305 J	6.97	< 1.00	< 1.00
	9/1/2023	0.418 J	< 20.0	99.4	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	3.51	< 1.00	< 1.00
	11/30/2023	0.284 J	< 20.0	56.3	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	1.88	< 1.00	< 1.00
	02/05/2024	0.570 J	< 20.0	119	0.903 J	< 5.00	< 1.00 C3	< 1.00	< 1.00	4.00	< 1.00	< 1.00
AMW-14-D2	6/23/2016	< 1.0	< 2.5	3.1	< 1.0	< 1.0	< 1.0	< 1.0	0.81 J	< 1.0	< 1.0	< 1.0
	7/26/2016	< 1.0	< 2.5	24	< 1.0	< 1.0	< 1.0	< 1.0	0.64 J	0.90 J	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	0.58 J	< 1.0	< 1.0	< 1.0	0.38 J	7.7	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 2.5	14	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 2.5	48	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 2.0	< 5.0	62	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 10	44	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 5.0	33	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.85 J	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	37	< 1.0	0.59 J	< 1.0	< 1.0	< 1.0	0.52 J	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 5.0	36	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.51 J	< 1.0	< 1.0
	6/10/2020	< 10.0	< 200	33.2	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	8/19/2020	< 10.0	< 200	32.0	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	11/5/2020	< 1.00	< 20.0	31.1	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	3/19/2021	< 1.00	< 20.0	20.8	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	6/2/2021	< 1.00	< 20.0 C3	20.7	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	0.977 J	< 1.00	< 1.00

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		Isopropyl- benzene	Methyl acetate	Methyl-t- butyl ether	Methyl- cyclohexane	Methylene chloride (Dichloro- methane)	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	Trichloro- ethene (Trichloro- ethylene)
		5*	NE	10*	NE	5	5*	5	5	5	0.4	5
NYS Class GA Standard		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Units												
AMW-14-D2 (cont.)	8/12/2021	<1.00	<20.0	26.3	<1.00	<5.00	<1.00	<1.00	<1.00	0.198 J	<1.00	<1.00
	11/16/2021	<1.00	<20.0	23.6	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<20.0	29.1	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<20.0	23.2	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/24/2022	<1.00	<20.0	14.6	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	0.835 J	<1.00 J4	<1.00
	11/29/2022	<1.00	<20.0	1.29	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	3/9/2023	0.106 J	<20.0	13.2	<1.00	<5.00	<1.00	<1.00	<1.00	0.835 J	<1.00	<1.00
	05/31/2023	<1.00	<20.0	12.8	<1.00	<5.00	<1.00	<1.00	<1.00	0.735 J	<1.00	<1.00
	9/1/2023	<1.00	<20.0	3.56	<1.00	<5.00	<1.00	<1.00	<1.00	0.189 J	<1.00	<1.00
	11/30/2023	<1.00	<20.0	0.500 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
02/06/2024	<1.00	<20.0	0.782 J	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<1.00	<1.00	<1.00	
AMW-14-VD	9/1/2023	< 1.0	< 2.5	0.91 J	0.36 J	< 1.0	< 1.0	0.59 J	10	< 1.0	< 1.0	< 1.0
	9/1/2023	< 1.0	< 2.5	0.59 J	< 1.0	< 1.0	< 1.0	0.41 J	8.2	< 1.0	< 1.0	< 1.0
	9/1/2023	< 1.0	< 2.5	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/2023	< 1.0	< 2.5	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/2023	< 1.0	< 2.5	0.65 J	0.58 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/2023	< 1.0	< 2.5	0.49 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/2023	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/2023	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<5.0	0.54 J	<1.0	0.36 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/1/2023	<1.00 J4	<20.0	0.317 J	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4
	9/1/2023	<1.00	<20.0	0.303 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	9/1/2023	<1.00	<20.0	0.434 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	9/1/2023	<1.00	<20.0	0.270 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	9/1/2023	<1.00	<20.0 C3	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	9/1/2023	<1.00	<20.0	0.272 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	9/1/2023	<1.00	<20.0	0.267 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	9/1/2023	<1.00	<20.0	0.263 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	9/1/2023	<1.00	<20.0	0.217 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	9/1/2023	<1.00	<20.0	0.184 J	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	<1.00	<1.00 J4	<1.00
	9/1/2023	<1.00	<20.0	0.198 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	9/1/2023	<1.00	<20.0	0.155 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	09/01/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	9/1/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/30/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	02/05/2024	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<1.00	<1.00	<1.00
AMW-15-D1	6/23/2016	< 1.0	< 2.5	29	< 1.0	9.9	< 1.0	0.43 J	3	< 1.0	< 1.0	5.5
	7/27/2016	< 5.0	< 13	51	< 5.0	140	< 5.0	< 5.0	7.5	< 5.0	< 5.0	73
	10/26/2016	< 10	< 25	110	3.3 J	8.9 J	< 10	< 10	18	< 10	< 10	48
	10/26/2016	< 4.0	< 10	180	0.87 J	4.1	< 4.0	< 4.0	6.6	< 4.0	< 4.0	18
	7/5/2017	< 4.0	< 10	170	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 10	200	< 4.0	2.2 J	< 4.0	< 4.0	17	28	< 4.0	< 4.0
	10/11/2017	< 2.0	< 5.0	300 E	< 2.0	< 2.0	< 2.0	< 2.0	5.9	13	< 2.0	< 2.0
	10/17/2018	< 5.0	< 50	170	1.2 J	< 25	< 5.0	< 5.0	1.5 J	21	< 5.0	< 5.0
	5/9/2019	< 1.0	< 5.0	120	0.50 J	< 1.0	< 1.0	< 1.0	< 1.0	7.4	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	100	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	6.7	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	120	< 1.0	0.41 J	< 1.0	< 1.0	0.43 J	7.1	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	37	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.5	< 1.0	< 1.0
	6/10/2020	0.535 J	<100	171	<5.00	<25.0	<5.00	<5.00	<5.00	5.47	<5.00	<5.00
	8/19/2020	<5.00	<100	94.3	<5.00	<25.0	<5.00	<5.00	<5.00	4.20 J	<5.00	<5.00
	11/4/2020	0.216 J	<20.0	76.7	<1.00	<5.00	<1.00	<1.00	<1.00	2.53	<1.00	<1.00
	3/19/2021	<5.00	<100	127	<5.00	<25.0	<5.00	<5.00	<5.00	5.63	<5.00	<5.00
	6/2/2021	0.160 J	<20.0	40.2	<1.00	<5.00	<1.00	<1.00	<1.00	1.46	<1.00	<1.00
11/16/2021	0.709 J	<20.0	149	<1.00	<5.00	<1.00	<1.00	0.392 J	5.81	<1.00	0.265 J	

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		Isopropyl- benzene	Methyl acetate	Methyl-t- butyl ether	Methyl- cyclohexane	Methylene chloride (Dichloro- methane)	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	Trichloro- ethene (Trichloro- ethylene)
		5*	NE	10*	NE	5	5*	5	5	5	0.4	5
NYS Class	GA Standard	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Units												
AMW-15-D1 (cont.)	2/1/2022	0.614 J	<20.0	116	1.02	<5.00	<1.00	<1.00	0.305 J	3.11	<1.00	<1.00
	5/5/2022	0.206 J	<20.0	51.2	<1.00	<5.00	<1.00	<1.00 C3	<1.00	0.796 J	<1.00	<1.00
	8/24/2022	0.269 J	<20.0	69.7	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	1.16	<1.00 J4	<1.00
	11/28/2022	0.465 J	<20.0	97.3	1.06 C5	<5.00	<1.00	<1.00	<1.00	1.94	<1.00	0.265 J
	3/10/2023	0.420 J	<20.0	81.3	<1.00	<5.00	<1.00	<1.00	<1.00	1.08	<1.00	<1.00
	06/01/2023	0.327 J	<20.0	79.8 C3	<1.00	<5.00	<1.00	<1.00	<1.00	1.28	<1.00	0.247 J
	8/31/2023	0.242 J	<20.0	73.7	<1.00	<5.00	<1.00 C3	<1.00	<1.00	0.718 J	<1.00	0.293 J
	11/30/2023	<1.00	<20.0	0.174 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	02/05/2024	<1.00	<20.0	0.915 J	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<1.00	<1.00	<1.00
AMW-15-D2	6/23/2016	< 1.0	< 2.5	68	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 2.5	66	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	43	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 2.5	42	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 2.5	110 E	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 10	120	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 10	350	< 4.0	< 4.0	< 4.0	< 4.0	7.8	5.5	< 4.0	< 4.0
	10/11/2017	< 4.0	< 10	160	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 10	120	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 5.0	61	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	96	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	91	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<20.0	126	<1.00	<5.00	<1.00	<1.00	<1.00	0.209 J	<1.00	<1.00
	8/19/2020	<1.00	<20.0	11.0	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/4/2020	<1.00	<20.0	57.1	<1.00	<5.00	<1.00	<1.00	<1.00	0.430 J	<1.00	<1.00
	3/19/2021	<1.00	<20.0	74.6	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<20.0 C3	57.3	<1.00	<5.00	<1.00	<1.00	<1.00	0.682 J	<1.00	<1.00
	8/12/2021	<1.00	<20.0	3.23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<20.0	62.0	<1.00	<5.00	<1.00	<1.00	<1.00	0.367 J	<1.00	<1.00
	2/1/2022	<1.00	<20.0	32.6	<1.00	<5.00	<1.00	<1.00	<1.00	0.189 J	<1.00	<1.00
	5/4/2022	<1.00	<20.0	28.9	<1.00	<5.00	<1.00	<1.00 C3	<1.00	0.284 J	<1.00	<1.00
	8/24/2022	<1.00	<20.0	21.5	<1.00	<5.00	<1.00	<1.00	<1.00	0.276 J	<1.00	<1.00 J4
	11/29/2022	<1.00	<20.0	49.3 C5 J4	<1.00	<5.00	<1.00	<1.00	<1.00	0.256 J	<1.00	<1.00
	3/10/2023	<1.00	<20.0	18.1	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/1/2023	<1.00	<20.0	38.8 C3	<1.00	<5.00	<1.00	<1.00	<1.00	0.235 J	<1.00	<1.00
	8/31/2023	<1.00	<20.0	4.51	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<1.00	<1.00	<1.00
	11/30/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	02/05/2024	<1.00	<20.0	0.361 J	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<1.00	<1.00	<1.00
AMW-15-D3	6/23/2016	< 1.0	< 2.5	2.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 2.5	2.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	23	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 10	64	< 4.0	2.4 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	140
	10/11/2017	< 2.0	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 5.0	22	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	20
	10/17/2018	< 1.0	< 10	10	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.5
	5/10/2019	< 1.0	< 5.0	16	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.39 J
	9/13/2019	< 1.0	< 5.0	14	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.54 J
	12/5/2019	< 1.0	< 5.0	7.7	< 1.0	0.32 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	51	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.3
	6/9/2020	<1.00 J4	<20.0	10.1	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00
	8/19/2020	<1.00	<20.0	72.8	<1.00	<5.00	<1.00	<1.00	<1.00	0.226 J	<1.00	8.84
	11/4/2020	<1.00	<20.0	80.6	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	4.31
	3/19/2021	0.672 J	<20.0	63.6	<1.00	<5.00	0.147 J	<1.00	<1.00	0.435 J	<1.00	51.1
	6/1/2021	0.155 J	<20.0 C3	69.7	<1.00	<5.00	<1.00	<1.00	0.448 J	0.213 J	<1.00	15.3
	8/12/2021	0.564 J	<20.0	68.5	<1.00	<5.00	<1.00	<1.00	2.49	0.533 J	<1.00	56.8
	11/16/2021	0.435 J	<20.0	61.7	<1.00	<5.00	<1.00	<1.00	1.99	0.499 J	<1.00	45.7

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		Isopropyl- benzene	Methyl acetate	Methyl-t- butyl ether	Methyl- cyclohexane	Methylene chloride (Dichloro- methane)	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	Trichloro- ethene (Trichloro- ethylene)
		5*	NE	10*	NE	5	5*	5	5	5	0.4	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NYS Class GA Standard AMW-15-D3 (cont.)	2/1/2022	0.332 J	<20.0	68.8	0.905 J	<5.00	<1.00	<1.00	1.38	0.366 J	<1.00	29.9
	5/5/2022	0.282 J	<20.0	51.2	<1.00	<5.00	<1.00	<1.00 C3	1.34	0.476 J	<1.00	27.9
	11/28/2022	<1.00	<20.0	0.432 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	0.443 J
	3/9/2023	<1.00	<20.0	12.9	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	3.87
	6/1/2023	<1.00	<20.0	0.664 C3 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	0.302 J
	8/31/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<1.00	<1.00	2.93
	11/30/2023	0.221 J	<20.0	22.5	<1.00	<5.00	<1.00	<1.00	0.575 J	0.236 J	<1.00	6.56
	02/05/2024	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<1.00	<1.00	3.65
AMW-15-VD	6/23/2016	< 1.0	< 2.5	1.1	< 1.0	< 1.0	< 1.0	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	15	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 2.5	1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 2.5	0.94 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 1.0	< 2.5	0.44 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	1.3	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 5.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00 J4	<20.0	0.856 J	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4
	8/19/2020	<1.00	<20.0	0.684 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/4/2020	<1.00	<20.0	0.581 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	3/19/2021	<1.00	<20.0	0.437 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<20.0 C3	0.376 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<20.0	0.562 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	2/1/2022	<1.00	<20.0	0.380 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/24/2022	<1.00	<20.0	0.356 J	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	<1.00	<1.00 J4	<1.00
	11/28/2022	<1.00	<20.0	0.375 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	3/10/2023	<1.00	<20.0	0.226 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/1/2023	<1.00	<20.0	0.190 C3 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/31/2023	0.512 J	<20.0	42.7	<1.00	<5.00	<1.00 C3	<1.00	1.78	0.707 J	<1.00	20.6
	11/30/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	2.18
	02/05/2024	0.152 J	<20.0	17.3	<1.00	<5.00	<1.00 C3	<1.00	0.455 J	0.359 J	<1.00	8.51
AMW-3	1/13/2016	65	< 13	< 5.0	27	15	< 5.0	< 5.0	6.9	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 2.5	0.40 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-7R	1/12/2016	< 5.0	< 13	1.4 J	1.5 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	2.8	< 2.5	0.23 J	9.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2018	7.1	< 5.0	< 2.0	29	1.1 J	< 2.0	< 2.0	1.0 J	< 2.0	< 2.0	< 2.0
	10/17/2018	4.9	< 1.0	< 1.0	50	< 5.0	< 1.0	< 1.0	0.60 J	< 1.0	< 1.0	< 1.0
	5/10/2019	4.2	< 5.0	< 1.0	31	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	4.4	< 5.0	< 1.0	29	0.53 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	1.9	< 5.0	< 1.0	7.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	3.9	< 5.0	< 1.0	24	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	4	< 20.0	< 1.00	14.9	< 5.00	< 1.00	<1.00 J4	< 1.00	< 1.00	< 1.00	<1.00 J4
	8/19/2020	3.11	< 20.0	< 1.00	25.1	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	11/6/2020	3.27	< 20.0	< 1.00	18.9	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	3/19/2021	0.968 J	< 20.0	< 1.00	7.03	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	6/2/2021	2.37	< 20.0 C3	< 1.00	12.6	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	8/12/2021	1.31	< 20.0	< 1.00	6.97	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	11/16/2021	1.62	< 20.0	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	5/5/2022	0.786 J	< 20.0	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	11/29/2022	1.76	< 20.0	< 1.00	5.63	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	3/10/2023	1.33	< 20.0	0.103 J	3.73	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	6/1/2023	0.910 J	< 20.0	< 1.00 C3	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	8/31/2023	1.54	< 20.0	< 1.00	4.93	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	11/30/2023	1.18	< 20.0	0.151 J	2.33	< 5.00	< 1.00	< 1.00	0.343 J	< 1.00	< 1.00	< 1.00
	02/06/2024	2.28	< 20.0	< 1.00	8.95	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
ASB-2	6/6/2016	< 1.0	< 2.5	55	< 1.0	< 1.0	< 1.0	1.4	0.87 J	< 1.0	< 1.0	4.4
ASB-3	6/8/2016	< 1.0	< 2.5	8.5	< 1.0	0.60 J	< 1.0	1.3	< 1.0	< 1.0	< 1.0	1.2
ASB-4	6/7/2016	< 5.0	< 13	13	4.5 J	330	< 5.0	6.7	9	13	< 5.0	1500 E

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		Isopropyl- benzene	Methyl acetate	Methyl-t- butyl ether	Methyl- cyclohexane	Methylene chloride (Dichloro- methane)	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	Trichloro- ethene (Trichloro- ethylene)
NYS Class	GA Standard	5*	NE	10*	NE	5	5*	5	5	5	0.4	5
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ASB-5	6/2/2016	< 1.0	< 2.5	4.6	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0	4.8
ASB-7	6/2/2016	< 2.0	< 5.0	5.5	< 2.0	< 2.0	< 2.0	1.2 J	< 2.0	< 2.0	< 2.0	1.7 J
MW-18R	6/22/2016	14	< 25	65	4.4 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	7/11/2018	< 20	< 50	11 J	5.1 J	< 20	< 20	< 20	< 20	< 20	< 20	< 20
	10/17/2018	6.8	< 50	28	6.2 J	< 25	< 5.0	< 5.0	4.1 J	< 5.0	< 5.0	< 5.0
	9/14/2019	7.4	< 5.0	40	5.6	0.68 J	< 1.0	< 1.0	4.9	< 1.0	< 1.0	< 1.0
	12/5/2019	4.8	< 5.0	14	3.3	0.62 J	< 1.0	< 1.0	4.8	< 1.0	< 1.0	< 1.0
	2/12/2020	0.35 J	< 5.0	< 1.0	0.56 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	4.03 J	< 100	3.42 J	< 5.00	< 25.0	< 5.00	< 5.00 J4	3.31 J	< 5.00	< 5.00	< 5.00 J4
	3/19/2021	3.93	1.31 J	0.765 J	5.86	< 5.00	< 1.00	< 1.00	2.36	< 1.00	< 1.00	< 1.00
	6/2/2021	1.11	< 20.0 C3	1.06	1.01	< 5.00	< 1.00	< 1.00	0.979 J	< 1.00	< 1.00	< 1.00
	8/12/2021	3.61	< 20.0	8.58	3.73	< 5.00	< 1.00	< 1.00	3.92	< 1.00	< 1.00	< 1.00
	11/16/2021	5.95	< 20.0	26.5	5.60	< 5.00	< 1.00	< 1.00	3.83	< 1.00	< 1.00	< 1.00
	2/2/2022	3.09	< 20.0	0.870 J	2.86	< 5.00	< 1.00	< 1.00	1.87	< 1.00	< 1.00	< 1.00
	5/5/2022	3.60	< 20.0	0.295 J	4.84	< 5.00	< 1.00	< 1.00	3.06	< 1.00	< 1.00	< 1.00
	8/25/2022	2.08	< 20.0	86.8	1.61	< 5.00	< 1.00 C3 J4	< 1.00	1.40	< 1.00	< 1.00 J4	< 1.00
	11/29/2022	3.72	< 20.0	8.16	3.20	< 5.00	< 1.00	< 1.00	3.21	< 1.00	< 1.00	< 1.00
	3/9/2023	4.26	< 20.0	1.48	3.74	< 5.00	< 1.00	< 1.00	3.40	< 1.00	< 1.00	< 1.00
	5/31/2023	1.82	< 20.0	0.477 J	2.40	< 5.00	< 1.00	< 1.00	1.44	< 1.00	< 1.00	< 1.00
	8/31/2023	3.55	< 20.0	34.0	2.68	< 5.00	< 1.00	< 1.00	2.96	< 1.00	< 1.00	< 1.00
	11/30/2023	3.36	< 20.0	33.2	2.91	< 5.00	< 1.00	< 1.00	2.50	< 1.00	< 1.00	< 1.00
	02/06/2024	3.64	< 20.0	16.7	3.26	< 5.00	< 1.00	< 1.00	2.32	< 1.00	< 1.00	< 1.00
MW-23-D1R	10/26/2016	< 2.0	< 5.0	140	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/26/2016	< 5.0	< 13	180	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/12/2016	< 5.0	< 13	210	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 2.5	30	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 10	140	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 10	130	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 4.0	< 10	150	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 4.0	< 10	91	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	0.56 J	< 10	94	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	0.35 J	< 5.0	92	< 1.0	0.53 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	0.44 J	< 5.0	83	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	0.439 J	< 20.0	106	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	8/19/2020	0.414 J	< 20.0	85.5	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	11/5/2020	0.314 J	< 20.0	98.5	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	3/19/2021	0.163 J	< 20.0	38.7	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	6/2/2021	0.141 J	< 20.0 C3	39.0	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	8/12/2021	0.312 J	< 20.0	106	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	11/16/2021	0.368 J	< 20.0	95.3	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	2/2/2022	0.179 J	< 20.0	48.2	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	5/5/2022	0.170 J	< 20.0	64.9	< 1.00	< 5.00	< 1.00	< 1.00 C3	< 1.00	< 1.00	< 1.00	< 1.00
	8/25/2022	0.307 J	< 20.0	66.0	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 J4
	11/29/2022	< 1.00	< 20.0	3.67	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	3/9/2023	0.186 J	< 20.0	44.7	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	6/1/2023	0.184 J	< 20.0	54.4 C3	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	8/31/2023	< 1.00	< 20.0	2.80	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	02/06/2024	< 1.00	< 20.0	0.638 J	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
MW-23-D2R	1/12/2016	< 5.0	< 13	130	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 2.5	26	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 2.5	8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 10	72	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 1.0	< 2.5	150 E	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 1.0	< 5.0	8.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 5.0	8.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		Isopropyl- benzene	Methyl acetate	Methyl-t- butyl ether	Methyl- cyclohexane	Methylene chloride (Dichloro- methane)	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	Trichloro- ethene (Trichloro- ethylene)
NYS Class	GA Standard	5*	NE	10*	NE	5	5*	5	5	5	0.4	5
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	9/13/2019	< 1.0	< 5.0	63	< 1.0	0.47 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	14	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/19/2020	<1.00	<20.0	42.2	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/5/2020	<1.00	<20.0	71.1	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	3/18/2021	<1.00	<20.0	57.0	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<20.0 C3	32.8	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<20.0	19.6	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<20.0	18.2	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<20.0	40.3	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<20.0	23.5	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/25/2022	<1.00	<20.0	20.1	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4
	11/29/2022	<1.00	<20.0	21.7	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	3/9/2023	<1.00	<20.0	29.7	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/1/2023	<1.00	<20.0	4.03 C3	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/31/2023	<1.00	<20.0	23.7	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/30/2023	<1.00	<20.0	2.32	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	02/06/2024	<1.00	<20.0	2.92	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-24-D1R	1/13/2016	< 5.0	< 13	220	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 4.0	< 10	160	1.3 J	< 4.0	< 4.0	< 4.0	< 4.0	11	< 4.0	< 4.0
	10/26/2016	< 1.0	< 2.5	140 E	0.64 J	< 1.0	< 1.0	< 1.0	0.68 J	6.5	< 1.0	< 1.0
	10/26/2016	< 1.0	< 2.5	120 E	0.66 J	< 1.0	< 1.0	< 1.0	0.64 J	6.8	< 1.0	< 1.0
	10/26/2016	< 4.0	< 10	81	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 8.0	< 20	290	< 8.0	< 8.0	< 8.0	< 8.0	23	22	< 8.0	< 8.0
	10/16/2018	< 5.0	< 50	270	< 25	< 25	< 5.0	< 5.0	17	12	< 5.0	< 5.0
	5/9/2019	< 1.0	< 5.0	65	< 1.0	< 1.0	< 1.0	< 1.0	1.5	2.0	< 1.0	< 1.0
	9/13/2019	0.97 J [0.86 J]	<5.0 [<5.0]	210 [200]	0.63 J [0.57]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	7.2 [6.4]	16	< 1.0 [<1.0]	< 1.0 [<1.0]
	12/5/2019	1.0	<5.0 [<5.0]	180 [210]	0.56 J	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	1.4 [2.3]	7.0 [16]	< 1.0 [<1.0]	< 1.0 [<1.0]
	2/11/2020	0.61 J [1.0]	<5.0 [<5.0]	210 [220]	< 1.0 [0.57 J]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	0.9 J [2.5]	9.5 [14]	< 1.0 [<1.0]	< 1.0 [<1.0]
	6/9/2020	0.954 J [1.08 J]	<100 [<100]	195 [255]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	1.62 J [<5.00]	12.2 [13.8]	<5.00 [<5.00]	<5.00 [<5.00]
	8/19/2020	0.712 J [0.681 J]	<100 [<100]	220 [206]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	12.9 [13.2]	<5.00 [<5.00]	<5.00 [<5.00]
	11/5/2020	0.771 J [0.560 J]	<100 [<100]	207 [180]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	12.8 [9.50]	<5.00 [<5.00]	<5.00 [<5.00]
	3/19/2021	1.04 [0.940 J]	<20.0 [<100]	201 [213]	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]	<1.00 [<5.00]	1.42 [<5.00]	12.6 [11.4]	<1.00 [<5.00]	<1.00 [<5.00]
	6/1/2021	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]	<1.00 [<5.00]	0.944 J [<5.00]	12.9 [10.5]	<1.00 [<5.00]	0.214 J [<5.00]
	11/16/2021	0.729 J [0.703 J]	<20.0 [<20.0]	199 [185]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.583 J [0.620 J]	10.9 [9.11]	<1.00 [<1.00]	<1.00 [<1.00]
	2/2/2022	0.534 J [0.604 J]	<20.0 [<20.0]	170 [182]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.598 J [0.677 J]	8.30 [8.83]	<1.00 [<1.00]	<1.00 [<1.00]
	5/4/2022	0.851 J [0.815 J]	<20.0 [<20.0]	180 [196]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	1.5 [1.63]	12 [11.9]	<1.00 [<1.00]	0.271 J [0.281 J]
	8/24/2022	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]	<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]
	11/29/2022	0.587 J [0.547 J]	<20.0 [<20.0]	125 [128]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.625 J [0.582 J]	8.21 [7.53]	<1.00 [<1.00]	0.252 J [0.234 J]
	3/10/2023	0.543 J [<10.0]	<20.0 [<200]	136 [127]	<1.00 [<10.0]	<5.00 [<50.0]	<1.00 [<10.0]	<1.00 [<10.0]	0.643 J [<10.0]	7.77 [6.02 J]	<1.00 [<10.0]	0.289 J [<10.0]
MW-24-D2	5/31/2023	0.746 J [<10.0]	<20.0 [<200]	152 [113]	0.669 J [<10.0]	<5.00 [<50.0]	<1.00 [<10.0]	<1.00 [<10.0]	0.878 J [<10.0]	10.1 [7.37 J]	<1.00 [<10.0]	0.359 J [<10.0]
	8/30/2023	0.570 J [<10.0]	<20.0 [<200]	147 [122]	<1.00 [<10.0]	<5.00 [<50.0]	<1.00 C3 [<10.0 C3]	<1.00 [<10.0]	0.661 J [<10.0]	7.27 [6.11 J]	<1.00 [<10.0]	0.399 J [<10.0]
	11/30/2023	0.594 J [0.540 J]	<20.0 [<20.0]	127 [129]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.571 J [0.526 J]	5.45 [5.43]	<1.00 [<1.00]	0.266 J [0.237 J]
	02/06/2024	0.578 J [<1.00]	<20.0 [<20.0]	143 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.695 J [<1.00]	7.46 [<1.00]	<1.00 [<1.00]	0.311 J [<1.00]
	1/13/2016	< 5.0	< 13	260	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/13/2016	< 5.0	< 13	250	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 2.5	140 E	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.98 J	< 1.0	< 1.0
	10/25/2016	< 4.0	< 10	120	< 4.0	120	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 5.0	< 13	270	< 5.0	84 F1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	7/5/2017	< 8.0	< 20	220	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	8/27/2017	< 8.0	< 20	87	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 2.0	< 5.0	60	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/12/2018	< 2.0	< 5.0	2.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 10	2	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	13	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	5.0 U	47	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		Isopropyl- benzene	Methyl acetate	Methyl-t- butyl ether	Methyl- cyclohexane	Methylene chloride (Dichloro- methane)	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	Trichloro- ethene (Trichloro- ethylene)
		5*	NE	10*	NE	5	5*	5	5	5	0.4	5
NYS Class	GA Standard	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Units												
MW-24-D2 (cont.)	6/9/2020	<1.00 J4	<20.0	136	<1.00	<5.00	<1.00	<1.00 J4	<1.00	0.716 J	<1.00	<1.00 J4
	8/18/2020	0.141 J	<20.0	76.4	<1.00	<5.00	<1.00	<1.00	<1.00	0.359 J	<1.00	<1.00
	11/5/2020	<1.00	<20.0	296	<1.00	<5.00	<1.00	<1.00	<1.00	1.13	<1.00	0.244 J
	3/19/2021	<1.00	<20.0	448	<1.00	<5.00	<1.00	<1.00	<1.00	1.19	<1.00	<1.00
	6/1/2021	<1.00	<20.0 C3	358	<1.00	<5.00	<1.00	<1.00	<1.00	0.720 J	<1.00	<1.00
	11/16/2021	0.209 J	<20.0	224	<1.00	<5.00	<1.00	<1.00	<1.00	0.668 J	<1.00	<1.00
	2/2/2022	<1.00	<20.0	341	<1.00	<5.00	<1.00	<1.00	<1.00	0.498 J	<1.00	<1.00
	5/4/2022	<1.00	<20.0	454	<1.00	<5.00	<1.00	<1.00	<1.00	0.992 J	<1.00	<1.00
	8/24/2022	<1.00	<20.0	20.0	<1.00 J4	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/29/2022	0.143 J	<20.0	54.4 C5 J4	<1.00	<5.00	<1.00	<1.00	<1.00	0.333 J	<1.00	<1.00
	3/10/2023	<1.00	<20.0	42.0	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	5/31/2023	0.115 J	<20.0	37.5	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/30/2023	<1.00	<20.0	49.5	<1.00	<5.00	<1.00 C3	<1.00	<1.00	0.234 J	<1.00	<1.00
	11/29/2023	<1.00	<20.0	28.2	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	02/06/2024	<1.00	<20.0	43.1	<1.00	<5.00	<1.00	<1.00	<1.00	0.172 J	<1.00	<1.00
MW-24-VDR	7/12/2018	< 4.0	< 10	4.2	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 10	2.9	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 5.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	0.75 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00 J4	<20.0	0.998 J	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4
	8/18/2020	<1.00	<20.0	1.16	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/5/2020	<1.00	<20.0	0.944 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	3/19/2021	<1.00	<20.0	1.01	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/1/2021	<1.00	<20.0 C3	0.782 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<20.0	0.249 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/29/2022	<1.00	<20.0	0.165 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	3/10/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	5/31/2023	<1.00	<20.0	0.533 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/30/2023	<1.00	<20.0	0.214 J	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<1.00	<1.00	<1.00
	11/29/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	02/06/2024	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-26-D1	1/12/2016	< 5.0	< 13	380	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/22/2016	< 4.0	< 10	340	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 10	< 25	310	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/25/2016	< 4.0	< 10	390	< 4.0	3.6 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/5/2017	< 10	< 25	290	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	8/27/2017	< 10	< 25	240	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/11/2017	< 2.0	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 5.0	220 E	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	0.43 J	< 10	110	< 5.0	< 5.0	< 1.0	< 1.0	0.23 J	< 1.0	< 1.0	< 1.0
	9/13/2019	0.73 J	< 5.0	86	< 1.0	< 1.0	< 1.0	< 1.0	0.67 J	1.0	< 1.0	< 1.0
	12/6/2019	0.56 J	< 5.0	77	< 1.0	< 1.0	< 1.0	< 1.0	0.4 J	0.74 J	< 1.0	< 1.0
	2/11/2020	0.67 J	< 5.0	80	< 1.0	< 1.0	< 1.0	< 1.0	0.46 J	0.92 J	< 1.0	< 1.0
	6/10/2020	1.06	<20.0	115	<1.00	<5.00	<1.00	<1.00	0.516 J	2.36	<1.00	<1.00
	8/19/2020	0.555 J	<20.0	97.4	<1.00	<5.00	<1.00	<1.00	1.57	<1.00	<1.00	<1.00
	11/6/2020	0.459 J	<20.0	84.1	<1.00	<5.00	<1.00	<1.00	<1.00	1.42	<1.00	<1.00
	6/2/2021	0.628 J	<20.0 C3	105	<1.00	<5.00	<1.00	<1.00	0.685 J	3.67	<1.00	<1.00
	8/12/2021	0.250 J	<20.0	67.5	<1.00	<5.00	<1.00	<1.00	0.326 J	2.54	<1.00	<1.00
	11/16/2021	0.509 J	<20.0	75.6	<1.00	<5.00	<1.00	<1.00	<1.00	1.65	<1.00	<1.00
	2/2/2022	0.281 J	<20.0	69.0	<1.00	<5.00	<1.00	<1.00	<1.00	0.670 J	<1.00	<1.00
	5/5/2022	0.621 J	<20.0	68.9	<1.00	<5.00	<1.00	<1.00 C3	0.755 J	0.887 J	<1.00	<1.00
	8/25/2022	0.818 J	<20.0	65.0	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	0.890 J	<1.00 J4	<1.00
	11/29/2022	0.427 J	<20.0	65.3	<1.00	<5.00	<1.00	<1.00	0.278 J	0.561 J	<1.00	<1.00
	3/10/2023	0.476 J	<20.0	51.7	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/1/2023	0.804 J	<20.0	63.2 C3	<1.00	<5.00	<1.00	<1.00	0.633 J	0.781 J	<1.00	<1.00
	9/1/2023	0.705 J	<20.0	46.2	<1.00	<5.00	<1.00	<1.00	0.616 J	0.310 J	<1.00	<1.00
	02/06/2024	0.197 J	<20.0	30.6	<1.00	<5.00	<1.00	<1.00	1.20	<1.00	<1.00	<1.00

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		Isopropyl- benzene	Methyl acetate	Methyl-t- butyl ether	Methyl- cyclohexane	Methylene chloride (Dichloro- methane)	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	Trichloro- ethene (Trichloro- ethylene)
NYS Class	GA Standard	5*	NE	10*	NE	5	5*	5	5	5	0.4	5
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-26-D2	1/12/2016	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/22/2016	< 1.0	< 2.5	59	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/25/2016	< 2.0	< 5.0	85	< 2.0	15	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/25/2016	< 2.0	< 5.0	43	< 2.0	81	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/5/2017	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 8.0	< 2.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 1.0	< 2.5	14	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 10	76	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 5.0	84	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.90 J	< 1.0	0.50 J
	9/13/2019	< 1.0	< 5.0	60	< 1.0	0.44 J	< 1.0	< 1.0	< 1.0	0.56 J	< 1.0	< 1.0
	12/6/2019	< 1.0	< 5.0	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	52	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	< 1.0	< 2.0	105	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/19/2020	< 1.0	< 2.0	64.4	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/16/2021	< 1.0	< 2.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-26-VD	1/13/2016	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-27-D1R	6/22/2016	< 1.0	< 2.5	0.96 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/13/2016	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 2.5	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 5.0	84	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 5.0	100	< 2.0	0.94 J	< 2.0	< 2.0	< 2.0	5	< 2.0	< 2.0
	7/13/2018	< 2.0	< 5.0	62	< 2.0	< 2.0	< 2.0	< 2.0	1.6 J	4.1	< 2.0	< 2.0
	10/18/2018	< 1.0	< 10	38	< 5.0	< 5.0	< 1.0	< 1.0	1	< 1.0	< 1.0	0.26 J
	5/10/2019	< 1.0	< 5.0	18	< 1.0	< 1.0	< 1.0	< 1.0	0.44 J	0.96 J	< 1.0	< 1.0
	9/14/2019	< 1.0	< 5.0	33	< 1.0	< 1.0	< 1.0	< 1.0	1.2	2.3	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	39	< 1.0	< 1.0	< 1.0	< 1.0	1.7	3.6	< 1.0	0.37 J
	8/19/2020	< 5.0	< 100	26.0	< 5.0	< 25.0	< 5.0	< 5.0	< 5.0	1.52 J	< 5.0	< 5.0
	11/6/2020	< 5.0	< 100	22.2	< 5.0	< 25.0	< 5.0	< 5.0	< 5.0	2.01 J	< 5.0	< 5.0
	3/20/2021	< 1.0	< 20.0	21.1	< 1.0	< 5.0	< 1.0	< 1.0	0.450 J	1.82	< 1.0	< 1.0
	6/2/2021	< 1.0	< 20.0 C3	27.6	< 1.0	< 5.0	< 1.0	< 1.0	0.774 J	2.80	< 1.0	0.349 J
	8/12/2021	< 1.0	< 20.0	21.3	< 1.0	< 5.0	< 1.0	< 1.0	0.544 J	1.87	< 1.0	0.230 J
	11/17/2021	< 1.0	< 20.0	37.6	< 1.0	< 5.0	< 1.0	< 1.0	1.20	3.89	< 1.0	0.355 J
	2/2/2022	< 1.0	< 20.0	18.8	< 1.0	< 5.0	< 1.0	< 1.0	0.297 J	1.80	< 1.0	0.208 J
	5/5/2022	< 1.0	< 20.0	19.1	< 1.0	< 5.0	< 1.0	< 1.0	0.474 J	2.11	< 1.0	0.260 J
	11/29/2022	< 1.0	< 20.0	0.247 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/9/2023	< 1.0	< 20.0	12.5	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	1.07	< 1.0	< 1.0
	5/31/2023	< 1.0	< 20.0	15.2	< 1.0	< 5.0	< 1.0	< 1.0	0.293 J	1.73	< 1.0	< 1.0
	8/31/2023	< 1.0	< 20.0	14.6	< 1.0	< 5.0	< 1.0	< 1.0	0.370 J	1.54	< 1.0	< 1.0
	11/29/2023	< 1.0	< 20.0	7.30	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	0.205 J	< 1.0	< 1.0
	02/05/2024	< 1.0	< 20.0	8.11	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	0.365 J	< 1.0	< 1.0
MW-27-D2	1/13/2016	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	38	< 10	8.1	26	5.7	< 4.0	< 4.0	17	< 4.0	< 4.0	< 4.0
	7/5/2017	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/2017	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 10	3.4 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 10	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 5.0	7.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 5.0	9.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		Isopropyl- benzene	Methyl acetate	Methyl-t- butyl ether	Methyl- cyclohexane	Methylene chloride (Dichloro- methane)	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	Trichloro- ethene (Trichloro- ethylene)
NYS Class	GA Standard	5*	NE	10*	NE	5	5*	5	5	5	0.4	5
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-27-D2 (cont.)	12/5/2019	< 1.0	< 5.0	4.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 5.0	4.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00 J4	<20.0	0.843 J	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4
	8/19/2020	<1.00	<20.0	1.21	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/6/2020	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	3/20/2021	<1.00	<20.0	0.380 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<20.0 C3	0.132 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/17/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/25/2022	<1.00	<20.0	0.113 J	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	<1.00	<1.00 J4	<1.00
	11/29/2022	<1.00	<20.0	16.7	<1.00	<5.00	<1.00	<1.00	0.424 J	1.92	<1.00	0.242 J
	3/9/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	5/31/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/31/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/29/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	02/05/2024	<1.00	<20.0	0.130 J	<1.00	<5.00	<1.00 C3	<1.00	<1.00	<1.00	<1.00	<1.00
MW-28-D1	6/24/2016	< 1.0	< 2.5	6.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	< 1.0	< 2.5	4.7 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 2.5	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 1.0	6.6	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 1.0	4.8	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	0.33 J	< 1.0	9.5	< 5.0	< 5.0	< 1.0	< 1.0	0.39 J	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 5.0	7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	0.56 J	< 5.0	22	< 1.0	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	1.0 U	5.0 U	21	< 1.0	< 1.0	< 1.0	< 1.0	0.53 J	0.25 J	< 1.0	< 1.0
	2/11/2020	0.34 J	< 5.0	34	< 1.0	< 1.0	< 1.0	< 1.0	0.62 J	0.35 J	< 1.0	< 1.0
	6/9/2020	0.440 J	<20.0	20.1	<1.00	<5.00	<1.00	<1.00 J4	0.578 J	0.205 J	<1.00	<1.00 J4
	8/19/2020	<1.00	<20.0	16.5	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/6/2020	0.548 J	<20.0	28.8	<1.00	<5.00	<1.00	<1.00	0.497 J	0.362 J	<1.00	<1.00
	6/2/2021	0.221 J	<20.0 C3	7.53	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/12/2021	0.211 J	<20.0	8.64	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/16/2021	0.200 J	<20.0	7.56	<1.00	<5.00	<1.00	<1.00	<1.00	0.185 J	<1.00	<1.00
	2/2/2022	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<20.0	5.26	<1.00	<5.00	<1.00	<1.00	0.324 J	<1.00	<1.00	<1.00
	8/25/2022	<1.00	<20.0	0.460 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4
	11/29/2022	<1.00	<20.0	3.34	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	3/9/2023	0.211 J	<20.0	6.58	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/1/2023	0.157 J	<20.0	5.74 C3	<1.00	<5.00	<1.00	<1.00	0.482 J	<1.00	<1.00	<1.00
	8/31/2023	<1.00	<20.0	4.40	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/29/2023	<1.00	<20.0	0.427 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	02/06/2024	0.162 J	<20.0	3.99	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-28-D2R	6/24/2016	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	< 1.0	< 2.5	0.25 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 1.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 1.0	< 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	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00 J4	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4
	8/19/2020	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/6/2020	<1.00	<20.0	0.108 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		Isopropyl- benzene	Methyl acetate	Methyl-t- butyl ether	Methyl- cyclohexane	Methylene chloride (Dichloro- methane)	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	Trichloro- ethene (Trichloro- ethylene)
NYS Class	GA Standard	5*	NE	10*	NE	5	5*	5	5	5	0.4	5
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D2R (cont.)	3/20/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<20.0 C3	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<20.0	0.131 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<20.0	0.418 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/25/2022	<1.00	<20.0	0.343 J	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	<1.00	<1.00 J4	<1.00
	11/29/2022	<1.00	<20.0	0.107 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	3/9/2023	<1.00	<20.0	0.239 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/1/2023	<1.00	<20.0	0.311 C3 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/31/2023	<1.00	<20.0	0.165 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/29/2023	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	02/06/2024	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-29-D1	1/14/2016	24	< 13	34	5.5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	5.4	< 2.5	23	3.8	< 1.0	< 1.0	< 1.0	1	< 1.0	< 1.0	< 1.0
	10/26/2016	16	< 2.5	44	10	< 1.0	< 1.0	< 1.0	3.1	< 1.0	< 1.0	< 1.0
	10/26/2016	6.4	< 2.5	23	2.5	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0
	7/5/2017	7.7	< 5.0	71	1.8 J	< 2.0	< 2.0	< 2.0	2.3	< 2.0	< 2.0	< 2.0
	8/27/2017	9.3	< 5.0	28	5.8	< 2.0	< 2.0	< 2.0	1.7 J	< 2.0	< 2.0	< 2.0
	10/12/2017	5.8	< 10	20	1.5 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/13/2018	19	< 10	39	11	< 4.0	< 4.0	< 4.0	3.0 J	< 4.0	< 4.0	< 4.0
	10/18/2018	16	< 10	33	11	< 5.0	< 1.0	< 1.0	2.8	< 1.0	< 1.0	< 1.0
	5/10/2019	18	< 5.0	51	8.6	< 1.0	< 1.0	< 1.0	2.3	< 1.0	< 1.0	< 1.0
	9/14/2019	2.2	< 5.0	18	1.2	0.48 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 5.0	12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 5.0	3.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	0.107 J	<20.0	22.7	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4
	8/19/2020	<1.00	<20.0	29.5	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/6/2020	<1.00	<20.0	28.7	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	3/20/2021	<1.00	<20.0	26.4	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<20.0 C3	1.76	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	8/12/2021	0.105 J	<20.0	20.9	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<20.0	33	<1.00	<5.00	<1.00	<1.00 C3	<1.00	<1.00	<1.00	<1.00
	11/29/2022	<1.00	<20.0	15.9	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	3/10/2023	<1.00	<20.0	8.73	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	6/1/2023	<1.00	<20.0	14.1 C3	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	9/1/2023	<1.00	<20.0	0.525 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	11/30/2023	<1.00	<20.0	0.589 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	02/06/2024	<1.00	<20.0	1.47	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-29-D2	1/14/2016	< 1.0	< 2.5	66	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/21/2016	< 1.0	< 2.5	51	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-29-VD	1/14/2016	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/21/2016	< 1.0	< 2.5	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D1	1/14/2016	< 1.0	< 2.5	100 E	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 2.5	53	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D2	1/14/2016	< 5.0	< 13	7.3	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/14/2016	< 2.0	< 5.0	8.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	6/22/2016	< 1.0	< 2.5	3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-VD	1/14/2016	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/22/2016	< 1.0	< 2.5	0.47 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	1/14/2016	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 2.5	3.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D2R	1/14/2016	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 2.5	0.32 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Trichloro-fluoro-methane (Freon 11)	Volatile Organics		GC Volatiles - RSK-175				Inorganics			Alkalinity, Bicarbonate as CaCO3
			Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	
NYS Class GA Standard		5	2	5	NE	NE	NE	NE	300	300	20,000	NE
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
AMW-12	1/14/2016	< 5.0	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-D1	6/24/2016	< 1.0	1.3	< 2.0	NA	NA	NA	NA	3,500	510 B	NA	569,000 B
	7/27/2016	< 1.0	9.9	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-D2	6/23/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	2,700	740 B	NA	1100 B
	7/27/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-VD	6/23/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	26,100	1100 B	NA	1100 B
	7/27/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
AMW-14-D1	6/24/2016	< 1.0	1.4	< 2.0	NA	NA	NA	NA	410	370 B	NA	< 140
	7/26/2016	< 1.0	1600 E	11	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	< 4.0	78	3.2 J	130	< 150	< 140	1,100	4,700	48	16,90,000 ^	NA
	8/27/2017	< 4.0	7.6	< 8.0	79	< 330	200 J	550	5,200	49 B	1,730,000	NA
	10/11/2017	< 2.0	3.2	20	23	< 170	190	580	4,400	48 B	1,590,000	NA
	7/12/2018	< 8.0	< 8.0	16	42	< 660	260 J	2,000	1,600	14 B	975,000	NA
	10/17/2018	< 1.0	32	1.6 J	120 B	< 330	< 310	1,600	5,000	55 B	1,560,000	NA
	5/10/2019	< 1.0*	2.1	16	73	150 J	440	1,900	5,780	94.9	1,740,000	NA
	9/13/2019	< 1.0	9	< 2.0	150	< 83	< 77	3,600	3,630	70.2	1,680,000	NA
	12/5/2019	< 1.0	22	1.8 J	160	13	210	3,800	6,940	59	1,100,000	NA
	2/12/2020	< 1.0	40	5.7	100 B	160	690	3,000 B	5,170	41.1	967,000	NA
	6/10/2020	< 5.00	5.59	0.780 J	43.1 T8	< 13.0	86.3	3,200	1,800	33.3	1,380,000	NA
	8/19/2020	< 5.00	4.74	4.86	42,500 T8	378	176	3,340	8,480	131	1,930,000	NA
	11/4/2020	< 5.00	6.16	3.95	28.2 T8	816	225	5,990	3,130	22.0	986,000	NA
	3/19/2021	< 5.00	25.3	3.77	61.8 P1 T8	110	661	5,200	12,500	150	1,950,000	NA
	6/2/2021	< 5.00	7.18	3.61	36.4 T8	831	171	6,810	3,040	70.9	1,890,000	NA
	8/12/2021	< 5.00	< 1.00 J4	3.90	56.1 B T8	437	445	4,350	5,080	88.3	2,060,000	NA
	11/16/2021	< 5.00	10.4	2.95 J	60.8 BT8	14.6	102	777	4,560	38.6	1,180,000	NA
	2/2/2022	< 5.00	< 1.00	1.38 J	40.8 T8	93.6	16.8	1,020	5,220	94.9	1,900,000	NA
	5/5/2022	< 5.00	9.17	2.71 J	< 20 J T8	325	251	3,850	5,910	109	2,020,000	NA
	8/24/2022	< 5.00	5.48	1.14 J	84.9 B T8	250	120	3,660	5,400	76.2	1,620,000	NA
	11/29/2022	< 5.00	4.80	2.89 J	67.7 B T8	381	118	5,180	2,090	19.5	1,100,000	NA
	3/9/2023	< 5.00	< 1.00	0.436 J	30,500 B T8	316	< 13.0	3,400	672	14.4	962,000	NA
	5/31/2023	< 5.00	< 1.00	0.448 J	31.2 B T8	453	< 13.0	6,320	1190	13.0	899,000	NA
	9/1/2023	< 5.00 C3	< 1.00 C3	0.340 J	22.8 B T8	141	< 13.0	2,060	1,010	16.6	956,000	NA
	11/30/2023	< 5.00	< 1.00	< 3.00	70 B T8	144	< 13.0	2,410	3,040	21.8	988,000	NA
	02/05/2024	< 5.00	0.253 J	0.201 J	22.2 B T8	269	< 13.0	4,260	1,030	19.7	942,000	NA
AMW-14-D2	6/23/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	6,600	510 B	NA	740 B
	7/26/2016	< 1.0	3.6	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2017	< 1.0	< 1.0	< 2.0	18	< 83	< 77	210	34 J	16 B	13,500	NA
	10/11/2017	< 1.0	< 1.0	< 2.0	100	< 170	< 150	1,200	17,300	760 B	3,260,000	NA
	7/12/2018	< 2.0	< 2.0	< 4.0	120	< 330	< 310	970	2,500	78 B	2,210,000	NA
	10/17/2018	< 1.0	< 1.0	< 3.0	150 B	< 330	< 310	2,200	2,700	100 B	2,230,000	NA
	5/10/2019	< 1.0	0.32 J	< 2.0	150	< 330	< 310	1,900	548	80.1	2,080,000	NA
	9/13/2019	< 1.0	0.65 J	< 2.0	160	< 83	< 77	2,600	1,870	86.3	2,070,000	NA
	12/5/2019	< 1.0	0.33 J	< 2.0	170	0.74 J	< 3.0	2,200	6,830	135	2,380,000	NA
	2/12/2020	< 1.0	< 1.0	< 2.0	120 B	1.1 J	< 3.0	1,800 B	5,590	116	1,630,000	NA
	6/10/2020	< 5.00	< 10.0	4.00 J	69.7 T8	< 13.0	< 13.0	2,070	5,070	119	1,990,000	NA
	8/19/2020	< 5.00	< 10.0	< 30.0	55,800 T8	< 13.0	< 13.0	1670	17,800	340	2,510,000	NA
	11/5/2020	< 5.00	< 1.00	< 3.00	26.3 T8	< 13.0	< 13.0	1,970	3,290	104	1,950,000	NA
	3/19/2021	< 5.00	< 1.00	< 3.00	44.6 T8	< 13.0	< 13.0	1,820	28,300	506	2,530,000	NA
	6/2/2021	< 5.00	6.49	< 3.00	47.6 T8	< 13.0	< 13.0	2,330	4,590	137	2,340,000	NA

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



Location ID	Date Sampled	Trichloro-fluoro-methane (Freon 11)	Volatile Organics		GC Volatiles - RSK-175				Inorganics			Alkalinity, Bicarbonate as CaCO3
			Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	
NYS Class GA Standard		5	2	5	NE	NE	NE	NE	300	300	20,000	NE
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
AMW-14-D2 (cont.)	8/12/2021	<5.00	<1.00	<3.00	91.0 T8	<13.0	<13.0	1,670	1,450	111	2,410,000	NA
	11/16/2021	<5.00	<1.00	<3.00	89.4 T8	<13.0	<13.0	255	5,870	145	2,310,000	NA
	2/2/2022	<5.00	<1.00	<3.00	103 T8	<13.0	<13.0	326	3,310	122	2,260,000	NA
	5/5/2022	<5.00 C3J4	<1.00	<3.00	69.3 B T8	<13.0	<13.0	1,400	2,750	132	2,460,000	NA
	8/24/2022	<5.00	<1.00	<3.00	107 T8	<13.0	<13.0	558	467	70.9	2,010,000	NA
	11/29/2022	<5.00	<1.00	<3.00	36.3 B T8	<13.0	<13.0	101	4,860	28.9	416,000	NA
	3/9/2023	<5.00	<1.00	<3.00	72,800 B T8	<13.0	<13.0	1,170	757	115	2,460,000	NA
	05/31/2023	<5.00	<1.00	<3.00	105 B T8	<13.0	<13.0	1,040	341	90.5	2,650,000	NA
	9/1/2023	<5.00 C3	<1.00 C3	<3.00	128 B T8	<13.0	<13.0	721	154	71.3	2,130,000	NA
	11/30/2023	<5.00	<1.00	<3.00	103 B T8	<13.0	<13.0	<10.0	1,260	76.8	2,130,000	NA
	02/06/2024	<5.00	<1.00	<3.00	71.7 B T8	<13.0	<13.0	<10.0	775	69.8	2,050,000	NA
	AMW-14-VD	9/1/2023	< 1.0	< 1.0	0.79 J	NA	<13.0	<13.0	1,820	28,300	506	2,530,000
9/1/2023		< 1.0	< 1.0	< 2.0	NA	<13.0	<13.0	1,820	28,300	506	2,530,000	NA
9/1/2023		< 1.0	< 1.0	< 2.0	120	<13.0	<13.0	1,820	28,300	506	2,530,000	NA
9/1/2023		< 1.0	< 1.0	< 2.0	100	<13.0	<13.0	1,820	28,300	506	2,530,000	NA
9/1/2023		< 1.0	< 1.0	3.2	82	<13.0	<13.0	1,820	28,300	506	2,530,000	NA
9/1/2023		< 1.0	< 1.0	< 2.0	120	< 7.5	< 7.0	27	18,400	410 B	8,660,000	NA
9/1/2023		< 1.0	< 1.0	< 3.0	110 B	< 7.5	< 7.0	24	18,500	390 B	9,100,000	NA
9/1/2023		<1.0	<1.0	<2.0	130	<7.5 H	<7.0 H	12 H	14,700	387	71,50,000 B	NA
9/1/2023		<1.0	<1.0	<2.0	140	<7.5	<7.0	20	15,200	376	6,810,000	NA
9/1/2023		<1.0	<1.0	<2.0	130	< 4.0	<3.0	33	18,800	432	8,960,000	NA
9/1/2023		<1.0	<1.0	<2.0	100 B	< 4.0	< 3.0	28 B	12,800	339	5,740,000	NA
9/1/2023		<5.00	<1.00	<3.00	88.9 T8	<13.0	<13.0	467	17,600	381	8,070,000	NA
9/1/2023		<5.00	<1.00	<3.00	82,100 T8	<13.0	<13.0	26.4	16,700	389	8,790,000	NA
9/1/2023		<5.00	<1.00	<3.00	<20 T8	<13.0	<13.0	48.6	18,000	396	7,940,000	NA
9/1/2023		<5.00	<1.00	<3.00	82.5 T8	<13.0	<13.0	51.9	18,500	395	8,320,000	NA
9/1/2023		<5.00	<1.00	<3.00	99.3 T8	<13.0	<13.0	52.7	18,900	396	8,510,000	NA
9/1/2023		<5.00	<1.00	<3.00	148 T8	<13.0	<13.0	61.1	19,400	393	8,190,000	NA
9/1/2023		<5.00	<1.00	<3.00	112 T8	<13.0	<13.0	18.4	20,000	383	8,670,000	NA
9/1/2023		<5.00	<1.00	<3.00	138 T8	<13.0	<13.0	9.62 J	18,200	411	8,690,000	NA
9/1/2023		<5.00 C3J4	<1.00	<3.00	112 B T8	<13.0	<13.0	31.7	18,600	401	8,720,000	NA
9/1/2023		<5.00	<1.00	<3.00	100 B T8	<13.0	<13.0	15.9	18,500	375	7,850,000	NA
9/1/2023		<5.00	<1.00	<3.00	87.3 B T8	<13.0	<13.0	26.3	16,900	379	8,400,000	NA
9/1/2023		<5.00	<1.00	<3.00	116,000 B T8	<13.0	<13.0	25.4	18,700	399	9,190,000	NA
09/01/2023		<5.00	<1.00	<3.00	203 T8	<13.0	<13.0	<10.0	17,900	411	8,270,000	NA
9/1/2023		<5.00 C3	<1.00 C3	<3.00	180 T8	<13.0	<13.0	7.80 B J P1	11,000	261	5,120,000	NA
11/30/2023		<5.00	<1.00	<3.00	174 T8	<13.0	<13.0	<10.0	21,500	411	8,380,000	NA
02/05/2024	<5.00	<1.00	<3.00	154 T8	<13.0	<13.0	<10.0	19,500	409	8,580,000	NA	
AMW-15-D1	6/23/2016	< 1.0	70	< 2.0	NA	NA	NA	NA	2,200	500 B	NA	602
	7/27/2016	< 5.0	410	6.5 J	NA	NA	NA	NA	NA	NA	NA	NA
	10/26/2016	< 10	600 F1	15 J	NA	NA	NA	NA	1,900 B	70 B	NA	130
	10/26/2016	< 4.0	240	5.5 J	NA	NA	NA	NA	95 B	110 B	NA	528
	7/5/2017	< 4.0	10	< 8.0	110	< 150	< 140	400	2,100	84	17,50,000 ^	NA
	8/27/2017	< 4.0	76	17	27	92 J	830	4,000	12,400	170 B	1,520,000	NA
	10/11/2017	< 2.0	24	12	34	< 330	470	2,400	6,900	100 B	17,10,000 ^	NA
	10/17/2018	< 5.0	< 5.0	19	40	< 660	< 620	5,100	3,900	320	989,000	NA
	5/9/2019	< 1.0*	1.1	6.3	52	<830	<770	3,200	3,340	335	1,170,000	NA
	9/13/2019	< 1.0	2	5.1	47	290 J	150 J	4,000	3,740	311	1,160,000	NA
	12/5/2019	< 1.0	2.2	5.8	39	490	550	6,200	3,550	243	1,200,000	NA
	2/11/2020	< 1.0	< 1.0	1.6 J	20 B	89	49	700 B	4,740	303	1,050,000	NA
	6/10/2020	<25.0	<5.00	6.20 J	<20.0 T8	775	165	6,590	512	150	1,050,000	NA
	8/19/2020	<25.0	<5.00	2.96 J	<20.0 T8	550	27.5	4,380	1,320	126	1,460,000	NA
	11/4/2020	<5.00	<1.00	1.61 J	<20 T8	722	<13.0	5,200	800	80.5	1,030,000	NA
	3/19/2021	<25.0	<5.00	5.23 J	23 T8	1,370	90.7	9,900	13,700	113	1,210,000	NA
	6/2/2021	<5.00	<1.00	1.14 J	<20 T8	298	<13.0	1,970	597	55.6	1,040,000	NA
	11/16/2021	<5.00	<1.00	2.26 J	25.2 BT8	198	<13.0	1,380	612	17.9	1,230,000	NA

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Location ID	Date Sampled	Trichloro-fluoro-methane (Freon 11)	Volatile Organics		GC Volatiles - RSK-175				Inorganics			Alkalinity, Bicarbonate as CaCO3
			Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	
NYS Class GA Standard		5	2	5	NE	NE	NE	NE	300	300	20,000	NE
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
AMW-15-D1 (cont.)	2/1/2022	<5.00	<1.00	1.29 J	23.9 T8	183	<13.0	1,510	1,150	26.7	1,280,000	NA
	5/5/2022	<5.00	<1.00	0.309 J	<20 B J T8	291	<13.0	2,150	1,020	47.5	1,230,000	NA
	8/24/2022	<5.00	<1.00	<3.00	<20.0 T8	455	<13.0	3,630	1,670	45.7	912,000	NA
	11/28/2022	<5.00	9.20	0.332 J	40.5 B T8	655	<13.0	6,370	430	17.6	1,240,000	NA
	3/10/2023	<5.00	<1.00	0.273 J	44,800 B T8	502	<13.0	5,110	735	24.5	1,620,000	NA
	06/01/2023	<5.00 C3	<1.00	0.200 J	<20.0 T8	439	<13.0	5,060	94.9 J	24.6	1,040,000	NA
	8/31/2023	<5.00 J3	<1.00 C3	<3.00	47.3 B T8	242	<13.0	3,070	66.0 J	18.5 B	1,240,000	NA
	11/30/2023	<5.00	<1.00	<3.00	56.4 B T8	<13.0	<13.0	<10.0	2,250	30.3	760,000	NA
	02/05/2024	<5.00	<1.00	<3.00	<20 T8	<13.0	<13.0	<10.0	492	13.6	584,000	NA
AMW-15-D2	6/23/2016	< 1.0	1.8	< 2.0	NA	NA	NA	NA	110	5.8 B	NA	50 B
	6/23/2016	< 1.0	1.7	< 2.0	NA	NA	NA	NA	120	6.3 B	NA	185
	7/27/2016	< 1.0	3.5	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	10/26/2016	< 1.0	4.7	< 2.0	NA	NA	NA	NA	50 B	85 B	NA	99.9
	10/26/2016	< 1.0	30	< 2.0	NA	NA	NA	NA	< 50	98 B	NA	600
	7/5/2017	< 4.0	< 4.0	< 8.0	98	< 150	< 140	430	700	110	20,90,000 ^	NA
	8/27/2017	< 4.0	300	12	94	< 170	37 J	880	3,500	140 B	2,200,000	NA
	10/11/2017	< 4.0	25	< 8.0	68	< 170	< 150	280	4,500	130 B	21,50,000 ^	NA
	10/17/2018	< 1.0	< 1.0	< 3.0	110	< 330	< 310	560	750	55	2,130,000	NA
	5/10/2019	< 1.0	< 1.0	< 2.0	130	< 170	< 150	520	328	72	2,030,000	NA
	9/13/2019	< 1.0	0.39 J	< 2.0	140	< 170	< 150	680	493	54.6	2,030,000	NA
	12/5/2019	< 1.0	< 1.0	< 2.0	120	1.3 J	3 U	800	739	62.7	1,870,000	NA
	2/11/2020	< 1.0	< 1.0	< 2.0	97 B	1.9 J	< 3.0	690 B	978	69.9	1,820,000	NA
	6/9/2020	<5.00	<1.00	0.225 J	39.8 T8	<13.0	<13.0	920	595	75.7	1,580,000	NA
	8/19/2020	<5.00	<1.00	<3.00	46,600 T8	<13.0	<13.0	409	10,500	150	2,230,000	NA
	11/4/2020	<5.00	<1.00	<3.00	21.5 T8	6.37 J	<13.0	809	963	76.6	1,940,000	NA
	3/19/2021	<5.00	7.82	<3.00	36.2 T8	<13.0	<13.0	19.3	14,800	258	2,220,000	NA
	6/2/2021	<5.00	<1.00	<3.00	<20 T8	<13.0	<13.0	1,100	10,100	97.9	2,220,000	NA
	8/12/2021	<5.00	<1.00	<3.00	46.8 B T8	<13.0	<13.0	<10.0	1,850	100	2,010,000	NA
	11/16/2021	<5.00	<1.00	<3.00	46 T8	<13.0	<13.0	156	362	166	1,450,000	NA
	2/1/2022	<5.00	<1.00	<3.00	70.9 T8	<13.0	<13.0	118	1,450	102	1,880,000	NA
	5/4/2022	<5.00	<1.00	<3.00	<20 T8	<13.0	<13.0	763	4,130	69	1,220,000	NA
	8/24/2022	<5.00	<1.00	<3.00	96.7 B T8	<13.0	<13.0	418	4,560	69.6	1,180,000	NA
	11/29/2022	<5.00	<1.00	<3.00	70.6 B T8	<13.0	<13.0	652	511	75.0	1,610,000	NA
	3/10/2023	<5.00	<1.00	<3.00	47,500 B T8	<13.0	<13.0	359	1,410	65.5	1,570,000	NA
	6/1/2023	<5.00 C3	<1.00	<3.00	94.5 B T8	<13.0	<13.0	779	240	56.2	1,810,000	NA
	8/31/2023	<5.00 J3	<1.00 C3	<3.00	<20 T8	<13.0	<13.0	19.3 B	557	30.6	985,000	NA
	11/30/2023	<5.00	<1.00	<3.00	<20 T8	<13.0	<13.0	<10.0	4,390	104	824,000	NA
	02/05/2024	<5.00	<1.00	<3.00	51.8 B T8	<13.0	<13.0	<10.0	473	64.0	510,000 V	NA
	AMW-15-D3	6/23/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	98	250 B	NA
6/23/2016		< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	120	240 B	NA	< 5
7/27/2016		< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
8/27/2017		< 4.0	16	17	5.1	< 330	< 310	2,400	2,300	450 B	29,80,000 ^	NA
10/11/2017		< 2.0	< 2.0	< 4.0	< 5	< 170	< 150	610	450	99 B	25,00,000 ^	NA
7/13/2018		< 2.0	< 2.0	< 4.0	7.6	< 330	< 310	1,500	3,100	1,100 B	3,870,000	NA
10/17/2018		< 1.0	< 1.0	< 3.0	100	< 170	< 150	2,800	260	200	2,610,000	NA
5/10/2019		< 1.0	< 1.0	< 2.0	140	< 330	< 310	1,600	301	222	2,730,000	NA
9/13/2019		< 1.0	< 1.0	< 2.0	130	< 170	< 150	1,400	612	231	2,720,000	NA
12/5/2019		< 1.0	< 1.0	< 2.0	100	< 4.0	< 3.0	1,400	349	97.4	1,550,000	NA
2/11/2020		< 1.0	0.57 J	< 2.0	85 B	3.1 J	< 3.0	1,100 B	3,631	106	1,330,000	NA
6/9/2020		<5.00	<1.00	<3.00	29.8 T8	<13.0	<13.0	1,340	1,130	138	1,690,000	NA
8/19/2020		<5.00	<1.00	0.376 J	52,200 T8	19.0	<13.0	2,800	3,030	871	3,930,000	NA
11/4/2020		<5.00	<1.00	0.174 J	23.4 T8	<13.0	<13.0	2,010	795	131	1,660,000	NA
3/19/2021		<5.00	7.44	4.59	<20 T8	76.3	6.25 J	6,270	439	484	2,960,000	NA
6/1/2021		<5.00	1.29	0.930 J	<20 T8	36.7	<13.0	4,700	657	628	3,350,000	NA
8/12/2021		<5.00	4.44	5.08	<20 T8	49.4	<13.0	6,110	92.4 J	1.65 J	462,000	NA
11/16/2021		<5.00	5.59	3.66	<20 T8	16.5	<13.0	1,910	584	8.71 J	479,000	NA

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Trichloro-fluoro-methane (Freon 11)	Volatile Organics		GC Volatiles - RSK-175				Inorganics			Alkalinity, Bicarbonate as CaCO3
			Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	
NYS Class GA Standard		5	2	5	NE	NE	NE	NE	300	300	20,000	NE
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
AMW-15-D3 (cont.)	2/1/2022	<5.00	3.72	2.43 J	<20.0 T8	9.91 J	<13.0	1,340	440	631	3,100,000	NA
	5/5/2022	<5.00	3.94	2.05 J	<20 T8	29.5	<13.0	4,050	622	52.9	999,000	NA
	11/28/2022	<5.00	<1.00	<3.00	37.9 B T8	<13.0	<13.0	358	1,310	514	2,590,000	NA
	3/9/2023	<5.00	0.561 J	0.486 J	88,000 B T8	<13.0	<13.0	1,250	2,220	1,340	4,330,000	NA
	6/1/2023	<5.00 C3	<1.00	<3.00	60.4 B T8	<13.0	<13.0	356	1,740	462	2,200,000	NA
	8/31/2023	<5.00 J3	<1.00 C3	<3.00	<20 T8	<13.0	<13.0	<10.0	759	16.2	114,000	NA
	11/30/2023	<5.00	1.45	1.03 J	89 B T8	18.3	<13.0	2,540	8,350	1,300	3,880,000	NA
	02/05/2024	<5.00	<1.00	<3.00	<20 T8	<13.0	<13.0	<10.0	830	32.1	48,000	NA
AMW-15-VD	6/23/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	4,200	200 B	NA	303
	7/27/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2017	< 1.0	< 1.0	< 2.0	31	< 7.5	< 7.0	24	11,800	350 B	8,910,000	NA
	10/11/2017	< 1.0	< 1.0	3	40	< 7.5	< 7.0	8	11,700	340 B	91,80,000 ^	NA
	7/13/2018	< 1.0	< 1.0	< 2.0	41	< 7.5	< 7.0	37	10,600	320 B	8,290,000	NA
	10/17/2018	< 1.0	< 1.0	< 3.0	37	< 7.5	< 7.0	27	10,700	310	8,770,000	NA
	5/10/2019	< 1.0	< 1.0	< 2.0	17	< 7.5 H	< 7.0 H	25 H	3,600	287	8,560,000	NA
	9/13/2019	< 1.0	< 1.0	< 2.0	49	< 7.5	< 7.0	22	7,650	192	5,240,000	NA
	12/5/2019	< 1.0	< 1.0	< 2.0	22	< 4.0	< 3.0	51	5,150	220	6,360,000	NA
	2/11/2020	< 1.0	< 1.0	< 2.0	11 B	< 4.0	< 3.0	38 B	2,850	157	4,770,000	NA
	6/9/2020	<5.00	<1.00	<3.00	<20.0 T8	<13.0	<13.0	54.9	5,330	213	6,680,000	NA
	8/19/2020	<5.00	<1.00	<3.00	29,500 T8	<13.0	<13.0	44.9	6,080	230	6,370,000	NA
	11/4/2020	<5.00	<1.00	<3.00	<20 T8	<13.0	<13.0	63.3	4,530	280	8,440,000	NA
	3/19/2021	<5.00	<1.00	<3.00	21.7 T8	<13.0	<13.0	64.5	10,200	288	8,660,000	NA
	6/2/2021	<5.00	<1.00	<3.00	7,310 J T8	<13.0	<13.0	76.2	663	12.8	204,000	NA
	8/12/2021	<5.00	<1.00	<3.00	53.2 B T8	<13.0	<13.0	<10.0	5,030	538	31,600	NA
	11/16/2021	<5.00	<1.00	<3.00	53.3 T8	<13.0	<13.0	42.7	13,300	281	8,640,000	NA
	2/1/2022	<5.00	<1.00	<3.00	27.6 T8	<13.0	<13.0	17.1	6,990	264	8,650,000	NA
	5/5/2022	<5.00 C3 J4	<1.00	<3.00	25.9 B T8	<13.0	<13.0	<10.0	18,800	363	8,030,000	NA
	8/24/2022	<5.00	<1.00	<3.00	38.6 B T8	<13.0	<13.0	20.5	15,100	307	8,330,000	NA
	11/28/2022	<5.00	<1.00	<3.00	30.3 B T8	<13.0	<13.0	39.5	8,060	300	4,360,000	NA
	3/10/2023	<5.00	<1.00	<3.00	31,100 B T8	<13.0	<13.0	37.3	5,470	310	8,520,000	NA
	6/1/2023	<5.00 C3	<1.00	<3.00	44.0 B T8	<13.0	<13.0	38.9	8,550	311	8,410,000	NA
	8/31/2023	<5.00 J3	<1.00 C3	2.94 J	<20 T8	52.5	5.67 J	6,770	1,050	76.0	666,000	NA
	11/30/2023	<5.00	<1.00	<3.00	<20 T8	<13.0	<13.0	<10.0	2,850	56.5	26,800	NA
	02/05/2024	<5.00	1.01	0.945 J	<20 T8	11.8 J	<13.0	1,120	1,810	61.3	532,000	NA
AMW-3	1/13/2016	< 5.0	< 5.0	20	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	16,200	1,400 B	NA	351
AMW-7R	1/12/2016	< 5.0	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 1.0	< 1.0	0.79 J	NA	NA	NA	NA	170	74 B	NA	2,900 B
	7/11/2018	< 2.0	< 2.0	< 4.0	82	< 330	< 310	3,500	20,000	2,500 B	199,000	NA
	10/17/2018	< 1.0	< 1.0	0.61 J	94 B	< 330	< 310	5,800	12,500	2,900 B	168,000	NA
	5/10/2019	< 1.0	< 1.0	1.3 J	94	< 330 UH	< 310 UH	3,100 H	8,080	2,770	105,000	NA
	9/14/2019	< 1.0	< 1.0	< 2.0	110	< 170	< 150	3,600	6,840	2,770	95,700	NA
	12/6/2019	< 1.0	< 1.0	0.73 J	47	1.6 J	< 3.0	6,200	4,790	1,420	93,300	NA
	2/12/2020	< 1.0	< 1.0	0.86 J	52 B	2.4 J	< 3.0	5,500 B	24,900	2,730	86,900	NA
	6/9/2020	<5.00	<1.00	1.66 J	38.1 T8	<13.0	<13.0	9,370	16,000	2,270	93,200	NA
	8/19/2020	<5.00	<1.00	0.990 J	46.3 T8	<13.0	<13.0	3550	94900	3080	113,000	NA
	11/6/2020	<5.00	<1.00	0.241 J	44.3 T8	4.44 J	<13.0	7,880	33,200	3,500	111,000	NA
	3/19/2021	<5.00	<1.00	<3.00	32.1 T8	<13.0	<13.0	7,700	35,500	2,390	234,000	NA
	6/2/2021	<5.00	<1.00	2.53 J	36.4 T8	<13.0	<13.0	10,100	21,800	2,160	168,000	NA
	8/12/2021	<5.00	<1.00	<3.00	71.3 T8	<13.0	<13.0	4,930	8,720	2,450	193,000	NA
	11/16/2021	<5.00	<1.00	<3.00	65.1 T8	<13.0	<13.0	2,830	3,360	1,640	108,000	NA
	5/5/2022	<5.00 C3J4	<1.00	0.285 J	46.3 B T8	<13.0	<13.0	4,220	3,990	2,400	92,300	NA
	11/29/2022	<5.00	<1.00	1.22 J	<20.0 T8	<13.0	<13.0	6,830	10,700	2,000	97,800	NA
	3/10/2023	<5.00	<1.00	2.98 J	23,000 B T8	<13.0	<13.0	5,390	5,490	1,320	91,000	NA
	6/1/2023	<5.00 C3	<1.00	<3.00	55.4 B T8	<13.0	<13.0	1,790	4,270	1,150	99,700	NA
	8/31/2023	<5.00 C3	<1.00 C3	0.342 J	51.5 B T8	<13.0	<13.0	6,250	2,250	1,960	87,200	NA
	11/30/2023	<5.00	<1.00	5.71	24 B T8	<13.0	<13.0	10,000	4,880	829	87,200	NA
	02/06/2024	<5.00	<1.00 C3	0.762 J	52.6 B T8	<13.0	<13.0	5,730	5,570	1,700	84,300	NA
ASB-2	6/6/2016	< 1.0	6	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
ASB-3	6/8/2016	< 1.0	81	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
ASB-4	6/7/2016	< 5.0	400	36	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Trichloro-fluoro-methane (Freon 11)	Volatile Organics		GC Volatiles - RSK-175				Inorganics			Alkalinity, Bicarbonate as CaCO3
			Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	
NYS Class GA Standard		5	2	5	NE	NE	NE	NE	300	300	20,000	NE
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
ASB-5	6/2/2016	< 1.0	11	0.89 J	NA	NA	NA	NA	NA	NA	NA	NA
ASB-7	6/2/2016	< 2.0	31	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
MW-18R	6/22/2016	< 10	< 10	< 20	NA	NA	NA	NA	11,500 B	470 B	NA	20,000 B
	7/11/2018	< 20	< 20	< 40	2.2 J	< 660	< 620	3,800	1,400	17 B	161,000	NA
	10/17/2018	< 5.0	< 5.0	5.2 J	11 B	< 660	< 620	9,700	450	26 B	193,000	NA
	9/14/2019	< 1.0	< 1.0	7.1	32	<660	<620	13,000	11,700	110	310,000	NA
	12/5/2019	< 1.0	< 1.0	5.2	12.5	21	0.81 J	16,000	3,100	30.8	323,000	NA
	2/12/2020	< 1.0	< 1.0	< 2.0	3.9 J B	< 4.0	< 3.0	89	9,770	49.9	45,100	NA
	6/9/2020	<25.0	<5.00	5.52 J	<20.0 T8	8.80 J	<13.0	5,640	5,240	28.9	204,000	NA
	3/19/2021	<5.00	<1.00	4.41	<20 T8	19	<13.0	8,840	1,450	11.7	191,000	NA
	6/2/2021	<5.00	<1.00	1.50 J	<20 T8	<13.0	<13.0	5,700	1,270	18.5	362,000	NA
	8/12/2021	<5.00	<1.00 J4	5.64	42.3 B T8	13.5	<13.0	12,300	1,250	59.9	609,000	NA
	11/16/2021	<5.00	<1.00	7.81	30.8 BT8	<13.0	<13.0	2,660	553	42.6	507,000	NA
	2/2/2022	<5.00	<1.00	3.73	--	<13.0	<13.0	1,630	--	--	--	NA
	5/5/2022	<5.00 C3J4	<1.00	5.55	<20 T8	<13.0	<13.0	8,600	2,780	21.9	245,000	NA
	8/25/2022	<5.00	<1.00	2.60 J	NA	NA	NA	NA	NA	NA	NA	NA
	11/29/2022	<5.00	<1.00	5.73	<20.0 T8	<13.0	<13.0	11,600	631	19.4	442,000	NA
	3/9/2023	<5.00	<1.00	5.85	<20,000 T8	14.5	<13.0	10,400	NA	NA	NA	NA
	5/31/2023	<5.00	<1.00	2.41 J	NA	<13.0	<13.0	3,600	932	9.38 J	115,000	NA
	8/31/2023	<5.00 C3	<1.00 C3	5.60	91.5 B T8	11.5 J	<13.0	12,400	2,200	47.6	280,000	NA
	11/30/2023	<5.00	<1.00	4.95	<20 T8	8.75 J	<13.0	9,040	1,920	20.5	125,000	NA
	02/06/2024	<5.00	<1.00 C3	4.65	<20 T8	10.5 J	<13.0	7,970	2,320	19.3	176,000	NA
MW-23-D1R	10/26/2016	< 2.0	< 2.0	< 4.0	NA	NA	NA	NA	< 50	21 B	NA	555
	10/26/2016	< 5.0	< 5.0	< 10	NA	NA	NA	NA	240 B	670 B	NA	525
	1/12/2016	< 5.0	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA
	6/20/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	660	690 B	NA	485
	7/5/2017	< 4.0	< 4.0	< 8.0	82	< 150	< 140	150	17,100	3,100	11,90,000 ^	NA
	8/27/2017	< 4.0	< 4.0	< 8.0	75	< 83	< 77	1,500	33,900	2200 B	11,90,000 ^	NA
	10/12/2017	< 4.0	< 4.0	< 8.0	55	< 170	< 150	1,300	3,800	1000 B	12,30,000 ^	NA
	7/12/2018	< 4.0	< 4.0	< 8.0	64	< 330	< 310	4,800	4,300	810 B	1,360,000	NA
	10/17/2018	< 1.0	1	< 3.0	63	< 660	< 620	3,600	1,900	930	1,220,000	NA
	9/13/2019	< 1.0	0.26 J	< 2.0	68	<83	<77	1,400	1,460	636	971,000	NA
	12/5/2019	< 1.0	< 1.0	< 2.0	660	8.2	< 3.0	2,100	2,020	852	389,000	NA
	2/11/2020	< 1.0	< 1.0	< 2.0	10 B	3.3 J	< 3.0	770 B	2,650	191	474,000	NA
	6/10/2020	<5.00	<1.00	0.190 J	29.6 T8	6.78 J	<13.0	1,560	1,430	511	1,240,000	NA
	8/19/2020	<5.00	<1.00	<3.00	41,200 T8	6.95 J	<13.1	1,780	6,320	1,260	1,300,000	NA
	11/5/2020	<5.00	<1.00	<3.00	23.9 T8	7.51 J	<13.0	2,040	3,260	1,050	1,300,000	NA
	3/19/2021	<5.00	<1.00	<3.00	29.3 T8	<13.0	<13.0	303	105,000	4,350	1,310,000	NA
	6/2/2021	<5.00	<1.00	<3.00	22.3 T8	<13.0	<13.0	876	5,830	1,660	1,280,000	NA
	8/12/2021	<5.00	<1.00	<3.00	30.8 B T8	<13.0	<13.0	944	2,970	973	1,320,000	NA
	11/16/2021	<5.00	<1.00	<3.00	39.1 BT8	<13.0	<13.0	225	3,070	1,120	770,000	NA
	2/2/2022	<5.00	<1.00	<3.00	48.6 T8	<13.0	<13.0	195	11,400	1,090	1,340,000	NA
5/5/2022	<5.00	<1.00	<3.00	47.1 B T8	<13.0	<13.0	328	5,870	926	1,390,000	NA	
8/25/2022	<5.00	<1.00	<3.00	21.9 B T8	9.18 J	<13.0	1,160	1,450	1,270	1,170,000	NA	
11/29/2022	<5.00	<1.00	<3.00	<20.0 T8	<13.0	<13.0	189	1,730	120	34,000	NA	
3/9/2023	<5.00	<1.00	<3.00	58,200 B T8	<13.0	<13.0	676	5,640	472	1,430,000	NA	
6/1/2023	<5.00 C3	<1.00	<3.00	21.8 B T8	<13.0	<13.0	938	426	346	818,000	NA	
8/31/2023	<5.00 C3	<1.00 C3	<3.00	41.5 B T8	<13.0	<13.0	65.6	267	554	1,200,000	NA	
02/06/2024	<5.00	<1.00 C3	<3.00	46.5 B T8	<13.0	<13.0	<10.0	681	608	1,530,000	NA	
MW-23-D2R	1/12/2016	< 5.0	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA
	6/20/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	40 J	110 B	NA	543
	7/5/2017	< 1.0	< 1.0	< 2.0	130	< 38	< 35	73	4,400	210	21,90,000 ^	NA
	8/27/2017	< 4.0	< 4.0	< 8.0	110	< 83	< 77	360	1,800	170 B	19,30,000 ^	NA
	10/12/2017	< 1.0	1.2	< 2.0	100	< 170	< 150	200	2,800	140 B	25,70,000 ^	NA
	7/12/2018	< 1.0	< 1.0	< 2.0	32	< 170	< 150	290	1,660	279	1,930,000	NA
5/9/2019	< 1.0	< 1.0	< 2.0	32	< 170	< 150	290	1,660	279	1,930,000	NA	

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Trichloro-fluoro-methane (Freon 11)	Volatile Organics		GC Volatiles - RSK-175				Inorganics				Alkalinity, Bicarbonate as CaCO3
			Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium		
NYS Class	GA Standard	5	2	5	NE	NE	NE	NE	300	300	20,000	NE	
	Units	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	
MW-23-D2R (cont.)	9/13/2019	< 1.0	< 1.0	< 2.0	140	< 170	< 150	700	25,700	2,350	1,600,000	NA	
	12/5/2019	< 1.0	< 1.0	< 2.0	69	2.9 J	< 3.0	1,500	26,100	2,120	1,410,000	NA	
	8/19/2020	< 5.00	< 1.00	< 3.00	54,100 T8	< 13.0	< 13.0	1,190	46,200	290	2,340,000	NA	
	11/5/2020	< 5.00	< 1.00	< 3.00	32.6 T8	< 13.0	< 13.0	1,020	12,700	2,830	1,900,000	NA	
	3/18/2021	< 5.00	< 1.00	< 3.00	53.5 T8	< 13.0	< 13.0	61	8,940	139	2,220,000	NA	
	6/2/2021	< 5.00	< 1.00	< 3.00	61.5 T8	< 13.0	< 13.0	878	1,520	267	2,010,000	NA	
	8/12/2021	< 5.00	< 1.00	< 3.00	35.9 B T8	< 13.0	< 13.0	1,070	1,380	1,550	1,560,000	NA	
	11/16/2021	< 5.00	< 1.00	< 3.00	72 T8	< 13.0	< 13.0	421	2,140	1,510	1,710,000	NA	
	2/2/2022	< 5.00	< 1.00	< 3.00	92.6 T8	< 13.0	< 13.0	389	953	1,400	1,620,000	NA	
	5/5/2022	< 5.00 C3J4	< 1.00	< 3.00	79.8 B T8	< 13.0	< 13.0	1,310	803	1,240	1,180,000	NA	
	8/25/2022	< 5.00	< 1.00	< 3.00	30.4 B T8	< 13.0	< 13.0	1,330	2,530	761	868,000	NA	
	11/29/2022	< 5.00	< 1.00	< 3.00	37.5 B T8	NA	NA	NA	863	894	1,380,000	NA	
	3/9/2023	< 5.00	< 1.00	< 3.00	NA	< 13.0	< 13.0	625	NA	NA	NA	NA	
	6/1/2023	< 5.00 C3	< 1.00	< 3.00	< 20.0 T8	< 13.0	< 13.0	172	2,740	662	966,000	NA	
	8/31/2023	< 5.00 C3	< 1.00 C3	< 3.00	25.3 B T8	< 13.0	< 13.0	721	872	136	767,000	NA	
	11/30/2023	< 5.00	< 1.00	< 3.00	< 20 T8	< 13.0	< 13.0	744	3,090	258	1,260,000	NA	
	02/06/2024	< 5.00	< 1.00 C3	< 3.00	41.7 B T8	< 13.0	< 13.0	48.1	2,790	299	702,000	NA	
MW-24-D1R	1/13/2016	< 5.0	99	< 10	NA	NA	NA	NA	NA	NA	NA	NA	
	6/21/2016	< 4.0	35	9.3	NA	NA	NA	NA	32 J	60 B	NA	NA	550 J
	10/26/2016	< 1.0	33	7.2	NA	NA	NA	NA	< 50	49 B	NA	NA	526
	10/26/2016	< 1.0	15	6.6	NA	NA	NA	NA	58 B	8.9 B	NA	NA	324
	10/26/2016	< 4.0	< 4.0	< 8.0	NA	NA	NA	NA	24 J B	59 B	NA	NA	577
	7/12/2018	< 8.0	160	29	67	130 J	1,100	5,900	10,100	120 B	2,140,000	NA	
	10/16/2018	< 5.0	22	25	59	< 660	550 J	6,000	2,900	91	1,070,000	NA	
	5/9/2019	< 1.0	1.5	3.6	98	< 330	< 310	1,600	4,120	79.6	1,720,000	NA	
	9/13/2019	< 1.0 [≤ 1.0]	8.0 [9.2]	33 [30]	36 [51]	750 [730]	100 J [99 J]	7,300 [7,700]	2,140 [4,060]	32.1 [56.5]	13,20,000 [15,20,000]	NA	
	12/5/2019	< 1.0 [≤ 1.0]	3.4 [5.4]	11 [29]	30 [60]	320 [880]	88 [280]	2,400 [8,400]	1,540 [1,410]	40.6 [38.3]	13,40,000 [11,70,000]	NA	
	2/11/2020	< 1.0 [≤ 1.0]	2.3 [7.9]	24 [37]	57 B [57 B]	520 [520]	110 [270]	4,500 B [5900]	196 [426]	13.1 J [15]	13,70,000 [15,40,000]	NA	
	6/9/2020	< 25.0 [≤ 25.0]	2.86 J [≤ 5.00]	31.1 [34.4]	47.8 T8 [38.3 T8]	419 [549]	230 [147]	5,930 [6,460]	1,290 [2,340]	22.6 [40.8]	15,50,000 [16,50,000]	NA	
	8/19/2020	< 25.0 [≤ 25.0]	< 5.00 [≤ 5.00]	26.9 [26.3]	47,000 T8 [46,300 T8]	589 [566]	116 [111]	6,530 [6,280]	674 [819]	9.41 J [14.6]	14,40,000 [14,70,000]	NA	
	11/5/2020	< 25.0 [≤ 25.0]	< 5.00 [≤ 5.00]	24.1 [18.6]	57.2 T8 [48.7 T8]	794 [609]	274 [219]	12,600 [9,970]	486 [631]	9.69 J [10.4]	1,430,000 [1,420,000]	NA	
	3/19/2021	< 5.00 [≤ 25.0]	< 1.00 [≤ 5.00]	23.8 [22.7]	< 20 T8 [38 T8]	647 [752]	209 [219]	10,400 [11,100]	415 [4,070]	7.67 J [42.5]	1,430,000 [1,330,000]	NA	
	6/1/2021	< 5.00 [≤ 25.0 C3]	1.06 [2.21 C3 J]	20.2 [18.0]	38.9 T8 [26.2 T8]	480 [451]	145 [139]	7,940 [6,890]	722 [2,570]	12.4 [39.2]	1,480,000 [1,560,000]	NA	
	11/16/2021	< 5.00 [≤ 5.00]	< 1.00 [≤ 1.00]	12.6 [12.3]	< 20 B J T8 [32.3 B T8]	70.5 [78.5]	20.2 [21.8]	1,280 [1,390]	3,390 [15,100]	294 [290]	1,370,000 [1,390,000]	NA [NA]	
	2/2/2022	< 5.00 [≤ 5.00]	0.242 J [≤ 1.00]	8.44 [9.73]	58.5 T8 [59.3 T8]	38.9 [56.8]	12.7 J [23.0]	872 [1,030]	2,270 [6,490]	333 [290]	1,360,000 [1,390,000]	NA [NA]	
	5/4/2022	< 5.00 [≤ 5.00 C3 J4]	0.623 J [≤ 1.00]	15.5 [15.1]	38.7 T8 [42.1 B T8]	251 [236]	127 [122]	6,520 [6,430]	18,700 [25,800]	40.9 [48]	1,510,000 [1,430,000]	NA [NA]	
	8/24/2022	< 5.00 [≤ 5.00]	0.909 J [≤ 1.00]	13.7 [13.8]	116 T8 [124 T8]	286 [242]	134 [91.2]	2,380 [5,530]	4,490 [7,810]	70.9 [80.6]	1,500,000 [1,460,000]	NA [NA]	
MW-24-D2	11/29/2022	< 5.00 [≤ 5.00]	5.16 [≤ 1.00]	7.14 [6.65]	49.2 B T8 [48.6 B T8]	245 [203]	75.8 [53.3]	5,770 [4,490]	3,410 [5,450]	34.4 [56.6]	1,360,000 [1,340,000]	NA	
	3/10/2023	< 5.00 [≤ 5.00]	< 1.00 [≤ 1.00]	7.30 [5.77 J]	59,100 B T8 [57,400 B T8]	225 [209]	99.8 [93.8]	5,990 [5,460]	2,770 [8,930]	50.8 [115]	1,500,000 [1,550,000]	NA	
	5/31/2023	< 5.00 [≤ 5.00]	< 1.00 [≤ 1.00]	10.6 [8.45 J]	64.1 B T8 [56.3 B T8]	229 [159]	104 [117]	6,450 [5,350]	510 [714]	15.2 [24.1]	1,720,000 [1,610,000]	NA [NA]	
	8/30/2023	< 5.00 J3 [≤ 5.00 J3]	1.00 C3 [≤ 1.00 C]	7.77 [6.13 J]	92.0 T8 [72.2 B T8]	203 [102]	76.4 [52.7]	5,410 [3,460]	210 [1,580]	11.4 [44.0]	1,440,000 [1,560,000]	NA	
	11/30/2023	< 5.00 [≤ 5.00]	0.799 J [0.783 J]	6.04 [5.56]	70.9 B T8 [67.6 B T8]	156 [149]	56.6 [55.0]	4,110 [3,970]	925 [2,680]	19.8 [52.1]	1,470,000 [1,580,000]	NA [NA]	
	02/06/2024	< 5.00 [≤ 5.00]	0.25 C3 [≤ 1.00 C]	5.78 [≤ 3.00]	51.7 BT8 [≤ 20 T8]	180 [≤ 13.0]	76.6 [≤ 13.0]	5,320 [≤ 10.0]	347 [≤ 100]	17.7 [≤ 10.0]	1,600,000 [$\leq 3,000$]	NA	
	1/13/2016	< 5.0	180	< 10	NA	NA	NA	NA	NA	NA	NA	NA	
	1/13/2016	< 5.0	170	< 10	NA	NA	NA	NA	NA	NA	NA	NA	
	6/21/2016	< 1.0	38	< 2.0	NA	NA	NA	NA	40 J	55 B	NA	NA	298,000 B
	10/25/2016	< 4.0	20	< 8.0	NA	NA	NA	NA	49 J	62	NA	NA	512
	10/25/2016	< 5.0	280 F1	< 10	NA	NA	NA	NA	< 50	56	NA	NA	759
	7/5/2017	< 8.0	250 F1	< 16	130	< 150	< 140	130	1,800	88	25,20,000 ^	NA	
	8/27/2017	< 8.0	72	< 16	110	< 170	< 150	980	6,600	160 B	2,260,000	NA	
	10/11/2017	< 2.0	18	< 4.0	54	< 170	< 150	410	5,500	140 B	23,80,000 ^	NA	
	7/12/2018	< 2.0	< 2.0	< 4.0	15	< 7.5	< 7.0	44	1,100	33 B	94,900	NA	
	10/17/2018	< 1.0	0.23 J	< 3.0	5.7	< 170	< 150	370	610	32	1,08,000 ^	NA	
	5/9/2019	< 1.0	< 1.0	< 2.0	5.0	< 7.5	< 7.0	< 4.0	391	7.7 J	100,000	NA	
	9/13/2019	< 1.0	< 1.0	< 2.0	15.0	< 7.5	< 7.0	< 4.0	2,160	35.6	81,400	NA	
	12/5/2019	< 1.0	< 1.0	< 2.0	26	1.5 J	0.57 J	270	2,090	58.7	366,000	NA	
	2/11/2020	< 1.0	< 1.0	< 2.0	8 B	2.7 J	< 3.0	210 B	1,450	22.2	349,000	NA	

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Trichloro-fluoro-methane (Freon 11)	Volatile Organics		GC Volatiles - RSK-175				Inorganics			Alkalinity, Bicarbonate as CaCO3
			Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	
NYS Class GA Standard		5	2	5	NE	NE	NE	NE	300	300	20,000	NE
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
MW-24-D2 (cont.)	6/9/2020	<5.00	0.269 J	<3.00	<20.0 T8	25.3	<13.0	2,180	380	24.8	471,000	NA
	8/18/2020	<5.00	<1.00	<3.00	<20,000 T8	13.7	<13.0	1,200	436	32.8	518,000	NA
	11/5/2020	<5.00	<1.00	<3.00	<20 J T8	57.4	<13.0	5,720	491	36.4	819,000	NA
	3/19/2021	<5.00	<1.00	<3.00	24.7 T8	44.7	<13.0	4,500	1,960	51.9	1,210,000	NA
	6/1/2021	<5.00	<1.00	<3.00	22.5 T8	24.8	<13.0	1,920	1,480	56.0	1,470,000	NA
	11/16/2021	<5.00	<1.00	0.180 J	<20 JT8	<13.0	<13.0	1,400	556	22.4	453,000	NA
	2/2/2022	<5.00	<1.00	<3.00	22.8 T8	6.08 J	<13.0	350	355	60.2	1,680,000	NA
	5/4/2022	<5.00 C3 J4	<1.00	<3.00	51.2 B T8	27.6	<13.0	2,540	387	65.2	2,200,000	NA
	8/24/2022	<5.00	<1.00 J4	<3.00	89.7 B T8	<13.0	<13.0	267	1,850	61.7	1,870,000	--
	11/29/2022	<5.00	<1.00	<3.00	90.6 B T8	<13.0	<13.0	1,310	830	62.8	2,010,000	NA
	3/10/2023	<5.00	<1.00	<3.00	103,000 B T8	<13.0	<13.0	1,320	828	65.0	2,110,000 V	NA
	5/31/2023	<5.00	<1.00	<3.00	87.2 B T8	<13.0	<13.0	1,180	1,840	65.7	1,870,000	NA
	8/30/2023	<5.00 J3	<1.00 C3	<3.00	110 T8	8.16 J	<13.0	1,460	1,990	62.6	2,020,000	NA
	11/29/2023	<5.00	<1.00	<3.00	74 B T8	5.10 J	<13.0	1,020	1,650	72.2	2,070,000	NA
	02/06/2024	<5.00	<1.00 C3	<3.00	88.6 B T8	8.14 J	<13.0	1,470	1,810	77.5	2,080,000	NA
MW-24-VDR	7/12/2018	< 4.0	< 4.0	< 8.0	89	2.1 J	2.3 J	160	37900	910 B	8,960,000	NA
	10/17/2018	< 1.0	0.55 J	< 3.0	79	< 7.5	< 7.0	120	26,100	740	8,730,000	NA
	5/9/2019	< 1.0	0.40 J	< 2.0	92	< 83	< 77	13 J	25,200	597	6,100,000	NA
	9/13/2019	< 1.0	0.35 J	< 2.0	92	< 7.5	< 7.0	26	8,910	235	2,520,000	NA
	12/5/2019	< 1.0	< 1.0	< 2.0	3.8 J	< 4.0	1.7 J	28	36,500	694	9,030,000	NA
	2/11/2020	< 1.0	< 1.0	< 2.0	85 B	< 4.0	< 3.0	40 B	31,500	523	7,000,000	NA
	6/9/2020	<5.00	<1.00	<3.00	57.7 T8	<13.0	<13.0	77.0	37,100	454	7,320,000	NA
	8/18/2020	<5.00	<1.00	<3.00	75,500 T8	<13.0	<13.0	55.8	44,900	578	8,910,000	NA
	11/5/2020	<5.00	<1.00	<3.00	28.5 T8	<13.0	<13.0	68.1	45,100	588	8,850,000	NA
	3/19/2021	<5.00	<1.00	<3.00	81.7 T8	<13.0	<13.0	87.1	63,900	687	8,250,000	NA
	6/1/2021	<5.00	<1.00	<3.00	45.7 T8	<13.0	<13.0	56.0	53,700	574	8,160,000	NA
	11/16/2021	<5.00	<1.00	<3.00	<20 JT8	<13.0	<13.0	47.1	1,130	7.12 J	47,300	NA
	11/29/2022	<5.00	<1.00	<3.00	<20.0 T8	<13.0	<13.0	27.8	403	6.13 J	178,000	NA
	3/10/2023	<5.00	<1.00	<3.00	<20,000 T8	<13.0	<13.0	<10.0	3,290	25.2	293,000	NA
	5/31/2023	<5.00	<1.00	<3.00	51.5 B T8	<13.0	<13.0	36.6	26,100	369	8,300,000	NA
8/30/2023	<5.00 J3	<1.00 C3	<3.00	<20 T8	<13.0	<13.0	<10.0	5,380	91.1	1,820,000	NA	
11/29/2023	<5.00	<1.00	<3.00	20.4 B T8	<13.0	<13.0	<10.0	14,600	241	5,150,000	NA	
02/06/2024	<5.00	<1.00 C3	<3.00	<20 T8	<13.0	<13.0	<10.0	1,080	10.2	240,000	NA	
MW-26-D1	1/12/2016	< 5.0	16	< 10	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 4.0	20	< 8.0	NA	NA	NA	NA	< 50	35 B	NA	569,000 B
	10/25/2016	< 10	18	< 20	NA	NA	NA	NA	< 50	25	NA	479
	10/25/2016	< 4.0	51	< 8.0	NA	NA	NA	NA	< 50	37	NA	591
	7/5/2017	< 10	28	< 20	120	< 150	< 140	250	230	41	15,70,000 ^	NA
	8/27/2017	< 10	< 10	< 20	95	< 170	< 150	1,200	640	48 B	1,500,000	NA
	10/11/2017	< 2.0	< 2.0	< 4.0	10	< 7.5	< 7.0	10	190	75 B	304,000	NA
	7/13/2018	< 2.0	13	< 4.0	110	< 330	< 310	2,900	320	35 B	1,640,000	NA
	10/17/2018	< 1.0	< 1.0	< 3.0	65 B	< 170	< 150	1,800	280	24 B	1,510,000	NA
	9/13/2019	< 1.0	19	< 2.0	79	< 170	< 150	4,100	93.9 J	19.2	1,400,000	NA
	12/6/2019	< 1.0	12	< 2.0	64	5.3	21	2,400	364	18	1,260,000	NA
	2/11/2020	< 1.0	26	< 2.0	45 H B	4.9	21	1,900 B	1,080	25.6	1,440,000	NA
	6/10/2020	<5.00	79.3	1.74 J	72.0 T8	15.0	65.8	3,260	553	21.4	1,300,000	NA
	8/19/2020	<5.00	39	1.02 J	34,800 T8	7.93 J	23.2	2,030	1,340	31.4	1,370,000	NA
	11/6/2020	<5.00	38.8 C5	0.793 J	58.2 T8	12.7 J	39.2	2,820	554	21.4	1,360,000	NA
	6/2/2021	<5.00	62.4	2.02 J	69.9 T8	31.9	113	3,910	805	28.3	1,320,000	NA
	8/12/2021	<5.00	38.6 C5 J4	1.11 J	46 B T8	25.3	98.1	3,810	544	32.9	1,150,000	NA
	11/16/2021	<5.00	6.74	1.37 J	53 BT8	7.03 J	8.37 J	872	335	17.9	1,320,000	NA
	2/2/2022	<5.00	2.66	1.13 J	53.8 T8	<13.0	<13.0	1,430	152 B	15.9	1,340,000	NA
	5/5/2022	<5.00	4.64	6.03	89.2 B T8	19.8	16.3	4,490	166	25.4	1,340,000	NA
	8/25/2022	<5.00	3.05	5.51	34.6 B T8	34.5	17.2	6,040	181	39.0	1,320,000	NA
	11/29/2022	<5.00	2.12	3.19	53.0 B T8	35.2	<13.0	9,050	510	111	1,270,000	NA
	3/10/2023	<5.00	<1.00	4.18	69,500 B T8	<13.0	<13.0	4,120	502	43.3	1,260,000	NA
	6/1/2023	<5.00 C3	2.21	6.87	88.1 B T8	41.8	<13.0	7,310	1,230	229	1,330,000	NA
	9/1/2023	<5.00 C3	<1.00 C3	6.09	85.4 B T8	21.1	<13.0	5,830	2,950	244	1,030,000	NA
	02/06/2024	<5.00	<1.00 C3	2.81 J	39.5 B T8	4.58 J	<13.0	2,020	589	137	930,000	NA

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Trichloro-fluoro-methane (Freon 11)	Volatile Organics		GC Volatiles - RSK-175				Inorganics			Alkalinity, Bicarbonate as CaCO3
			Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	
NYS Class GA Standard		5	2	5	NE	NE	NE	NE	300	300	20,000	NE
MW-26-D2	Units	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
	1/12/2016	< 5.0	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	1.2	< 2.0	NA	NA	NA	NA	490 B	700 B	NA	344
	10/25/2016	< 2.0	< 2.0	< 4.0	NA	NA	NA	NA	55	63	NA	NA
	10/25/2016	< 2.0	< 2.0	< 4.0	NA	NA	NA	NA	< 50	140	NA	653
	7/5/2017	< 1.0	< 1.0	< 2.0	130	< 7.5	< 7.0	76	970	420	39,30,000 ^	NA
	8/27/2017	< 8.0	< 8.0	< 16	110	< 83	< 77	92	970	310 B	3,370,000	NA
	10/11/2017	< 1.0	< 1.0	< 2.0	55	< 170	< 150	670	1,100	160 B	2,770,000	NA
	10/17/2018	< 1.0	< 1.0	< 3.0	110 B	< 170	< 150	1,100	150	52 B	2,190,000	NA
	5/9/2019	< 1.0	1.5	< 2.0	130	< 660	< 620	750	466	75.2	2,420,000	NA
	9/13/2019	1.0 U	< 1.0	< 2.0	150	< 83	< 77	1,000	207	65.6	2,270,000	NA
	12/6/2019	< 1.0	< 1.0	< 1.0	140	1.1 J	< 3.0	1,300	54.4 J	59.8	2,340,000	NA
	2/11/2020	< 1.0	< 1.0	< 2.0	83 B	0.8 J	< 3.0	710 B	348	88.8	2,500,000	NA
	6/10/2020	< 5.00	< 1.00	0.218 J	57.8 T8	< 13.0	< 13.0	1,340	84.3 J	68.3	2,190,000	NA
	8/19/2020	< 5.00	< 1.00	< 3.00	47.9 T8	< 13.0	< 13.0	360	402	99.5	2,280,000	NA
11/16/2021	< 5.00	< 1.00	< 3.00	< 20 J T8	< 13.0	< 13.0	35	1,310	1,300	2,320,000	NA	
MW-26-VD	1/13/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	74,000 B	2,600 B	NA	61 B
MW-27-D1R	1/13/2016	< 5.0	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 1.0	0.97 J	< 2.0	NA	NA	NA	NA	430	200 B	NA	51,600
	7/5/2017	< 2.0	28	< 4.0	26	< 380	< 350	550	2,800	56	11,30,000 ^	NA
	8/27/2017	< 2.0	110	< 4.0	100	< 170	< 150	1,100	1,300	330 B	960,000	NA
	7/13/2018	< 2.0	88	< 4.0	140	< 660	< 620	3,700	8,200	170 B	1,690,000	NA
	10/18/2018	< 1.0	70	< 3.0	150 B	< 170	< 150	3,900	2,100	61 B	1,770,000	NA
	5/10/2019	< 1.0	17	< 2.0	97	< 83	< 77	1,600	51,600	456	1,900,000	NA
	9/14/2019	< 1.0	25	1.2 J	170	< 330	< 310	1,600	12,800	161	2,090,000	NA
	12/5/2019	1.0 U	61	1.6 J	170	5.5	40	2,600	1,310	51.9	1,920,000	NA
	8/19/2020	< 25.0	33.6	1.12 J	55,300 T8	< 13.0	19.9	1,530	10,600	156	2,710,000	NA
	11/6/2020	< 25.0	26.0 C5	< 15.0	83.4 T8	< 13.0	27.8	2,010	10,900	176	2,140,000	NA
	3/20/2021	< 5.00	26.9	0.593 J	56.6 T8	9.14 J	39.4	3,920	8,780	150	2,160,000	NA
	6/2/2021	< 5.00	45.5	1.05 J	88.9 T8	< 13.0	46.0	2,310	59,600	622	2,230,000	NA
	8/12/2021	< 5.00	23.9	0.820 J	103 T8	6.78 J	42.1	2,260	6,400	138	2,120,000	NA
	11/17/2021	< 5.00	43.7	1.67 J	94.5 B T8	< 13.0	10.7 J	361	684	57.9	2,270,000	NA
2/2/2022	< 5.00	27.1	0.515 J	109 T8	< 13.0	6.14 J	376	3,770	100	2,150,000	NA	
5/5/2022	< 5.00	27.9	0.846 J	80 B T8	6.43 J	34.9	1,540	3,380	94.5	2,230,000	NA	
11/29/2022	< 5.00	< 1.00	< 3.00	93.2 B T8	< 13.0	< 13.0	684	3,650	343	2,510,000	NA	
3/9/2023	< 5.00	11.1	0.489 J	124,000 B T8	< 13.0	20.3	1,340	371	50.1	2,290,000	NA	
5/31/2023	< 5.00	22.2	0.643 J	96.9 B T8	< 13.0	22.5	1,110	79.4 J	46.1	2,160,000	NA	
8/31/2023	< 5.00 C3	15.5 C3	0.829 J	122 B T8	4.99 J	14.3	705	135	48.0	2,120,000	NA	
11/29/2023	< 5.00	< 1.00	< 3.00	86.5 B T8	< 13.0	< 13.0	223	993	54.7	2,120,000	NA	
02/05/2024	< 5.00	< 1.00	< 3.00	75.3 B T8	< 13.0	< 13.0	324	788	49.0	2,010,000	NA	
MW-27-D2	1/13/2016	< 5.0	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 4.0	< 4.0	68	NA	NA	NA	NA	1,300	38 B	NA	940 B
	7/5/2017	< 1.0	< 1.0	< 2.0	130	< 75	< 70	53	12,400	550	26,90,000 ^	NA
	8/27/2017	< 1.0	< 1.0	< 2.0	100	< 83	< 77	180	11,600	1,200 B	31,40,000 ^	NA
	10/12/2017	< 1.0	< 1.0	< 2.0	81	< 170	< 150	350	9,500	1,700 B	44,60,000 ^	NA
	7/13/2018	< 4.0	< 4.0	< 8.0	140	< 330	< 310	1,500	4,600	340 B	2,530,000	NA
	10/18/2018	< 1.0	< 1.0	< 3.0	130 B	< 170	< 150	1,200	2,800	940 B	3,580,000	NA
	5/10/2019	< 1.0	< 1.0	< 2.0	66	< 170	< 150	310	902	197	505,000	NA
	9/14/2019	< 1.0	< 1.0	< 2.0	150	< 170	< 150	1,200	4,080	272	1,120,000	NA

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



Location ID	Date Sampled	Trichloro-fluoro-methane (Freon 11)	Volatile Organics		GC Volatiles - RSK-175				Inorganics			Alkalinity, Bicarbonate as CaCO3
			Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	
NYS Class GA Standard		5	2	5	NE	NE	NE	NE	300	300	20,000	NE
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
MW-27-D2 (cont.)	12/5/2019	< 1.0	< 1.0	< 2.0	150	< 4.0	< 3.0	1,600	1,190	174	1,620,000	NA
	2/12/2020	< 1.0	< 1.0	< 2.0	110 B	< 4.0	< 3.0	910 B	1,920	230	1,940,000	NA
	6/10/2020	<5.00	<1.00	0.181 J	98.7 T8	<13.0	<13.0	1,100	887	97.6	1,880,000	NA
	8/19/2020	<5.00	<1.00	<3.00	75,400 T8	<13.0	<13.0	876	747	199	2,470,000	NA
	11/6/2020	<5.00	<1.00	<3.00	60.9 T8	<13.0	<13.0	408	1,360	996	3,260,000	NA
	3/20/2021	<5.00	<1.00	<3.00	93.9 T8	<13.0	<13.0	907	10,600	1,610	4,090,000	NA
	6/2/2021	<5.00	<1.00	<3.00	56.2 T8	<13.0	<13.0	794	12,700 O1	1,600 O1	4,510,000	NA
	8/12/2021	<5.00	<1.00	<3.00	127 T8	<13.0	<13.0	180	9,250	1,600	4,250,000	NA
	11/17/2021	<5.00	<1.00	<3.00	141 T8	<13.0	<13.0	88.7	5,380	1,280	3,690,000	NA
	2/2/2022	<5.00	<1.00	<3.00	134 T8	<13.0	<13.0	104	12,200	1,680	4,350,000	NA
	5/5/2022	<5.00 C3J4	<1.00	<3.00	85.5 B T8	<13.0	<13.0	411	14,300	1,710	4,710,000	NA
	8/25/2022	<5.00	<1.00	<3.00	60.9 B T8	<13.0	<13.0	412	8,410	1,540	3,560,000	NA
	11/29/2022	<5.00	17.4	0.817 J	47.0 B T8	<13.0	27.6	1,870	431	46.5	2,120,000	NA
	3/9/2023	<5.00	<1.00	<3.00	153,000 T8	<13.0	<13.0	389	9,230	1,560	4,010,000	NA
	5/31/2023	<5.00	<1.00	<3.00	149 T8	<13.0	<13.0	240	2,020	1,170	3,430,000	NA
	8/31/2023	<5.00 C3	<1.00 C3	<3.00	111 T8	<13.0	<13.0	6.85 B J	3,550	928	2,550,000	NA
	11/29/2023	<5.00	<1.00	<3.00	158 T8	<13.0	<13.0	<10.0	13,800	1,550	4,220,000	NA
	02/05/2024	<5.00	<1.00	<3.00	116 B T8	<13.0	<13.0	<10.0	7,760	1,130	3,780,000	NA
MW-28-D1	6/24/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	79	68 B	NA	667,000
	7/28/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	< 1.0	< 1.0	< 2.0	51	< 150	< 140	290	3,600	67	418,000 ^	NA
	8/27/2017	< 4.0	< 4.0	< 8.0	15	< 170	< 150	1,000	740	19 B	10,40,000 ^	NA
	10/11/2017	< 4.0	< 4.0	< 8.0	3.8 J	< 170	< 150	520	950	27 B	998,000	NA
	10/17/2018	< 1.0	< 1.0	2.6 J	8.9 B	< 330	< 310	1,500	980	22 B	386,000	NA
	5/9/2019	< 1.0	< 1.0	0.47 J	120	< 660	< 620	1,300	2,480	89	1,940,000	NA
	9/13/2019	< 1.0	1.0	2.2	160	<170	<150	1,600	511	63.1	1,970,000	NA
	12/5/2019	< 1.0	0.68 J	1.9 J	75	33	15	2,500	169	10.4 J	874,000	NA
	2/11/2020	< 1.0	1.7	3	73 B	25	11	1,800 B	253	49.4	1,160,000	NA
	6/9/2020	<5.00	0.625 J	3.11	26.5 T8	12.2 J	<13.0	1,140	226	47.8	1,360,000	NA
	8/19/2020	<5.00	<1.00	1.02 J	23,000 T8	<13.0	<13.0	361	167	57.7	1,410,000	NA
	11/6/2020	<5.00	<1.00	4.11	73.8 T8	46.5	<13.0	4,740	54.8 J	51.3	1,540,000	NA
	6/2/2021	<5.00	<1.00	1.72 J	35.7 T8	<13.0	<13.0	788	88.9 J	40.0	1,340,000	NA
	8/12/2021	<5.00	<1.00	1.62 J	41.9 B T8	<13.0	<13.0	1,380	101	36.0	867,000	NA
	11/16/2021	<5.00	<1.00	1.75 J	<20 JT8	<13.0	<13.0	249	820	43.1	108,000	NA
	2/2/2022	<5.00	<1.00	<3.00	<20.0 J T8	5.09 J	<13.0	805	240 B	14.3	129,000	NA
	5/5/2022	<5.00 C3 J4	<1.00	1.65 J	41.9 B T8	<13.0	<13.0	277	230	32.5	387,000	NA
	8/25/2022	<5.00	<1.00	<3.00	<20.0 T8	<13.0	<13.0	23.5	958	60.7	335,000	NA
	11/29/2022	<5.00	<1.00	<3.00	37.3 B T8	<13.0	<13.0	1,700	399	75.6	425,000	NA
	3/9/2023	<5.00	<1.00	0.636 J	105,000 B T8	<13.0	<13.0	1,250	530	76.9	1,850,000	NA
	6/1/2023	<5.00 C3	<1.00	0.541 J	118 B T8	<13.0	<13.0	1,640	381	75.8	2,010,000	NA
	8/31/2023	<5.00 C3	<1.00 C3	0.191 J	105 B T8	<13.0	<13.0	977	2,630	200	1,440,000	NA
	11/29/2023	<5.00	<1.00	<3.00	<20 T8	<13.0	<13.0	79.4	288	130	1,510,000	NA
	02/06/2024	<5.00	<1.00 C3	0.361 J	76.5 B T8	<13.0	<13.0	259	454	47.3	588,000	NA
MW-28-D2R	6/24/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	52,800	1,100 B	NA	182
	7/28/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	< 1.0	< 1.0	< 2.0	120	< 7.5	< 7.0	67	6,800	340	38,10,000 ^	NA
	8/27/2017	< 4.0	< 4.0	< 8.0	120	< 83	< 77	62	6,000	500 B	5,340,000	NA
	10/11/2017	< 1.0	< 1.0	< 2.0	91	< 170	< 150	370	9,300	470 F1 B	4,750,000	NA
	7/13/2018	< 4.0	< 4.0	< 8.0	91	< 330	< 310	880	5,200	190 B	3,000,000	NA
	10/17/2018	< 1.0	< 1.0	< 3.0	140 B	< 170	< 150	240	2,200	710 B	4,670,000	NA
	5/9/2019	< 1.0	< 1.0	< 2.0	42	< 330	< 310	730	569	224	2,850,000	NA
	9/13/2019	< 1.0	< 1.0	< 2.0	160	< 7.5	< 7.0	620	450	241	2,700,000	NA
	12/6/2019	< 1.0	< 1.0	< 2.0	160	< 4.0	< 3.0	310	463	989	4,430,000	NA
	2/11/2020	< 1.0	< 1.0	< 2.0	100 B	< 4.0	< 3.0	1,000 B	252	184	1,620,000	NA
	6/9/2020	<5.00	<1.00	<3.00	90.0 T8	<13.0	<13.0	239	5,050	1,730	4,130,000	NA
	8/19/2020	<5.00	<1.00	<3.00	90,300 T8	<13.0	<13.0	212	48,300	855	5,750,000	NA
	11/6/2020	<5.00	<1.00	<3.00	85.8 T8	<13.0	<13.0	618	5,890	370	2,760,000	NA

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Location ID	Date Sampled	Trichloro-fluoro-methane (Freon 11)	Volatile Organics		GC Volatiles - RSK-175				Inorganics			Alkalinity, Bicarbonate as CaCO3
			Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	
NYS Class	GA Standard	5	2	5	NE	NE	NE	NE	300	300	20,000	NE
	Units	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
MW-28-D2R (cont.)	3/20/2021	<5.00	<1.00	<3.00	68 T8	<13.0	<13.0	416	4,220	1,190	5,210,000	NA
	6/2/2021	<5.00	<1.00	<3.00	68.1 T8	<13.0	<13.0	465	7,120	1,290	5,370,000	NA
	8/12/2021	<5.00	<1.00	<3.00	125 T8	<13.0	<13.0	191	7,560	2,180	4,570,000	NA
	11/16/2021	<5.00	<1.00	<3.00	136 T8	<13.0	<13.0	83.7	6,620	2,020	4,550,000	NA
	2/2/2022	<5.00	<1.00	<3.00	153 T8	<13.0	<13.0	<10.0	5,270	2,120	4,370,000	NA
	5/5/2022	<5.00 C3J4	<1.00	<3.00	123 B T8	<13.0	<13.0	666	1,600	244	2,210,000	NA
	8/25/2022	<5.00	<1.00	<3.00	59.6 B T8	<13.0	<13.0	537	1,270	356	2,100,000	NA
	11/29/2022	<5.00	<1.00	<3.00	33.3 B T8	<13.0	<13.0	226	950	137	973,000	NA
	3/9/2023	<5.00	<1.00	<3.00	125,000 T8	<13.0	<13.0	456	258	287	2,390,000	NA
	6/1/2023	<5.00 C3	<1.00	<3.00	40.1 B T8	<13.0	<13.0	434	453	174	1,130,000	NA
	8/31/2023	<5.00 C3	<1.00 C3	<3.00	93.7 T8	<13.0	<13.0	396	191	252	1,890,000	NA
	11/29/2023	<5.00	<1.00	<3.00	115 T8	<13.0	<13.0	<10.0	726	316	2,390,000	NA
	02/06/2024	<5.00	<1.00 C3	<3.00	91.5 B T8	<13.0	<13.0	<10.0	446	366	2,770,000	NA
MW-29-D1	1/14/2016	< 5.0	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 1.0	< 1.0	2	NA	NA	NA	NA	520	270 B	NA	4.3 J
	10/26/2016	< 1.0	< 1.0	9.7	NA	NA	NA	NA	220 B	250 B	NA	540
	10/26/2016	< 1.0	< 1.0	4	NA	NA	NA	NA	< 50	5.2 B	NA	547
	7/5/2017	< 2.0	< 2.0	3.7 J	180	< 300	< 280	680	460	350	9,51,000 ^	NA
	8/27/2017	< 2.0	< 2.0	4.3	150	< 660	< 620	11,000	2,400	150 B	24,70,000 ^	NA
	10/12/2017	< 4.0	< 4.0	4.3 J	140	< 170	< 150	5,200	3,400	300 B	8,93,000 ^	NA
	7/13/2018	< 4.0	< 4.0	5.5 J	180	< 660	< 620	15,000	1,300	340 B	988,000	NA
	10/18/2018	< 1.0	< 1.0	8.1	210 B	< 1700	< 1500	19,000	1,500	270 B	960,000	NA
	5/10/2019	< 1.0	< 1.0	3.3	190	< 83	< 77	9,300 E	1,450	470	839,000	NA
	9/14/2019	< 1.0	< 1.0	< 2.0	40	<170	<150	3,200	4,370	58.4	23,500	NA
	12/6/2019	< 1.0	< 1.0	< 2.0	28	1 J	< 3.0	1,100	673	32.1	75,900	NA
	2/12/2020	< 1.0	< 1.0	< 2.0	15 B	< 4.0	< 3.0	340 B	2,040	131	105,000	NA
	6/10/2020	<5.00	<1.00	<3.00	53.4 T8	5.33 J	<13.0	10,700	741	161	643,000	NA
	8/19/2020	<5.00	<1.00	<3.00	39,600 T8	<13.0	<13.0	6,710	1,360	172	574,000	NA
	11/6/2020	<5.00	<1.00	<3.00	31.7 T8	10.6 J	<13.0	10,700	199	146	460,000	NA
	3/20/2021	<5.00	<1.00	<3.00	30.9 T8	9.15 J	<13.0	6,640	8,750	205	524,000	NA
	6/2/2021	<5.00	<1.00	<3.00	27.3 T8	<13.0	<13.0	660	42,600	484	437,000	NA
	8/12/2021	<5.00	<1.00 J4	<3.00	51.4 B T8	<13.0	<13.0	4,950	5,200	272	446,000	NA
	5/5/2022	<5.00	<1.00	<3.00	73.3 B T8	<13.0	<13.0	5,410	35,100	311	577,000	NA
	11/29/2022	<5.00	<1.00	<3.00	<20.0 T8	<13.0	<13.0	4,660	1,510	12.3	17,400	NA
	3/10/2023	<5.00	<1.00	<3.00	98,000 B T8	<13.0	<13.0	1,800	12,500	152	229,000	NA
	6/1/2023	<5.00 C3	<1.00	<3.00	31.6 B T8	<13.0	<13.0	3,130	3,240	83.8	96,400	NA
	9/1/2023	<5.00 C3	<1.00 C3	<3.00	<20 T8	<13.0	<13.0	161	1,750	52.4	63,800	NA
	11/30/2023	<5.00	<1.00	<3.00	27.2 B T8	<13.0	<13.0	82.0	2,960	41.7	57,400	NA
	02/06/2024	<5.00	<1.00 C3	<3.00	64 B T8	<13.0	<13.0	333	5,590	81.8	142,000	NA
MW-29-D2	1/14/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	64	150 B	NA	430 B
MW-29-VD	1/14/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	390	62 B	NA	229 B
MW-30-D1	1/14/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	360 B	93 B	NA	841 B
MW-30-D2	1/14/2016	< 5.0	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA
	1/14/2016	< 2.0	< 2.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	< 50	110 B	NA	755 B
MW-30-VD	1/14/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	4,900 B	260 B	NA	713 B
MW-31-D1R	1/14/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	230 B	25 B	NA	221 B
MW-31-D2R	1/14/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	2,200 B	430 B	NA	508 B

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



Location ID	Date Sampled	General Chemistry				General Chemistry					
		Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYS Class	GA Standard	NE	250	NE	NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	mg/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-12	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-D1	6/24/2016	5,69,000 B	NA	NA	NA	NA	NA	NA	170,000	11,900	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-D2	6/23/2016	7,32,000 B	NA	NA	NA	NA	NA	NA	250,000	2,600	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-VD	6/23/2016	7,32,000 B	NA	NA	NA	NA	NA	NA	1,860,000	< 100	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-14-D1	6/24/2016	8,86,000 B	NA	NA	NA	NA	NA	NA	103,000	48,000	NA
	7/26/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	7,16,000 B	3,060	4.5	170 HF	< 50	< 0.050	NA	140,000	38,000	13,100 B
	8/27/2017	5,63,000 B	3,130	5.2	< 100	< 50	< 0.050	NA	251,000	56,400	10,600 B
	10/11/2017	563,000	1,860	4.4	< 100	< 50	< 0.050	NA	1,24,000 B	50,400	23,600 B
	7/12/2018	6,23,000 B	2,970	1.5	120 HF	< 50	< 0.050	NA	172,000	50,800	NA
	10/17/2018	673,000	3,620	4.7	260 HF	< 50	< 0.050	NA	1,98,000 B	48,400	NA
	5/10/2019	805,000	3,700	5.8	< 100 HF	80 J	< 0.10	NA	98,000	52,700	45,400 B
	9/13/2019	779,000	3,000	3.1	570 HF	14 J B	< 0.10	NA	240,000	64,600	22,100
	12/5/2019	582,000	2,100	6.9	< 100 HF	< 100	< 0.10	NA	130,000	62,600	21,100
	2/12/2020	386,000	2,400	5	150 HF	17 J H	< 0.1	NA	280,000	64,700	18,400
	6/10/2020	613,000	2,750	0.334 T8	1,470 T8	--	--	< 1,000	219,000	< 50.0	19,200
	8/19/2020	678	2,950	6.97 T8	1,500 T8	NA	NA	< 2,000	131,000	4.16	26,900
	11/4/2020	581,000	3,030	2.71 T8	418 T8	NA	NA	< 100	127,000	458	39,000
	3/19/2021	808,000	3,950	10.1 T8	2,440 T8	NA	NA	< 2,000	112,000	182	20,000 B
	6/2/2021	719,000	3,180	2.53	513 T8	NA	NA	< 2,000	266,000	341	18,900
	8/12/2021	637,000	2,480	2.53	513 T8	NA	NA	< 2,000	266,000	341	18,900
	11/16/2021	674,000	3,010	2.53	513 T8	NA	NA	< 2,000	266,000	341	18,900
	2/2/2022	541,000	3,090	3,840	1,380 T8	NA	NA	< 500	114,000	11,000	34,000
	5/5/2022	409,000	1,900	3,840	1,380 T8	NA	NA	< 500	114,000	11,000	34,000
	8/24/2022	391,000	2,450	0.303	5,100 T8	NA	NA	< 1,000	133,000	63.0 Q	25,900 B
	11/29/2022	669,000	3,450	1.52	574 T8	NA	NA	< 5,000	120,000	12,300	25,600
	3/9/2023	279,000	1,340	0.018 J	654 T8	NA	NA	NA	235,000	3,400	38,800
	5/31/2023	315,000	1,330	0.637	555 T8	NA	NA	< 100	108,000	3,490	46,000
	9/1/2023	375,000	1,600	0.631	377 T8	NA	NA	< 1,000	52,800	4,200	39,200
	11/30/2023	265,000	1,680	3	524 T8	NA	NA	< 5,000	40,700 J	6,720	37,500
	02/05/2024	280,000	1,250	0.669	363 T8	NA	NA	268 J	133,000 J	237	41,700
AMW-14-D2	6/23/2016	7,40,000 B	NA	NA	NA	NA	NA	NA	263,000	22,500	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	4,39,000 B	4,930	< 0.10	< 100	< 50	< 0.050	NA	507,000	4,200	7,800 B
	10/11/2017	830,000	4,070	17.3	< 100	< 50	< 0.050	NA	2,10,000 B	27,200	11,600 B
	7/12/2018	7,85,000 B	4,380	2.5	< 100	< 50	< 0.050	NA	315,000	56,000	NA
	10/17/2018	4,85,000 B	4,510	2.7	< 100	< 50	< 0.050	NA	3,27,000 B	58,800	NA
	5/10/2019	822,000	4,200	< 0.10	1,100 HF	49 J	< 0.10	NA	84,000	71,600	18,500 B
	9/13/2019	823,000	3,400	1.3	550 HF	< 100	0.0092 J B	NA	120,000	60,800	19,200
	12/5/2019	727,000	4,200	6.5	290 HF	< 100	< 0.10	NA	260,000	51,200	18,300
	2/12/2020	810,000	4,500	4.7	850 HF	< 100	< 0.1	NA	310,000	59,700	16,700
	6/10/2020	744,000	4,190	2.71 T8	2,360 T8	NA	NA	< 1,000	270,000	< 50.0	14,500
	8/19/2020	832	4,380	16.9 T8	847 T8	NA	NA	< 2,000	182,000	1.01	16,200
	11/5/2020	692,000	4,330	2.96 T8	322 T8	NA	NA	< 100	176,000	8,060	16,800
	3/19/2021	750,000	5,310	27.4 T8	904 T8	--	--	< 2,000	321,000	79	15,300
	6/2/2021	473,000	3,020	4.02	563 T8	NA	NA	< 2,000	272,000	1,180	2,990 B

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Location ID	Date Sampled	General Chemistry				General Chemistry					
		Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYS Class	GA Standard	NE	250	NE	NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	mg/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-14-D2 (cont.)	8/12/2021	841,000	4,350	4.02	563 T8	NA	NA	<2,000	272,000	1,180	2,990 B
	11/16/2021	810,000	4,100	4.02	563 T8	NA	NA	<2,000	272,000	1,180	2,990 B
	2/2/2022	816,000	4,690	<100	4,620 T8	NA	NA	<2,000	221,000	4,040	15,700
	5/5/2022	605,000	3,460	<100	4,620 T8	NA	NA	<2,000	221,000	4,040	15,700
	8/24/2022	761,000	4,190	<0.1	3,120 T8	NA	NA	<1,000	157,000	<50.0 Q	15,200 B
	11/29/2022	308,000	1,680	4.49	372 T8	NA	NA	515	111,000	1,280	13,300 B
	3/9/2023	595,000	2,860	0.309	448 T8	NA	NA	<500	154,000	219,000	14,700
	05/31/2023	764,000	3,780	0.239	102 T8	NA	NA	<100	190,000	1,650	13,000
	9/1/2023	768,000	3,900	<0.05	572 T8	NA	NA	550	128,000 J	24,500	13,000
	11/30/2023	843,000	3,800	<0.50	1,790 T8	NA	NA	<100	126,000	147	15,300
	02/06/2024	812,000	3,370	<0.05	904 T8	NA	NA	<500	102,000	3,860	16,400
AMW-14-VD	9/1/2023	427,000	NA	NA	NA	NA	NA	NA	1,780,000	< 100	NA
	9/1/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/1/2023	4,40,000 B	15,200	11.3	< 100	< 50	< 0.050	NA	1,830,000	800 J	3,400 B
	9/1/2023	4,15,000 B	15,400	12.3	4,700 HF	< 50	< 0.050	NA	2,000,000	< 1,000	4,000 B
	9/1/2023	454,000	16,200	14.8	1,600 HF	< 50	< 0.050	NA	1,890,000	800 J	4,500 B
	9/1/2023	4,72,000 B	19,400	18.4	< 100	< 50	< 0.050	NA	1,870,000	5,200 F1	NA
	9/1/2023	4,09,000 B	16,300	18.5	< 100	< 50	< 0.050	NA	19,20,000 B	< 1,000	NA
	9/1/2023	493,000	110,000	14.4	300 HF	94 J	0.076 J	NA	2,000,000	<1,000	18,300 B
	9/1/2023	493,000	14,000	13.8	1,400 HF	35 J B	0.027 J B	NA	1,700,000	830 J	8,500
	9/1/2023	493,000	17,000	18.7	130 HF	< 100	0.020 J B	NA	2,800,000	1,200	9,300
	9/1/2023	495,000	15,000	12.1	680 HF	21 J B	0.019 J B	NA	2,000,000	< 1.0	7,900
	9/1/2023	528,000	18,000	<0.100 T8	17,800 T8	NA	NA	<100	1,920,000	<50.0	7,270
	9/1/2023	527	17,000	1.82 T8	14,900 T8	NA	NA	<100	1,850,000	<0.05	8,160
	9/1/2023	501,000	17,200	<0.1 T8	18,000 T8	NA	NA	<100	2,250,000	117	7,270
	9/1/2023	522,000	17,300	0.969 T8	17,600 T8	NA	NA	82.0 J	1,960,000	<50	8,300
	9/1/2023	542,000	16,100	0.404	18,500 T8	NA	NA	56.4 J	1,790,000	<50 J6	7,340 B
	9/1/2023	540,000	16,700	0.404	18,500 T8	NA	NA	56.4 J	1,790,000	<50 J6	7,340 B
	9/1/2023	448,000	13,500	0.404	18,500 T8	NA	NA	56.4 J	1,790,000	<50 J6	7,340 B
	9/1/2023	518,000	16,100	<100	20,600 T8	NA	NA	<500	1,880,000	<50	7,000
	9/1/2023	497,000	15,400	<100	20,600 T8	NA	NA	<500	1,880,000	<50	7,000
	9/1/2023	556,000	15,900	0.0393 J	18,500 T8	NA	NA	<100	1,800,000	<50.0 Q	8,010
	9/1/2023	529,000	14,700	<0.10	17,700 T8	NA	NA	<100	1,680,000	<50.0	8,800
	9/1/2023	609,000	15,800	<0.1	20,200 T8	NA	NA	<100	1,790,000	<50.0	7,770
	09/01/2023	580,000	15,600	<0.1	21,900 T8	NA	NA	<100	1,720,000	<50.0	7,910
	9/1/2023	607,000	16,600	<0.1	16,900 T8	NA	NA	<100	1,700,000	<50.0	30,500
	11/30/2023	617,000	15,100	<0.1	23,200 T8	NA	NA	<100	1,520,000	<50.0	8,740
	02/05/2024	621,000	14,800	1.62	17,800 T8	NA	NA	<100	1,510,000	<50.0	8,410
AMW-15-D1	6/23/2016	602,000	NA	NA	NA	NA	NA	NA	166,000	20,500	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/26/2016	130,000	NA	NA	NA	NA	NA	NA	63,100	8,000	NA
	10/26/2016	528,000	NA	NA	NA	NA	NA	NA	164,000	36,000	NA
	7/5/2017	597,000	73	2.1	< 100	< 50	< 0.050	NA	1,640,000	42,000	9,400 B
	8/27/2017	4,71,000 B	2,480	12.4	< 500	< 50	< 0.050	NA	156,000	53,200	53,400 B
	10/11/2017	641,000	2,760	6.9	< 200	< 50	< 0.050	NA	1,89,000 B	41,600	36,200 B
	10/17/2018	442,000	1,910	3.8	120 HF	79	< 0.050	NA	188,000	56,000	NA
	5/9/2019	422,000	2,500	3.3	<100 HF	430 J	0.38 J	NA	200,000	41,400	36,800 B
	9/13/2019	254,000	1,700	1.5	2,200 HF	< 100	0.029 J	NA	380,000	31,100	38,500
	12/5/2019	424,000	2,000	3.2	340 HF	< 100	< 0.10	NA	180,000	30,700	40,800
	2/11/2020	206,000	1,800	3.3	1,400 HF	17 J H	0.017 J H	NA	380,000	11,500	26,300
	6/10/2020	393,000	2,010	<0.050 T8	662 T8	NA	NA	<1,000	331,000	51.0	31,800
	8/19/2020	442	1,990	0.836 T8	481 T8	NA	NA	<10000	202,000	25.6	40,600
	11/4/2020	425,000	2,250	0.142 T8	658 T8	NA	NA	<100	138,000	514	32,100
	3/19/2021	598,000	2,590	13.4 T8	324 T8	NA	NA	<2,000	115,000	1,630	27,400
	6/2/2021	466,000	2,050	<0.100	20,100 T8	NA	NA	<2,000	290,000	1,380 Q	31,900
	11/16/2021	494,000	2,140	<0.100	20,100 T8	NA	NA	<2,000	290,000	1,380 Q	31,900

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		Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYS Class	GA Standard	NE	250	NE	NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	mg/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D1 (cont.)	2/1/2022	496,000	2,260	767	381 T8	NA	NA	<1,000	117,000	236 J4	30,300
	5/5/2022	514,000	2,460	767	381 T8	NA	NA	<1,000	117,000	236 J4	30,300
	8/24/2022	273,000	1,070	0.749	925 T8	NA	NA	<1,000	52,100	<50.0 Q	18,600 B
	11/28/2022	588,000	2,320	0.126 T8	304 T8	NA	NA	<5,000	143,000	<50.0	28,000
	3/10/2023	649,000	2,630	0.438	297 T8	NA	NA	<1,000	111,000	19,700	4,570
	06/01/2023	581,000	2,370	<0.05	94.0 T8	NA	NA	<100	131,000	17,400	22,800
	8/31/2023	485,000	2,260	<0.05	139 T8	NA	NA	<100	160,000	35,100	25,800
	11/30/2023	477,000	2,310	0.934	1,320 T8	NA	NA	269 J	154,000	79.0	12,000
	02/05/2024	522,000	1,950	0.235	257 T8	NA	NA	230	107,000 J	917	19,100
	6/23/2016	1,81,000 B	NA	NA	NA	NA	NA	NA	166,000	1,800	NA
AMW-15-D2	6/23/2016	185,000	NA	NA	NA	NA	NA	NA	165,000	1,900 F1	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/26/2016	99,900	NA	NA	NA	NA	NA	NA	243,000	12,800	NA
	10/26/2016	600,000	NA	NA	NA	NA	NA	NA	216,000	36,000	NA
	7/5/2017	687,000	3,700	0.53	170 HF	< 50	< 0.050	NA	269,000	34,000	10,300 B
	8/27/2017	6,73,000 B	3,650	3.5	< 100	< 50	< 0.050	NA	237,000	58,000	10,900 B
	10/11/2017	811,000	3,710 F1	4.5	< 100	< 50	< 0.050	NA	2,54,000 B	45,200	9,800 B
	10/17/2018	461,000	3,790	0.75	< 100	< 50	< 0.050	NA	2,62,000 B	48,000	NA
	5/10/2019	672,000	4,200	0.24	85 J HF	47 J	0.0070 J	NA	220,000	50,800	14,200 B
	9/13/2019	649,000	3,800	0.35	140 HF	< 100	< 0.10	NA	330,000	55,100	14,800
	12/5/2019	636,000	4,000	0.46	280 HF	< 100	< 0.10	NA	280,000	58,800	15,800
	2/11/2020	651,000	4,200	0.79	190 HF	< 100	< 0.10	NA	380,000	54,600	13,700
	6/9/2020	610,000	3,750	<0.050 T8	1,460 T8	NA	NA	<1,000	301,000	186	12,000
	8/19/2020	413	2,410	5.04 T8	5,440 T8	NA	NA	<2000	166,000	0.214	12,300
	11/4/2020	540,000	4,150	0.29 T8	673 T8	NA	NA	<100	263,000	58	13,300
	3/19/2021	590,000	3,500	5.62 T8	9,200 T8	NA	NA	<2,000	256,000	98	12,700
	6/2/2021	313,000	935	4.01	6,060 T8	NA	NA	<2,000	51,000	221	10,600
	8/12/2021	578,000	3,140	4.01	6,060 T8	NA	NA	<2,000	51,000	221	10,600
	11/16/2021	490,000	2,990	4.01	6,060 T8	NA	NA	<2,000	51,000	221	10,600
	2/1/2022	616,000	3,510	974	479 T8	NA	NA	<1,000	201,000	1,070,000 J4	9,600
	5/4/2022	274,000	2,370	974	479 T8	NA	NA	<1,000	201,000	1,070,000 J4	9,600
	8/24/2022	581,000	3,610	3.36	1,200 T8	NA	NA	<1,000	282,000	<50.0 Q	10,600 B
	11/29/2022	574,000	2,820	<0.05 T8	907 T8	NA	NA	<5,000	244,000	107	11,800 B
	3/10/2023	631,000	3,130	0.934	473 T8	NA	NA	<500	216,000	<50.0	10,800
	6/1/2023	618,000	3,580	<0.05	486 T8	NA	NA	<200	291,000	3,270	12,900
	8/31/2023	376,000	1,660	<0.05	1,730 T8	NA	NA	<100	112,000	<50.0	9,170
	11/30/2023	37,700	46	3	1,300 T8	NA	NA	<100	14,000	34.0 J	1,220 B
	02/05/2024	421,000	1,800	<0.05	2,180 T8	NA	NA	95.0 J	95,500	<50.0	9,470
AMW-15-D3	6/23/2016	6,17,000 B	NA	NA	NA	NA	NA	NA	1,790,000	NA	NA
	6/23/2016	12,200 B	NA	NA	NA	NA	NA	NA	784,000	NA	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2017	4,08,000 B	4,230	2.3	< 500	< 50	< 0.050	NA	495,000	16,400	34,300 B
	10/11/2017	508,000	7,530	0.45	< 100	< 50	< 0.050	NA	897,000 B	39,200	7,200 B
	7/13/2018	5,18,000 B	4,670	3.1	< 100	< 50	< 0.050	NA	482,000	22,800	NA
	10/17/2018	108,000	7,380	0.26	< 100	< 50	< 0.050	NA	916,000	35,600	NA
	5/10/2019	616,000	8,800	0.30	< 100	42 J	0.056 J	NA	980,000	41,400	14,400 B
	9/13/2019	646,000	4,400	0.40	210 HF	< 100	< 0.10	NA	300,000	55,100	11,000
	12/5/2019	594,000	5,300	0.35	< 100	< 100	< 0.10	NA	470,000	58,800	12,300
	2/11/2020	626,000	2,600	3.10	470 HF	< 500 H	< 0.5 H	NA	290,000	23,200	13,700
	6/9/2020	676,000	4,630	0.605 T8	526 T8	NA	NA	<1,000	534,000	<50.0	13,700
	8/19/2020	479	8,160	2.8 T8	229 T8	NA	NA	<500	919,000	6.8	20,100
	11/4/2020	649,000	4,790	0.447 T8	348 T8	NA	NA	<100	337,000	1,050	13,500
	3/19/2021	310,000	3,000	<0.100 T8	5,440 T8	NA	NA	<500	275,000	27.0 J	8,250
	6/1/2021	493,000	683	<0.100	18,000 T8	NA	NA	<500	50,500	56.0 Q	13,900
	8/12/2021	567,000	639	<0.100	18,000 T8	NA	NA	<500	50,500	56.0 Q	13,900
	11/16/2021	350,000	621	<0.100	18,000 T8	NA	NA	<500	50,500	56.0 Q	13,900

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



Location ID	Date Sampled	General Chemistry				General Chemistry					
		Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYS Class	GA Standard	NE	250	NE	NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	mg/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3 (cont.)	2/1/2022	236,000	2,480	374	66.0 T8	NA	NA	628 J	182,000	970 J4	9,330
	5/5/2022	522,000	646	374	66.0 T8	NA	NA	628 J	182,000	970 J4	9,330
	11/28/2022	450,000	6,090	<0.10 T8	2,150 T8	NA	NA	<5,000	660,000	<50.0	7,820 B
	3/9/2023	432,000	7,220	0.297	1,920 T8	NA	NA	<500	971,000	28.0 J	13,600
	6/1/2023	391,000	6,240	0.757	987 T8	NA	NA	<200	782,000	96.0	6,570
	8/31/2023	56,000	207	0.579	180 T8	NA	NA	793	18,700	<50.0	2,750
	11/30/2023	604,000	5,970	<0.1	9,660 T8	NA	NA	<100	641,000	26.0 J	7,540
	02/05/2024	32,500	78.3	0.83	<50.0 T8	NA	NA	102	1,840 J	<50.0	533 B J
	6/23/2016	303,000	NA	NA	NA	NA	NA	NA	1,810,000	< 100	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-15-VD	8/27/2017	135,000 B	16,100	11.5	280 HF	< 50	< 0.050	NA	2,140,000	< 1,000	3,500 B
	10/11/2017	329,000	16,000	11.7	< 100	< 50	< 0.050	NA	20,70,000 B	< 1,000	3,400 B
	7/13/2018	3,57,000 B	19,200	10.6	< 100	< 50	< 0.050	NA	1,890,000	800 J	NA
	10/17/2018	271,000	13,200	10.7	< 100	< 50	< 0.050	NA	15,30,000 B	< 1,000	NA
	5/10/2019	432,000	18,000	3.6	< 100*	< 100	0.035 J	NA	2,000,000	<1000	6,800 B
	9/13/2019	429,000	16,000	7.2	500 HF	< 100	0.011 J	NA	1,800,000	<1,000	6,900
	12/5/2019	478,000	17,000	5	130 HF	< 100 U F1	0.019 JB	NA	2,800,000	<1,000	7,700
	2/11/2020	468,000	15,000	1.5	370 HF	< 500 H	< 0.5 H	NA	2,000,000	< 1.0	6,500
	6/9/2020	517,000	18,000	<0.100 T8	6,390 T8	NA	NA	<100	1,990,000	<50.0	6,450 B
	8/19/2020	509	17,000	<0.1 T8	52,800 T8	NA	NA	<500	1,970,000	<0.05	7,560
	11/4/2020	523,000	17,300	<0.1 T8	4,880 T8	NA	NA	<100	2,270,000	144	8,040 B
	3/19/2021	523,000	17,300	5.31 T8	4,850 T8	NA	NA	<2,000	1,990,000	<50	8,970
	6/2/2021	238,000	6,130	0.556	107 T8	NA	NA	<100	630,000	<50	4,140 B J
	8/12/2021	529,000	16,500	0.556	107 T8	NA	NA	<100	630,000	<50	4,140 B J
	11/16/2021	507,000	16,700	0.556	107 T8	NA	NA	<100	630,000	<50	4,140 B J
	2/1/2022	598,000	16,800	1,150	5,840 T8	NA	NA	<100	1,940,000	<64 J4	6,400
	5/5/2022	553,000	16,700	1,150	5,840 T8	NA	NA	<100	1,940,000	<64 J4	6,400
	8/24/2022	668,000	17,500	<0.1	15,100 T8	NA	NA	204	2,030,000	<50.0 Q	7,510 B
	11/28/2022	494,000	11,900	4.06 T8	4,010 T8	NA	NA	135	1,260,000	<50.0	7,410
	3/10/2023	708,000	16,400	3.08	2,400 T8	NA	NA	<100	1,780,000	<50.0	5,900
	6/1/2023	664,000	16,400	2.510	6,040 T8	NA	NA	<100	1,880,000	<50.0	7,850
	8/31/2023	349,000	906	<0.05	1,140 T8	NA	NA	71.5 J	73,900	100	21,800
	11/30/2023	40,000	119 J6	3	183 T8	NA	NA	67.5 J	9,960	<50.0	2,340 B
	02/05/2024	171,000	738	0.908	906 T8	NA	NA	<100	125,000 J	35.0 J	13,900
AMW-3	1/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	351,000	NA	NA	NA	NA	NA	NA	970,000	5,300	NA
AMW-7R	1/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	1,99,000 B	NA	NA	NA	NA	NA	NA	82,300	5,200	NA
	7/11/2018	8,81,000 B	253	19.7	320 HF	< 50	< 0.050	NA	41,900	3,800	NA
	10/17/2018	997,000	192	12.5	< 100	< 50	< 0.050	NA	22,600 B	1,600	NA
	5/10/2019	558,000	120 F1	8.1	< 100 HF	< 100	0.023 J	NA	82,000 F1	<1000	19,800
	9/14/2019	651,000	62	6	840 HF	<100	0.015 J B	NA	49,000	1,200	20,800
	12/6/2019	462,000	80	4.7	100 HF	25 J B	0.017 J	NA	84,000	1,900	88,400
	2/12/2020	597,000	85	23.2	1700 HF	23 J B	0.02 J B	NA	75,000	10,400	19,800
	6/9/2020	516,000	100	4.63 T8	11,300 T8	NA	NA	<100	68,600	<50.0	20,500
	8/19/2020	656	86.6	83.6 T8	11200 T8	NA	NA	<500	96,200	0.062	28,900
	11/6/2020	723,000	78.2	17.2 T8	16,000 T8	NA	NA	<100	37,600	<50	23,500
	3/19/2021	615,000	547	23.4 T8	12,100 T8	NA	NA	<100	115,000	<50	24,300
	6/2/2021	514,000	262	<0.100	26,600 T8	NA	NA	<100 J6	62,200	55.0	20,600
	8/12/2021	708,000	181	<0.100	26,600 T8	NA	NA	<100 J6	62,200	55.0	20,600
	11/16/2021	640,000	77	<0.100	26,600 T8	NA	NA	<100 J6	62,200	55.0	20,600
	5/5/2022	457,000	137	<0.100	26,600 T8	NA	NA	<100 J6	62,200	55.0	20,600
	11/29/2022	533,000	128	<0.10	20,300 T8	NA	NA	<500	47,500	<50.0	23,500
	3/10/2023	370,000	126	<0.1	8,590 T8	NA	NA	<500	57,200	<50.0	21,400
	6/1/2023	516,000	75.7	1.840	2,430 T8	NA	NA	172	163,000	<50.0	13,400
	8/31/2023	681,000	74.6	<0.1	7,700 T8	NA	NA	<100	62,900	<50.0	17,300
	11/30/2023	264,000	115	<0.1	5,310 T8	NA	NA	61.3 J	46,100	63.0	23,400
	02/06/2024	534,000	94.5	<0.1	6,080 T8	NA	NA	<100	35,700	<50.0	18,600
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

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		Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYS Class	GA Standard	NE	250	NE	NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	mg/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
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	5,15,000 B	NA	NA	NA	NA	NA	NA	27,800	< 100	NA
	7/11/2018	1,84,000 B	367	1.3	110 HF	< 50	< 0.050	NA	120,000	12,200	NA
	10/17/2018	365,000	259	0.45	< 100	< 50	< 0.050	NA	20,000 B	11,600	NA
	9/14/2019	386,000	480	8.2	3,500 HF	<100	0.024 J B	NA	86,000	14,800	95,400
	12/5/2019	225,000	400	2.8	0.28 HF	30 JB	0.029 J	NA	74,000	15,900	123,000
	2/12/2020	24,400	77	9.6	150 H F	160 B	0.053 J B	NA	14,000	910 J	55,000
	6/9/2020	101,000	269	<0.100 T8	5,360 T8	NA	NA	<1,000	87,100	70.0	57,700
	3/19/2021	131,000	223	0.907 T8	547 T8	NA	NA	<2,000	48,700	55.0	61,100
	6/2/2021	83,300	835	0.106	1,170 T8	NA	NA	<100	36,700	38.0 J	29,200
	8/12/2021	206,000	1,340	0.106	1,170 T8	NA	NA	<100	36,700	38.0 J	29,200
	11/16/2021	199,000	853	0.106	1,170 T8	NA	NA	<100	36,700	38.0 J	29,200
	2/2/2022	--	--	--	--	NA	NA	<500	--	--	--
	5/5/2022	142,000	289	--	--	NA	NA	<500	--	--	--
	8/25/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/29/2022	231,000	634	NA	NA	NA	NA	<500	90,200	NA	NA
	3/9/2023	245,000	213	NA	NA	NA	NA	NA	68,600	NA	12,200
	5/31/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/31/2023	368,000	204	<0.1	4,040 T8	NA	NA	<500	91,600	<50.0	46,800
	11/30/2023	193,000	70	<0.1	3,560 T8	NA	NA	<500	71,100	477	47,800
	02/06/2024	225,000	137	0.972	1,350 T8	NA	NA	69.0 J	63,400	65.0	30,300
MW-23-D1R	10/26/2016	555,000	NA	NA	NA	NA	NA	NA	148,000	6,400	NA
	10/26/2016	525,000	NA	NA	NA	NA	NA	NA	156,000	13,600	NA
	1/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/20/2016	485,000	NA	NA	NA	NA	NA	NA	180,000	16,900 F1	NA
	7/5/2017	500,000	1,970	17.1	< 100	< 50	< 0.050	NA	259,000	8,400	16,100 B
	8/27/2017	5,12,000 B	2,190	31.9	2,000 HF	23 J H	< 0.050	NA	173,000	15,400	17,300 B
	10/12/2017	562,000	2,270	3.8	< 100	< 50	< 0.050	NA	1,78,000 B	26,800	15,400 B
	7/12/2018	4,95,000 B	2,250	4	260 HF	< 50	< 0.050	NA	149,000	28,800	NA
	10/17/2018	360,000	2,260	1.9	< 100	< 50	< 0.050	NA	177,000	25,200	NA
	9/13/2019	467,000	2,000	1.1	330 HF	26 J B	0.017 J B	NA	190,000	10,300	20,800
	12/5/2019	309,000	1,300	1.8	260 HF	37 JB	0.018 J	NA	130,000	3,500	22,300
	2/11/2020	173,000	730	2.5	120 HF	99 J H	0.018 J H	NA	130,000	8,800	7,500
	6/10/2020	320,000	1,690	<0.050 T8	1,460 T8	NA	NA	<1,000	213,000	39.0 J	18,200
	8/19/2020	543	2,340	1.44 T8	4,880 T8	NA	NA	<2,000	111,000	<0.05	21,600
	11/5/2020	401,000	2,030	<0.1 T8	3,600 T8	NA	NA	405	121,000	<50	20,200
	3/19/2021	469,000	2,470	103 T8	2,600 T8	NA	NA	275	234,000	414 J6	15,200
	6/2/2021	583,000	2,310	2.22	3,620 T8	NA	NA	<100	179,000	27.0 J	15,000
	8/12/2021	516,000	2,330	2.22	3,620 T8	NA	NA	<100	179,000	27.0 J	15,000
	11/16/2021	275,000	1,390	2.22	3,620 T8	NA	NA	<100	179,000	27.0 J	15,000
	2/2/2022	357,000	1,920	10,200	1,180 T8	NA	NA	<1,000	118,000	62.7 J J4	15,200
	5/5/2022	448,000	2,810	10,200	1,180 T8	NA	NA	<1,000	118,000	62.7 J J4	15,200
	8/25/2022	348,000	2,350	<0.1	4,800 T8	NA	NA	<1,000	183,000	<50.0 Q	16,100
	11/29/2022	101,000	43.3	0.689	1,040 T8	NA	NA	1,970	23,600	<50.0	4,960 B
	3/9/2023	558,000	2,670	4.82	823 T8	NA	NA	<1,000	213,000	204	7,150
	6/1/2023	215,000	1,130	0.053	373 T8	NA	NA	58.2 J	154,000	27.0 J	15,700
	8/31/2023	556,000	2,650	<0.05	928 T8	NA	NA	<1,000	107,000 J	16,100	18,100
	02/06/2024	602,000	2,830	0.060	621 T8	NA	NA	266 J	99,900	46.0 J	15,200
MW-23-D2R	1/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/20/2016	543,000	NA	NA	NA	NA	NA	NA	317,000	700	NA
	7/5/2017	520,000	5,260	4.2	170 HF	< 50	< 0.050	NA	861,000	29,600	5,200 B
	8/27/2017	4,34,000 B	5,420	1.8	< 100	37 J H	< 0.050	NA	665,000	36,200	6,100 B
	10/12/2017	654,000	4,460	2.8	< 100	< 50	< 0.050	NA	4,78,000 B	20,000	9,700 B
	7/12/2018	587,000	3,800	1.4	240 HF	38 J	0.0045 J	NA	290,000	10,900	20,700 B
	5/9/2019	587,000	3,800	1.4	240 HF	38 J	0.0045 J	NA	290,000	10,900	20,700 B

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Location ID	Date Sampled	General Chemistry					General Chemistry				
		Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
		NE	250	NE	NE	10,000	1	10,000	NE	NE	NE
NYS Class	GA Standard	Units	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	9/13/2019	415,000	2,500	21.6	4,100 HF	17 J B	0.025 J B	NA	160,000	34,100	17,100
	12/5/2019	349,000	2,400	26.1	< 100	69 JB	0.051 J	NA	160,000	3,800	18,900
	8/19/2020	505	3,710	43.4 T8	2,780 T8	NA	NA	<500	229,000	0.092	12,700
	11/5/2020	398,000	3,730	6.28 T8	6,430 T8	NA	NA	<100	202,000	<50	11,700
	3/18/2021	667,000	4,360	7.82 T8	1,120 T8	NA	NA	<2,000	336,000	86	11,600
	6/2/2021	540,000	3,500	0.293	1,220 T8	NA	NA	<2,000	318,000	<50	9,780
	8/12/2021	376,000	3,250	0.293	1,220 T8	NA	NA	<2,000	318,000	<50	9,780
	11/16/2021	600,000	3,710	0.293	1,220 T8	NA	NA	<2,000	318,000	<50	9,780
	2/2/2022	529,000	3,630	627	326 J5T8	NA	NA	<1,000	232,000	19,000 J4	8,750
	5/5/2022	448,000	3,520	627	326 J5T8	NA	NA	<1,000	232,000	19,000 J4	8,750
	8/25/2022	391,000	2,500	0.751	1,780 T8	NA	NA	<100	151,000	<50.0 Q	7,050
	11/29/2022	494,000	3,210	NA	NA	NA	NA	<500	206,000	NA	8,510
	3/9/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,220
	6/1/2023	214,000	1,000	1.200	1,550 T8	NA	NA	81.5 J	75,600	<50.0	7,490
	8/31/2023	271,000	1,680	<0.05	1,590 T8	NA	NA	<100	95,000	<50.0	8,080
	11/30/2023	274,000	487	3	413 T8	NA	NA	438	33,500	<50.0	5,880
	02/06/2024	414,000	1,770	1.76	1,030 T8	NA	NA	97.0 J	111,000	<50.0	5,580
MW-24-D1R	1/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	6,42,000 B	NA	NA	NA	NA	NA	NA	189,000	79,300	NA
	10/26/2016	526,000	NA	NA	NA	NA	NA	NA	217,000	64,000 F1	NA
	10/26/2016	324,000	NA	NA	NA	NA	NA	NA	248,000	60,000	NA
	10/26/2016	577,000	NA	NA	NA	NA	NA	NA	219,000	56,000	NA
	7/12/2018	8,75,000 B	4,220	10.1	< 100	< 50	< 0.050	NA	200,000	66,400	NA
	10/16/2018	583,000	2,370	2.9	< 100	< 50	< 0.050	NA	75,300	56,400	NA
	5/9/2019	572,000	3,900	3.3	860 HF	63 J	0.014 J	NA	250,000	41,400	15,400 B
	9/13/2019	4,11,000	1,800 [3,000]	1.9 [3.5]	230 HF	<100 [<100]	0.015 J	NA	3,20,000 [2,00,000]	29,200 [75,900]	36,100 [34,900]
	12/5/2019	3,01,000	1,900 [2,000]	1.3 [1.3]	290 HF	150 B [< 100]	0.17 B	NA	3,50,000 [1,30,000]	22,400 [92,800]	50,900 [25,900]
	2/11/2020	3,78,000 [5,30,000]	2,300 [2,500]	0.2 [0.26]	< 100 [170 H F]	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	6,03,000 [6,05,000]	2,910 [3,200]	1.02 T8 [1.67 T8]	270 T8 [669 T8]	NA	NA	<1,000 [<1,000]	2,16,000 [2,73,000]	129 [<50.0]	31,100 [21,600]
	8/19/2020	423 [485]	2,360 [2,390]	0.454 T8 [0.576 T8]	220 T8 [243 T8]	NA	NA	<10,000 [<2,000]	2,04,000 [1,61,000]	0.58 [1.53]	36,000 [29,600]
	11/5/2020	290,000 [287,000]	2,380 [2,310]	0.302 T8 [0.247 T8]	184 T8 [384 T8]	NA	NA	<100 [<100]	189,000 [248,000]	160 [<50]	36,700 [35,000]
	3/19/2021	461,000 [523,000]	2,640 [2,750]	0.159 T8 [3.73 T8]	256 T8 [345 T8]	NA	NA	<2,000 [<2,000]	191,000 [165,000]	77.0 [193]	36,300 [37,800]
	6/1/2021	475,000 [586,000]	2,730 [2,840]	<0.050 [1.560]	905 T8 [1,000 T8]	NA	NA	<2,000 [<100]	372,000 [310,000]	784 Q [230 Q]	35,600 [24,100]
	11/16/2021	413,000 [313,000]	2,300 [2,500]	<0.050 [1.560]	905 T8 [1,000 T8]	NA	NA	<2,000 [<100]	372,000 [310,000]	784 Q [230 Q]	35,600 [24,100]
	2/2/2022	298,000 [359,000]	2,350 [2,350]	522 [998]	1,750 T8 [5,500 T8]	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	522,000 [488,000]	2,610 [2,720]	522 [998]	1,750 T8 [5,500 T8]	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	326,000 [392,000]	2,420 [2,660]	2.60 [0.758]	1,890 T8 [7,050 T8]	NA	NA	<1,000 [<1,000]	267,000 [160,000]	<50.0 Q [<50.0 Q]	29,600 B [<1,000]
	11/29/2022	415,000 [375,000]	1,960 [2,040]	0.287 T8 [0.790 T8]	3,130 T8 [4,660 T8]	NA	NA	<5,000 [<5,000]	290,000 [357,000]	56.0 [<50.0]	26,200 [32,100]
	3/10/2023	563,000 [519,000]	2,560 [2,550]	2.08 [8.47]	692 T8 [458 T8]	NA	NA	<1,000 [<1,000]	154,000 [166,000]	6,210 [5,440]	6,530 [30,200]
	5/31/2023	518,000 [556,000]	2,300 [2,460]	0.261 [0.218]	249 T8 [496 T8]	NA [NA]	NA [NA]	<100 [<100]	185,000 [151,000]	<50.0 [7,970]	31,400 [32,000]
	8/30/2023	361,000 [575,000]	2,430 [2,730]	<0.1 [1.02]	3,860 T8 [562 T8]	NA	NA	<100 [<500]	284,000 [144,000]	31,200 [36,800]	35,200 [34,200]
	11/30/2023	360,000 [490, 000]	2,420 [2,560]	0.585 [1.06]	340 T8 [1,630 T8]	NA [NA]	NA [NA]	<1,000 [<5,000]	313,000 [134,000]	183 [101]	29,500 [24,300]
	02/06/2024	493,000 [<20,000]	2,570 [<1.00 P1]	0.113 [<0.05]	234 T8 [<50.0 T8]	NA [NA]	NA [NA]	<1,000 [<100]	201,000 [<644 J]	619 [<50.0]	34,500 [169 J]
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	7,41,000 B	NA	NA	NA	NA	NA	NA	270,000	92,200	NA
	10/25/2016	512,000	NA	NA	NA	NA	NA	NA	374,000	48,000	NA
	10/25/2016	759,000	NA	NA	NA	NA	NA	NA	270,000	64,000	NA
	7/5/2017	667,000	4,060	1.8	< 100	< 50	< 0.050	NA	541,000	84,000	12,500 B
	8/27/2017	7,74,000 B	4,100	6.6	< 100	< 50	< 0.050	NA	346,000	61,800	11,600 B
	10/11/2017	804,000	3,720	5.5	< 100	< 50	< 0.050	NA	2,98,000 B	56,400	10,800 B
	7/12/2018	1,14,000 B	182	1.1	< 100	51 H	0.020 J H	NA	28,000	800 J	NA
	10/17/2018	102,000	201	0.61	< 100	< 50	< 0.050	NA	29,900	800 J	NA
	5/9/2019	112,000	89	0.39	< 100 HF	18 J	0.038 J	NA	9,100	< 1,000	6,300 B
	9/13/2019	108,000	49	2	160 HF	1,200	0.013 J	NA	9,900	< 1,000	6,000
	12/5/2019	190,000	550	1.9	180 HF	< 100	< 0.1	NA	55,000	12,100	59,700
	2/11/2020	482,000	340	1.2	220 HF	30 J H	0.016 J	NA	48,000	< 1.0	23,200

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



Location ID	Date Sampled	General Chemistry				General Chemistry					
		Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
		NE	250	NE	NE	10,000	1	10,000	NE	NE	NE
NYS Class	GA Standard	Units	ug/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-24-D2 (cont.)	6/9/2020	267,000	805	<0.050 T8	492 T8	NA	NA	63.3 J	89,200	<50.0	13,700
	8/18/2020	235	728	<0.05 T8	1,160 T8	NA	NA	<500	98,300	<0.05	15,800
	11/5/2020	241,000	724	<0.05 T8	1,050 T8	NA	NA	<100	85,500	<50	19,200
	3/19/2021	607,000	2,240	1.14 T8	815 T8	NA	NA	<2,000	174,000	27 J	36,600
	6/1/2021	674,000	2,360	0.343	1,140 T8	NA	NA	<100	235,000	134 Q	38,100 B
	11/16/2021	320,000	854	0.343	1,140 T8	NA	NA	<100	235,000	134 Q	38,100 B
	2/2/2022	740,000	2,720	<50	978 T8	NA	NA	<500	235,000	<64 J4	36,000
	5/4/2022	752,000	3,770	<50	978 T8	NA	NA	<500	235,000	<64 J4	36,000
	8/24/2022	566,000	3,550	1.53	321 T8	NA	NA	<500	369,000	<50.0 Q	15,200 B
	11/29/2022	662,000	3,380	0.830 T8	<500 T8	NA	NA	<5,000	319,000	16,200	14,500 B
	3/10/2023	716,000	3,560	<0.05	1,410 T8	NA	NA	<500	257,000	74.0	18,300 B
	5/31/2023	709,000	3,340	1.130	704 T8	NA	NA	<100	246,000	175	8,930 B
	8/30/2023	677,000	3,590	1.45	536 T8	NA	NA	<100	163,000	35,600	18,100
	11/29/2023	813,000	3,550	0.485	1,160 T8	NA	NA	<100	188,000	107	19,700
	02/06/2024	749,000	3,670	0.699	1,110 T8	NA	NA	363 J	177,000	107	17,300
MW-24-VDR	7/12/2018	4,54,000 B	16,000	37.8	100 HF	< 50	< 0.050	NA	1,640,000	< 1,000	NA
	10/17/2018	416,000	13,100	26.1	< 100	< 50	< 0.050	NA	1,300,000	< 1,000	NA
	5/9/2019	461,000	16,000	25.2	< 100 HF	10 J	0.063 J	NA	1,700,000	<1,000	7,700 B
	9/13/2019	295,000	7,300	8.2	700 HF	<100	0.010 J	NA	720,000	1,200	7,700
	12/5/2019	446,000	17,000	36.5	< 100 HF	< 100	< 0.10	NA	3,100,000	< 1,000	4,800
	2/11/2020	474,000	15,000	29.5	2000 HF	36 J H	0.013 J	NA	2,000,000	< 1,000	8,200
	6/9/2020	337,000	13,700	<0.100 T8	43,100 T8	NA	NA	<100	1,580,000	<50.0	7,030
	8/18/2020	332	12,800	12.8 T8	32,100 T8	NA	NA	<100	1,510,000	<0.05	8,400
	11/5/2020	388,000	15,800	2.71 T8	42,400 T8	NA	NA	<100	1,770,000	<50	6,760 B
	3/19/2021	459,000	17,300	31.6 T8	32,400 T8	NA	NA	<100	2,020,000	<50	11,300
	6/1/2021	413,000	15,500	<0.100	216,000 T8	NA	NA	<100	1,810,000	<50 Q	9,370 B
	11/16/2021	18,900 J	172	<0.100	216,000 T8	NA	NA	<100	1,810,000	<50 Q	9,370 B
	11/29/2022	71,300	273	<0.10	899 T8	NA	NA	<100	32,900	<50.0 J6	1,620 B
	3/10/2023	176,000	3,500	1.65	1,640 T8	NA	NA	371	407,000	<50.0	2,800 B
	5/31/2023	307,000	8,870	4.140	21,900 T8	NA	NA	<100	994,000	<50.0	2,580
	8/30/2023	128,000	1,230	4.9	478 T8	NA	NA	100 J	150,000	<50.0 J6	7,860
	11/29/2023	156,000	2,800	13	1,290 T8	NA	NA	<100	326,000	<50.0	2,180 B
	02/06/2024	35,900	571	<0.1	43,500 T8	NA	NA	99.0 J	51,900	<50.0	2,550
MW-26-D1	1/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	5,69,000 B	NA	NA	NA	NA	NA	NA	139,000	70,600 F1	NA
	10/25/2016	479,000	NA	NA	NA	NA	NA	NA	252,000	48,000	NA
	10/25/2016	591,000	NA	NA	NA	NA	NA	NA	131,000	56,000	NA
	7/5/2017	542,000	2,520	0.23	< 100	< 50	< 0.050	NA	313,000	44,000	9,100 B
	8/27/2017	5,32,000 B	2,530	0.64	< 100	< 50	< 0.050	NA	203,000	43,200	10,800 B
	10/11/2017	177,000	483	0.19	< 100	600	5.1	NA	69,200	< 1,000	22,900 B
	7/13/2018	558,000	2,810	0.32	< 100	< 50	< 0.050	NA	237,000	44,800	NA
	10/17/2018	416,000	2,540	0.28	< 100	< 50	< 0.050	NA	2,64,000 B	28,400	NA
	9/13/2019	542,000	3,000	<0.10	170 HF	12 J B	0.012 J B	NA	98,000	23,600	33,000
	12/6/2019	405,000	2,000	0.25	110 HF	30 JB	0.010 J	NA	230,000	21,000	31,600
	2/11/2020	405,000	2,100	0.51	570 HF	NA	NA	NA	290,000	NA	32,800
	6/10/2020	438,000	2,400	<0.050 T8	557 T8	NA	NA	<1,000	343,000	123	28,100
	8/19/2020	500	2,360	1.01 T8	336 T8	NA	NA	<500	185,000	125	31,500
	11/6/2020	387,000	2,340	0.326 T8	228 T8	NA	NA	<100	203,000	<50	31,100
	6/2/2021	443,000	2,330	0.442	363 T8	NA	NA	<100	342,000	72	29,400
	8/12/2021	479,000	2,060	0.442	363 T8	NA	NA	<100	342,000	72	29,400
	11/16/2021	418,000	2,290	0.442	363 T8	NA	NA	<100	342,000	72	29,400
	2/2/2022	411,000	2,500	42.2 J	110 T8	NA	NA	<500	297,000	<50	31,800
	5/5/2022	470,000	2,460	42.2 J	110 T8	NA	NA	<500	297,000	<50	31,800
	8/25/2022	456,000	2,300	<0.05	225 T8	NA	NA	<1000	178,000	<50.0 Q	28,800
	11/29/2022	483,000	2,160	0.479	31.0 JT8	NA	NA	<1,000	52,700	787	37,400
	3/10/2023	466,000	2,200	<0.05	771 T8	NA	NA	<100	200,000	<50.0	34,000
	6/1/2023	541,000	2,330	0.1	1,150 T8	NA	NA	<200	178,000	157	29,900
	9/1/2023	455,000	1,850	0.962	1,990 J5T8	NA	NA	<1,000	89,700	<1,250	41,300
	02/06/2024	596,000	1,470	<0.05	729 T8	NA	NA	<100	141,000	<50.0	32,800

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Location ID	Date Sampled	General Chemistry				General Chemistry					
		Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYS Class	GA Standard	NE	250	NE	NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	mg/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-26-D2	1/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	344,000	NA	NA	NA	NA	NA	NA	1,200,000	1,700	NA
	10/25/2016	NA	NA	NA	NA	NA	NA	NA	NA	40,000	NA
	10/25/2016	653,000	NA	NA	NA	NA	NA	NA	382,000	36,000	NA
	7/5/2017	348,000	9,010	0.97	< 100	< 50	< 0.050	NA	1,580,000	24,400	4,300 B
	8/27/2017	379,000	7,980	0.97	< 100	< 50	< 0.050	NA	1,100,000	16,000	4,800 B
	10/11/2017	435,000	8,600	1.1	< 100	28 J	< 0.050	NA	1,100,000	26,800	8,800 B
	10/17/2018	509,000	3,820	0.15	< 100	< 50	< 0.050	NA	3,61,000 B	25,600	NA
	5/9/2019	684,000	5,000	0.47	< 100 HF	21 J	< 0.10	NA	350,000	54,600	14,600 B
	9/13/2019	702,000	4,000	0.21	<100 HF	<100	0.0071 J B	NA	280,000	57,000	14,900
	12/6/2019	628,000	4,000	< 0.1	270 HF	<100	< 0.10	NA	280,000	45,600	13,700
	2/11/2020	588,000	3,900	0.35	< 100 HF	18 J H	< 0.1	NA	420,000	28,200	15,400
	6/10/2020	671,000	4,390	<0.050 T8	279 T8	NA	NA	<1,000	368,000	282	13,200 B
	8/19/2020	638	4,160	0.242 T8	160 T8	NA	NA	<500	288,000	6.6	17,800
	11/16/2021	168,000	5,590	0.242 T8	160 T8	NA	NA	<500	288,000	6.6	17,800
	1/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	1,76,000 B	NA	NA	NA	NA	NA	NA	497,000	6,000	NA
MW-26-VD	1/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-27-D1R	6/21/2016	7,95,000 B	NA	NA	NA	NA	NA	NA	290,000	97,300	NA
	7/5/2017	3,94,000 B	2,860	2.8	< 100	< 50	< 0.050	NA	308,000	14,400	13,700 B
	8/27/2017	884,000	5,640	1.3	< 100	< 50	< 0.050	NA	699,000	1,400	14,400 B
	7/13/2018	5,26,000 B	2,770	8	170 HF	< 50	< 0.050	NA	157,000	63,200	NA
	10/18/2018	725,000	3,890	2	91 J HF	< 50	< 0.050	NA	183,000	63,200	NA
	5/10/2019	579,000	3,500	50.7	910 HF	19 J	0.010 J	NA	260,000	37,600	17,600
	9/14/2019	724,000	3,400	12.4	420 HF	<100	0.0084 J B	NA	160,000	53,200	17,600
	12/5/2019	762,000	3,800	1.3	< 100	45 JB	< 0.10	NA	200,000	45,600	16,600
	8/19/2020	945	5,060	0.178 T8	10,400 T8	NA	NA	<2,000	310,000	93.7	18,700
	11/6/2020	652,000	3,870	10.4 T8	552 T8	NA	NA	<100	170,000	<50	14,400 B
	3/20/2021	788,000	4,300	8.07 T8	703 T8	NA	NA	<2,000	171,000	79.0	18,800 B
	6/2/2021	795,000	4,330	59.2	327 T8	NA	NA	<2,000	314,000	3,640 Q	15,300 B
	8/12/2021	839,000	3,970	59.2	327 T8	NA	NA	<2,000	314,000	3,640 Q	15,300 B
	11/17/2021	764,000	4,260	59.2	327 T8	NA	NA	<2,000	314,000	3,640 Q	15,300 B
	2/2/2022	675,000	4,100	3,020	751 T8	NA	NA	<2,000	177,000	4,520	14,400
	5/5/2022	842,000	4,230	3,020	751 T8	NA	NA	<2,000	177,000	4,520	14,400
	11/29/2022	389,000	4,690	<0.10	5,480 T8	NA	NA	<100	525,000	<50.0	6,990 B
	3/9/2023	765,000	3,680	0.113	258 T8	NA	NA	22,600	174,000	17,200	2,970 B
	5/31/2023	768,000	3,460	<0.05	118 T8	NA	NA	<100	177,000	9,030	13,600
	8/31/2023	772,000	3,730	<0.05	622 T8	NA	NA	<1,000	137,000 J	21,000	13,600
	11/29/2023	729,000	3,830	0.565	428 T8	NA	NA	<500	175,000	325	13,300
	02/05/2024	599,000	3,440	0.090	698 T8	NA	NA	114 J	237,000 J	55.0	13,800
MW-27-D2	1/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	2,79,000 B	NA	NA	NA	NA	NA	NA	49,200	160	NA
	7/5/2017	4,08,000 B	6,330	12.4	< 100	< 50	< 0.050	NA	808,000	12,800	6,300 B
	8/27/2017	303,000	9,140	11.6	< 100	< 50	< 0.050	NA	1,300,000	16,600	4,800 B
	10/12/2017	374,000	8,290	9.1	450 HF	40 J	< 0.050	NA	11,20,000 B	8,800	4,700 B
	7/13/2018	3,63,000 B	7,510	4.6	< 100	< 50	< 0.050	NA	844,000	10,800	NA
	10/18/2018	195,000	8,300	2.8	< 100	< 50	< 0.050	NA	1,250,000	7,200	NA
	5/10/2019	599,000	4,100	0.14	760 HF	29 J	< 0.10	NA	250,000	24,400	15,200
	9/14/2019	638,000	3,500	3.5	630 HF	26 J B	0.013 J B	NA	250,000	32,200	12,700

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Location ID	Date Sampled	General Chemistry				General Chemistry					
		Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYS Class	GA Standard	NE	250	NE	NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	mg/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-27-D2 (cont.)	12/5/2019	526,000	3,600	1.1	120 HF	< 100	0.011 J	NA	280,000	22,000	12,000
	2/12/2020	511,000	3,800	1.4	480 HF F1	31 J B	0.02 J B	NA	400,000	14,100	10,100
	6/10/2020	496,000	4,660	<0.100 T8	4,450 T8	NA	NA	<1,000	485,000	<50.0	9,620
	8/19/2020	397	3,690	<0.05 T8	1,470 T8	NA	NA	<100 J6	367,000	0.047 J	8,900
	11/6/2020	323,000	7,520	<0.1 T8	12,600 T8	NA	NA	461	1,100,000	<50	6,090
	3/20/2021	291,000	8,920	6.06 T8	4,550 T8	NA	NA	53.7 J J6	1,120,000	<50	6,900
	6/2/2021	275,000	9,290	5.12	7,580 T8	NA	NA	<100	1,100,000	<50	4,240 B
	8/12/2021	338,000	7,000	5.12	7,580 T8	NA	NA	<100	1,100,000	<50	4,240 B
	11/17/2021	252,000	6,730	5.12	7,580 T8	NA	NA	<100	1,100,000	<50	4,240 B
	2/2/2022	333,000	7,580	<100	16,800 T8	NA	NA	<100	1,020,000	<50	5,720
	5/5/2022	274,000	5,610	<100	16,800 T8	NA	NA	<100	1,020,000	<50	5,720
	8/25/2022	211,000	4,430	0.0213 J	8,390 T8	NA	NA	<100	5,95,000	<50.0 Q	10,500
	11/29/2022	639,000	3,900	<0.05	1,010 T8	NA	NA	<1,000	200,000	17,000	13,200
	3/9/2023	305,000	8,440	6.95	2,270 T8	NA	NA	<100	1,030,000	<50.0	8,140
	5/31/2023	336,000	6,600	<0.1	16,600 T8	NA	NA	<100	813,000	<50.0	5,580
	8/31/2023	326,000	7,340	<0.1	15,500 T8	NA	NA	<100	811,000	<50.0	5,440
	11/29/2023	377,000	6,350	13	571 T8	NA	NA	<100	797,000	<50.0	6,530
	02/05/2024	315,000	5,230	<0.1	9,200 T8	NA	NA	<100	594,000	<50.0	6,290
MW-28-D1	6/24/2016	7,45,000 B	NA	NA	NA	NA	NA	NA	155,000	54,400	NA
	7/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	457,000	3,120	3.6	< 100	< 50	< 0.050	NA	340,000	4,000	13,000 B
	8/27/2017	393,000	3,310	0.74	< 100	< 50	< 0.050	NA	349,000	18,200	14,400 B
	10/11/2017	196,000	1,530	0.95	< 100	< 50	< 0.050	NA	196,000	32,800	23,900 B
	10/17/2018	102,000	945	0.98	< 100	76	0.044 J	NA	231,000	7,200	NA
	5/9/2019	667,000	3,300	1.9	600 HF	< 100	0.016 J	NA	170,000	45,200	12,900 B
	9/13/2019	735,000	2,900	<0.10	560 HF	<100	0.014 J B	NA	81,000	51,400	14,800
	12/5/2019	337,000	1,800	<0.10	100 HF	21 JB	0.017 J	NA	280,000	1,600	17,300
	2/11/2020	495,000	1,900	<0.10	280 HF	22 J H	0.018 J	NA	290,000	50,900	17,700
	6/9/2020	472,000	2,570	<0.050 T8	522 T8	NA	NA	<100	343,000	<50.0	15,300 B
	8/19/2020	496	2,490	0.0216 JT8	145 T8	NA	NA	<100	304,000	<0.05	31,300
	11/6/2020	548,000	3,110	<0.05 T8	160 T8	NA	NA	<100	178,000	190	16,500
	6/2/2021	305,000	1,410	<0.050	247 T8	NA	NA	<100	272,000	29.0 J	9,410
	8/12/2021	485,000	1,970	<0.050	247 T8	NA	NA	<100	272,000	29.0 J	9,410
	11/16/2021	104,000	202	<0.050	247 T8	NA	NA	<100	272,000	29.0 J	9,410
	2/2/2022	125,000	157	52.2	188 T8	NA	NA	1,010	228,000	<50	24,200
	5/5/2022	294,000	1,130	52.2	188 T8	NA	NA	1,010	228,000	<50	24,200
	8/25/2022	254,000	565	<0.05	1,548 T8	NA	NA	116	207,000	<50.0 Q	18,500
	11/29/2022	293,000	672	0.0229 J	376 T8	NA	NA	123	211,000	102	31,900
MW-28-D2R	3/9/2023	717,000	3,500	<0.05	677 T8	NA	NA	<500	242,000	14,000	11,700
	6/1/2023	736,000	3,680	0.116	265 T8	NA	NA	<200	177,000	9,370	12,700
	8/31/2023	593,000	2,850	1.65	981 T8	NA	NA	<1,000	206,000 J	91.0	25,600
	11/29/2023	334,000	1,200	0.1	225 T8	NA	NA	265	287,000	<50.0	34,600
	02/06/2024	364,000	1,360	0.023 J	431 T8	NA	NA	66.0 J	314,000	<50.0	44,000
	6/24/2016	182,000	NA	NA	NA	NA	NA	NA	1,080,000	< 100	NA
	7/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	334,000	9,090	6.7	92 J HF	< 50	< 0.050	NA	1,620,000	2,400	4,000 B
	8/27/2017	3,37,000 B	11,300 B	5.6	420 HF	< 50	< 0.050	NA	1,370,000	4,000	4,800 B
	10/11/2017	412,000	6,670	9.1	160 HF	< 50	< 0.050	NA	938,000	3,600	4,500 B
	7/13/2018	4,68,000 B	4,010	5.2	< 100	< 50	< 0.050	NA	432,000	11,200	NA
	10/17/2018	333,000	9,820	2.2	< 100	260	< 0.050	NA	1,330,000	3,200	NA
	5/9/2019	385,000	7,600	0.37	200 HF	< 100	0.036 J	NA	870,000	10,900	9,400 B
	9/13/2019	428,000	4,600	0.25	200 HF	23 J B	0.020 J B	NA	530,000	6,100	8,800
	12/6/2019	349,000	7,400	0.3	160 HF	25 JB	0.015 J	NA	850,000	5,000	6,600
	2/11/2020	276,000	3,600	0.25	100 U HF	140 H	0.014 J	NA	440,000	11,500	8,300
	6/9/2020	339,000	18,800	<0.100 T8	6,540 T8	NA	NA	55.8 J	2,220,000	<50.0	5,920
	8/19/2020	343	9,550	43.8 T8	4,540 T8	NA	NA	<100	1,140,000	<0.05	6,560
	11/6/2020	395,000	6,460	<0.1 T8	8,800 T8	NA	NA	138	618,000	<50	6,560

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	General Chemistry				General Chemistry					
		Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYS Class	GA Standard	NE	250	NE	NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	mg/L	mg/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-28-D2R (cont.)	3/20/2021	347,000	10,800	3.66 T8	566 T8	NA	NA	217	1,270,000	<50	6,950
	6/2/2021	348,000	10,900	6.27	846 T8	NA	NA	<100	1,280,000	<50	5,730 B
	8/12/2021	369,000	7,480	6.27	846 T8	NA	NA	<100	1,280,000	<50	5,730 B
	11/16/2021	341,000	5,880	6.27	846 T8	NA	NA	<100	1,280,000	<50	5,730 B
	2/2/2022	337,000	9,970	<100	10,700 T8	NA	NA	91.6 J	1,310,000	<50	5,570
	5/5/2022	434,000	5,580	<100	10,700 T8	NA	NA	91.6 J	1,310,000	<50	5,570
	8/25/2022	376,000	3,850	<0.05	1,770 T8	NA	NA	<500	449,000	<50.0 Q	7,250
	11/29/2022	330,000	3,550	0.698	252 T8	NA	NA	<100	389,000	<50.0	5,730 B
	3/9/2023	401,000	4,350	<0.05	403 T8	NA	NA	<500	484,000	<50.0	8,580
	6/1/2023	158,000	1,730	<0.05	493 T8	NA	NA	<100	221,000	<50.0	6,790
	8/31/2023	360,000	3,910	0.0153 J	176 T8	NA	NA	<100	351,000 J	<50.0	6,700
	11/29/2023	411,000	4,450	0.206	520 T8	NA	NA	72.0 J	506,000	<50.0	6,420
	02/06/2024	466,000	4,860	<0.05	1,120 T8	NA	NA	78.0 J	507,000	42.0 J	9,070
MW-29-D1	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	5,67,000 B	NA	NA	NA	NA	NA	NA	< 5000	230	NA
	10/26/2016	540,000	NA	NA	NA	NA	NA	NA	< 5000	1,200	NA
	10/26/2016	547,000	NA	NA	NA	NA	NA	NA	1,800 J	< 2,000	NA
	7/5/2017	556,000	1,610	0	< 100	< 50	< 0.050	NA	< 1,00,000	800 J	13,500 B
	8/27/2017	5,60,000 B	1,580	2.4	< 100	< 50	< 0.050	NA	< 1,00,000	101,000	12,900 B
	10/12/2017	619,000	1,530	3.4	< 100	< 50	< 0.050	NA	< 40,000	1,200	11,300 B
	7/13/2018	5,63,000 B	1,680	1.3	< 100	< 50	< 0.050	NA	< 40,000	1,200	NA
	10/18/2018	535,000	1,550	1.5	< 100	< 50	< 0.050	NA	13,600 J	800 J	NA
	5/10/2019	469,000	1,700	1.4	63 J HF	< 100	0.026 J	NA	13,000	1,100	14,200
	9/14/2019	40,100	58	4.3	110 HF	<100	0.016 J B	NA	6,900	830 J	10,000
	12/6/2019	63,500	130	0.67	< 100	53 J B	0.036 J	NA	16,000	< 1,000	29,500
	2/12/2020	62,700	160	1.8	230 HF	-	0.018 J B	NA	17,000	910 J	3,400
	6/10/2020	273,000	1,050	0.379 T8	362 T8	NA	NA	<100	72,600	<50.0	16,400
	8/19/2020	256	950	1.13 T8	232 T8	NA	NA	107	60,500	0.031 J	18,700
	11/6/2020	208,000	795	<0.05 T8	204 T8	NA	NA	<100	43,800	<50	17,200
	3/20/2021	285,000	975	4.55 T8	4,200 T8	NA	NA	<2,000	44,500	<50	17,700 B
	6/2/2021	174,000	566	40.4	2,190 T8	NA	NA	<100	39,200	29.0 J	11,000 B
	8/12/2021	235,000	787	40.4	2,190 T8	NA	NA	<100	39,200	29.0 J	11,000 B
	5/5/2022	266,000	930 E V	40.4	2,190 T8	NA	NA	<100	39,200	29.0 J	11,000 B
	11/29/2022	41,400	29	<0.10	1,590 T8	NA	NA	65.9 J	6,840	25.0 J	5,660 B
	3/10/2023	669,000	577	<0.10	14,800 T8	NA	NA	<100	93,700	<50.0	2,040 B
	6/1/2023	141,000	426	0.889	2,360 T8	NA	NA	<100	21,300 J	<50.0	2,900
	9/1/2023	34,200	14.0	<0.1	5,320 T8	NA	NA	<100	2,680 J	5,340	13,600
	11/30/2023	165,000	420	<0.1	24,900 T8	NA	NA	<100	14,800	33.0 J	10,700
	02/06/2024	182,000	846	<0.1	10,800 T8	NA	NA	<1,000	33,000	<50.0	4,000
MW-29-D2	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	4,53,000 B	NA	NA	NA	NA	NA	NA	939,000	17,000	NA
MW-29-VD	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	2,29,000 B	NA	NA	NA	NA	NA	NA	1,890,000	< 100	NA
MW-30-D1	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	8,41,000 B	NA	NA	NA	NA	NA	NA	NA	92,700	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	7,55,000 B	NA	NA	NA	NA	NA	NA	NA	64,100 F1	NA
MW-30-VD	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	7,13,000 B	NA	NA	NA	NA	NA	NA	NA	< 100	NA
MW-31-D1R	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	2,21,000 B	NA	NA	NA	NA	NA	NA	NA	600	NA
MW-31-D2R	1/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	5,08,000 B	NA	NA	NA	NA	NA	NA	NA	2,800	NA

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through February 2024
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Notes:

ID = Identification

NYS = New York State

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

* = guidance value listed in NYSDEC TOGS 1.1.1

ug/L = micrograms per liter

Bolded values = compound was detected

Shaded cells = concentration was above the NYS Class GA standard/guidance value

< = Less than indicated reporting limit

NE = Not established

CaCO₃ = calcium carbonate

B = Compound was found in the blank and sample.

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.

E = Result exceeded calibration range

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

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

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

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.

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

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

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

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

[] = Duplicate analysis results

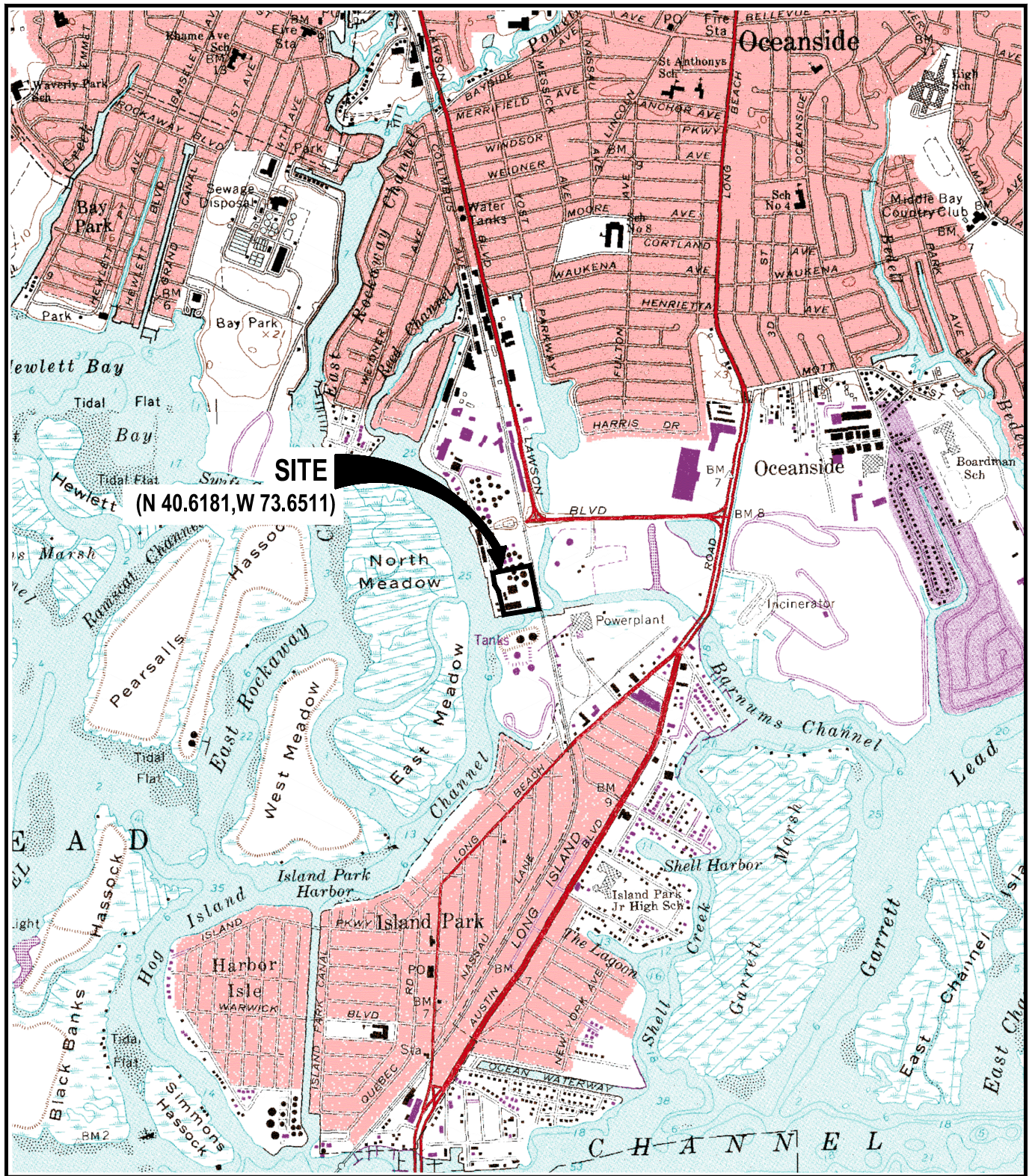
* = LCS or LCSD was above the control limits.

^ = Instrument related QC was outside acceptance limits.

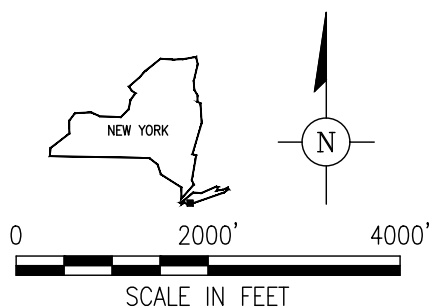
-- = Not available

Figures

IMAGES:
 NY_Lawrence.TIF
 NY_Lynbrook.TIF



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



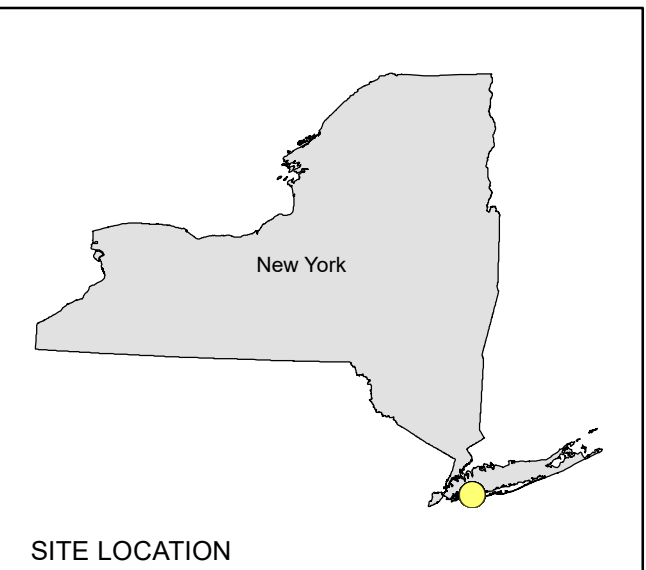
CHEVRON FACILITY 6518040
 3705 HAMPTON RD
 OCEANSIDE, NY

SITE LOCATION MAP

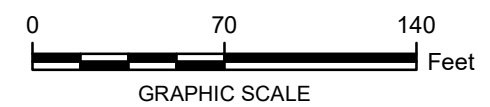


FIGURE
1

City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: ski01076
T:\ENV\Chevron Oceanside NY\302022\Report\MXD\Fig 2 SitePlan.mxd 10/11/2022 11:58:03 AM



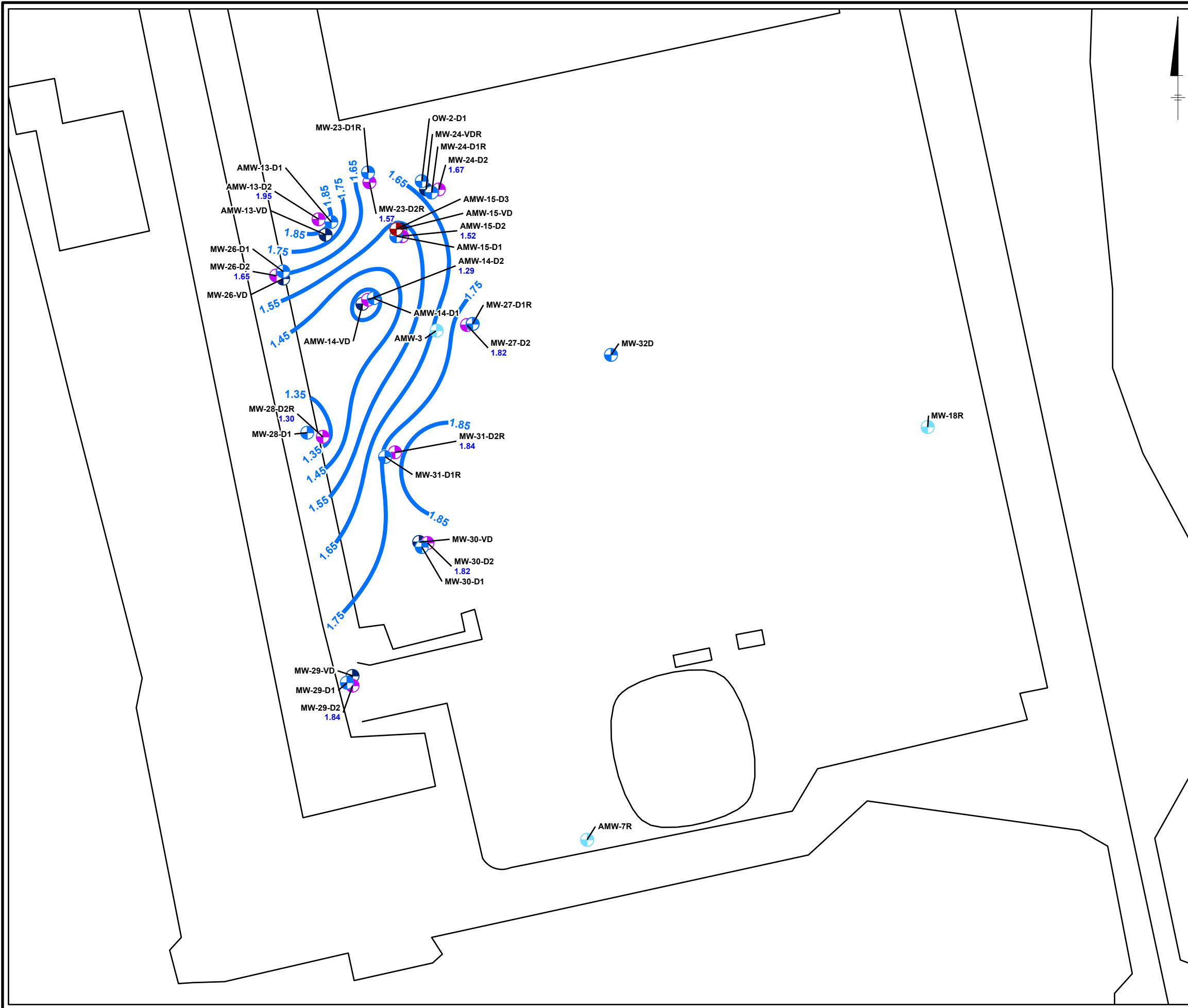
- LEGEND:
- SHALLOW FILL UNIT MONITORING WELLS
 - D1 HORIZON MONITORING WELLS
 - D2 HORIZON MONITORING WELLS
 - D3 HORIZON MONITORING WELLS
 - VD HORIZON MONITORING WELLS



NOTE:
1. 2017 IMAGERY OBTAINED FROM GOOGLE EARTH.

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

City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: pnv9108
T:_ENV\Chevron_Oceanside_NY\102024Report\Pro\Chevron_Oceanside_1Q2024.aprx 3/14/2024 11:53 AM



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)
- 1.52 GROUNDWATER ELEVATION IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

0 70 140 Feet

GRAPHIC SCALE

NOTE:

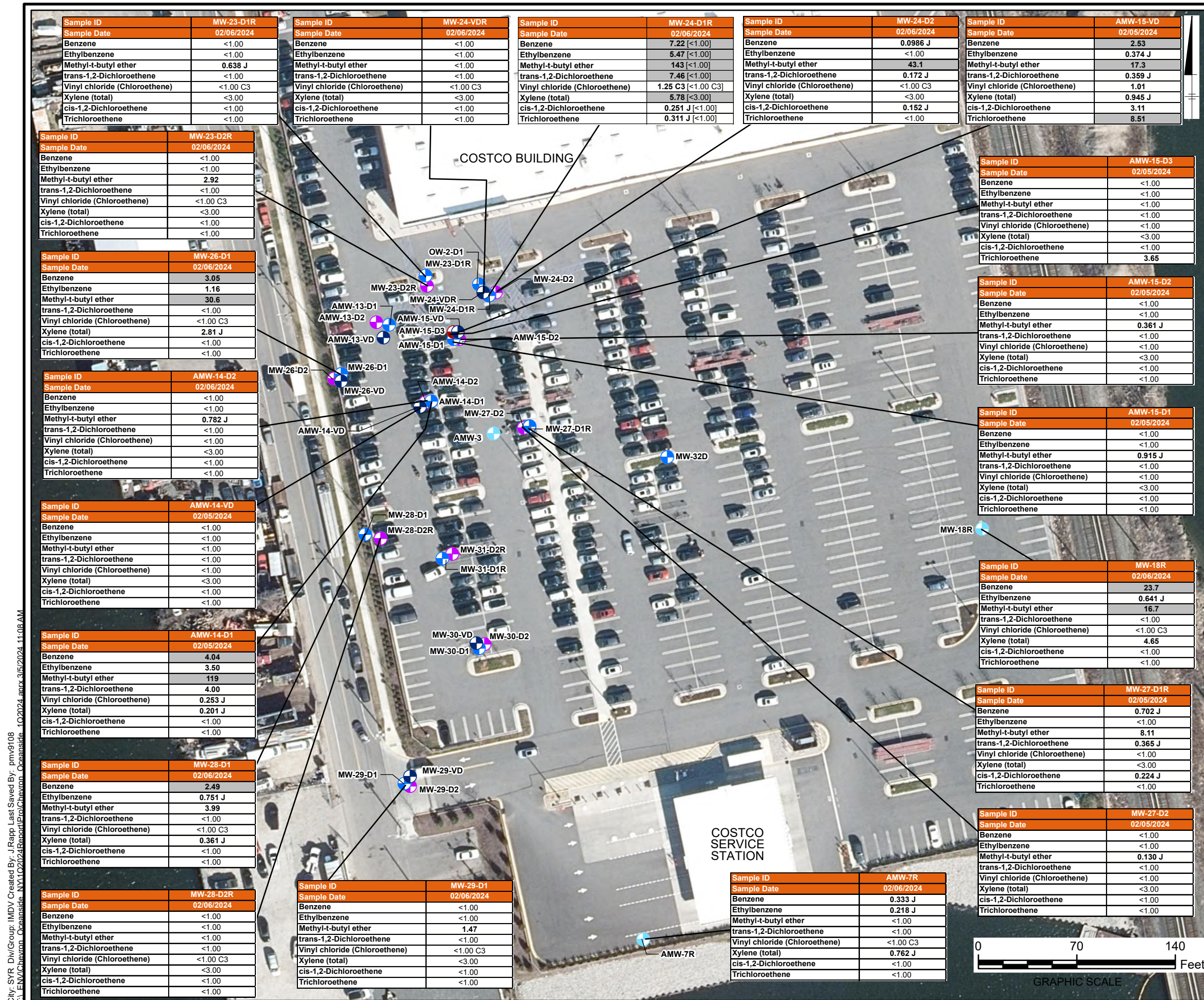
1. THE WELLS WERE GAUGED DURING HIGH TIDE.

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

**D2 HORIZON GROUNDWATER
CONTOUR MAP
FEBRUARY 5, 2024**

ARCADIS

FIGURE
4



SITE LOCATION

LEGEND:

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

Parameter Name	NYS CLASS GA STANDARD
Benzene	1 ug/L
Ethylbenzene	5 ug/L
Methyl t-butyl ether	10 ug/L *
trans-1,2-Dichloroethene	5 ug/L
Vinyl Chloride (Chloroethene)	2 ug/L
Xylene (total)	5 ug/L
cis-1,2-Dichloroethene	5 ug/L
Trichloroethene	5 ug/L

NOTES:

SERVICE LAYER CREDITS: SOURCE: ESRI, DIGITALGLOBE, GEOEYE, EARTHSTAR, GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGLOBE, IGN, AND THE GIS USER COMMUNITY

CONCENTRATIONS ARE IN MICROGRAMS PER LITER (UG/L)

ID = IDENTIFICATION

NYS = NEW YORK STATE

NYS CLASS GA (GROUNDWATER) STANDARDS AND GUIDANCE VALUES LISTED IN NYSDEC TOGS 1.1.1

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

* = GUIDANCE VALUE LISTED IN NYSDEC TOGS 1.1.1

BOLDED VALUES = COMPOUND DETECTED

GREY SHADED CELLS = CONCENTRATION ABOVE THE NYS CLASS GA STANDARD/GUIDANCE VALUE

J = THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE;
THE REPORTED VALUE IS AN ESTIMATE.

C3 = THE REPORTED CONCENTRATION IS AN ESTIMATE. THE CONTINUING CALIBRATION STANDARD ASSOCIATED WITH THIS DATA RESPONDED LOW.

METHOD SENSITIVITY CHECK IS ACCEPTABLE

[] = DUPLICATE ANALYSIS RESULTS

< = LESS THAN INDICATED REPORTING LIMIT

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

**GROUNDWATER ANALYTICAL RESULTS
FEBRUARY 5 AND 6, 2024**

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):		02/05/2024						
Sampler(s):		Shekhar Gahlod						
Gauging Equipment:		Water Level Meter						
Well ID	Date	Gauging Time	Static Water Level (ft bmp)	Depth to Product (ft bmp)	Total Depth (ft bmp)	PID Reading (ppm)	LNAPL Removed (gal)	Comments
AMW-3	02/05/2024	18:33	6.13	ND	12.33	--	--	--
AMW-7R	02/05/2024	19:26	7.73	ND	13.87	--	--	--
AMW-13-D1	02/05/2024	18:38	7.79	ND	32.82	--	--	--
AMW-13-D2	02/05/2024	18:40	7.81	ND	42.66	--	--	--
AMW-13-VD	02/05/2024	18:41	7.7	ND	70.27	--	--	--
AMW-14-VD	02/05/2024	20:15	8	ND	74.42	--	--	--
AMW-14-D2	02/05/2024	20:16	8.08	ND	43.74	--	--	--
AMW-14-D1	02/05/2024	20:17	8.05	ND	32.51	--	--	--
AMW-15-VD	02/05/2024	19:22	7.82	ND	72.95	--	--	--
AMW-15-D2	02/05/2024	19:43	8.19	ND	40.68	--	--	--
AMW-15-D3	02/05/2024	19:45	8.21	ND	71.08	--	--	--
AMW-15-D1	02/05/2024	19:49	8.25	ND	35.77	--	--	--
MW-18R	02/05/2024	19:59	4.5	ND	9.91	--	--	--
MW-23-D2R	02/05/2024	19:41	8.95	ND	45.34	--	--	PVC damaged about 3ft down
MW-23-D1R	02/05/2024	19:47	8.29	ND	26.26	--	--	--
MW-24-D2	02/05/2024	19:19	8.33	ND	41.62	--	--	--
MW-24-VDR	02/05/2024	19:20	7.56	ND	67.66	--	--	--
MW-24-D1R	02/05/2024	20:09	8.43	ND	31.35	--	--	--
MW-26-VD	02/05/2024	18:52	7.58	ND	67.60	--	--	--
MW-26-D2	02/05/2024	19:39	7.75	ND	7.98	--	--	Obstruction
MW-26-D1	02/05/2024	19:54	8.46	ND	19.42	--	--	--
MW-27-D2	02/05/2024	19:12	7.27	ND	46.33	--	--	--
MW-27-D1R	02/05/2024	20:44	7.71	ND	32.12	--	--	--



Groundwater Gauging Log

Project Number		30062947						
Client:		Chevron						
Site ID:		6518040						
Site Location:		Oceanside, New York						
Measuring Point:		Top of Casing						
Date(s):		02/05/2024						
Sampler(s):		Shekhar Gahlod						
Gauging Equipment:		Water Level Meter						
Well ID	Date	Gauging Time	Static Water Level (ft bmp)	Depth to Product (ft bmp)	Total Depth (ft bmp)	PID Reading (ppm)	LNAPL Removed (gal)	Comments
MW-28-D1	02/05/2024	19:33	6.48	ND	30.04	--	--	--
MW-28-D2R	02/05/2024	20:12	7.1	ND	46.38	--	--	--
MW-29-VD	02/05/2024	20:54	3.11	ND	59.82	--	--	--
MW-29-D2	02/05/2024	20:56	3.54	ND	37.82	--	--	--
MW-29-D1	02/05/2024	20:57	3.43	ND	21.83	--	--	--
MW-30-D2	02/05/2024	18:56	6.9	ND	40.26	--	--	--
MW-30-VD	02/05/2024	18:58	6.05	ND	82.43	--	--	--
MW-30-D1	02/05/2024	19:00	6.8	ND	29.81	--	--	--
MW-31-D1R	02/05/2024	19:03	6.39	ND	29.50	--	--	--
MW-31-D2R	02/05/2024	19:06	6.51	ND	45.88	--	--	--
MW-32D	02/05/2024	19:08	7.06	ND	35.95	--	--	--
OW-2-D1	02/05/2024	18:43	8	ND	33.62	--	--	--

ft-bmp = feet below measuring point

ND = Not Detected

PID = Photoionization Detector Reading

ppm = parts per million

-- = Not Recorded

Project Name: Chevron OceansideField Personnel: SG + AFDate: 2/5-2/7

Weather:

Well ID	Time	pH	Temp (deg C)	Cond (Ms/cm3)	DO (mg/L)	ORP (mV)	Notes
							DTB
MW-27-D2	0935	5.13	5.3	24.89	5.82	-23.4	46.33
MW-27-D2R	0940	7.32	5.12	12.82	5.35	-106.2	32.12
AMW-14-VD	1020	7.47	6.1	45.95	3.12	-102.6	74.42
AMW-14-D2	1025	7.45	5.75	6.79	1.2	-114.2	32.51
AMW-15-D1	1110	9.69	9.43	4.527	0.04	-110.8	35.77
AMU-15-D2	1110	7.83	8.92	1.394	5.36	-102.4	40.68
AMU-15-D3	1145	9.12	8.42	0.372	4.81	-90	71.08
AMW-15-VD	1155	12.49	12.01	3.187	1.67	-98.6	42.95
AMW-14-D2	1235	7.25	12.87	11.04	0.15	-117.4	43.74 (2/6/24)
MU-18R	0830	9.49	7.55	1.221	4.23	-36.1	9.91 (2/6/24)
AMW-7R	1910	7.43	10.48	1.295	3.58	-54.5	13.87
MW-28-D2R	1925	7.22	11.07	4.304	6.25	-59.5	46.38
MW-28-D1	1955	7.10	10.81	2.573	2.14	-72.3	30.04
MW-26-D1	2020	7.32	11.61	5.069	3.78	-77.6	29.42
MW-23-D2R	2110	7.00	8.92	8.555	0.01	-107.6	26.26
MW-23-D2R	2130	7.82	8.92	2.868	4.83	-105.2	45.34
MW-24-D1R	2200	6.90	12.97	7.924	0.04	-113.8	31.35
MW-24-D2	2230	6.92	13.20	10.56	0.64	-116.9	41.62
MW-24-VD	2250	7.40	13.48	1.269	1.93	-125.1	67.66
MW-29-D1	2315	7.15	12.55	.803	2.31	-114.1	21.83

Damaged PVC ~ 3ft down - collar kept getting caught. New hydro sleeve not deployed. BD coil detected

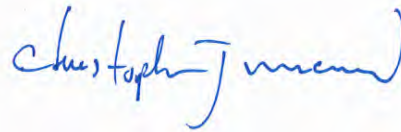
Attachment 2

Laboratory Analytical Report

Arcadis - Chevron - NY

Sample Delivery Group: L1703309
Samples Received: 02/07/2024
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

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	7
Sr: Sample Results	9
MW-27-D2-W-240205 L1703309-01	9
AMW-15-VD-W-240205 L1703309-02	11
AMW-14-VD-W-240205 L1703309-03	14
AMW-14-D2-W-240206 L1703309-04	16
AMW-15-D2-W-240205 L1703309-05	19
AMW-15-D3-W-240205 L1703309-06	21
AMW-15-D1-W-240205 L1703309-07	23
MW-27-D1R-W-240205 L1703309-08	26
AMW-14-D1-W-240205 L1703309-09	29
FB-W-240206 L1703309-10	32
TB-W-240206 L1703309-11	34
Qc: Quality Control Summary	35
Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011	35
Wet Chemistry by Method 3500Fe B-2011	37
Wet Chemistry by Method 353.2	38
Wet Chemistry by Method 4500S2 D-2011	39
Wet Chemistry by Method 9056A	40
Wet Chemistry by Method 9060A	42
Metals (ICP) by Method 6010D	43
Volatile Organic Compounds (GC) by Method RSK175	44
Volatile Organic Compounds (GC/MS) by Method 8260C	45
Gl: Glossary of Terms	48
Al: Accreditations & Locations	49
Sc: Sample Chain of Custody	50

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

SAMPLE SUMMARY

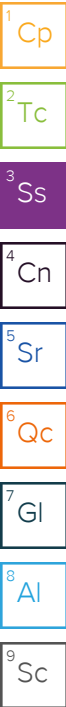
MW-27-D2-W-240205 L1703309-01 GW

Collected by
Shekhar Gahlod

Collected date/time
02/05/24 21:35

Received date/time
02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2223488	1	02/13/24 12:11	02/13/24 12:11	JTM	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224135	1	02/11/24 11:00	02/11/24 11:00	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224135	1	02/11/24 11:00	02/11/24 11:00	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2222804	10	02/08/24 16:55	02/08/24 16:55	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223000	1	02/10/24 01:24	02/10/24 01:24	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2222405	1	02/08/24 16:40	02/08/24 16:40	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	10	02/08/24 14:13	02/08/24 14:13	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	100	02/08/24 15:48	02/08/24 15:48	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222823	1	02/09/24 23:56	02/09/24 23:56	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	1	02/13/24 08:56	02/13/24 12:11	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	5	02/13/24 08:56	02/13/24 12:52	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2222865	1	02/12/24 10:33	02/12/24 10:33	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2223325	1	02/09/24 15:50	02/09/24 15:50	JCP	Mt. Juliet, TN



AMW-15-VD-W-240205 L1703309-02 GW

Collected by
Shekhar Gahlod

Collected date/time
02/05/24 23:55

Received date/time
02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2223488	1	02/13/24 12:13	02/13/24 12:13	JTM	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224135	1	02/11/24 11:10	02/11/24 11:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224135	1	02/11/24 11:10	02/11/24 11:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2222804	1	02/08/24 16:56	02/08/24 16:56	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223000	1	02/10/24 01:26	02/10/24 01:26	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2222405	1	02/08/24 16:40	02/08/24 16:40	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	100	02/08/24 16:01	02/08/24 16:01	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222823	1	02/10/24 00:40	02/10/24 00:40	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	1	02/13/24 08:56	02/13/24 12:13	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2222865	1	02/12/24 10:36	02/12/24 10:36	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2223325	1	02/09/24 16:11	02/09/24 16:11	JCP	Mt. Juliet, TN

AMW-14-VD-W-240205 L1703309-03 GW

Collected by
Shekhar Gahlod

Collected date/time
02/05/24 22:20

Received date/time
02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2223488	1	02/13/24 12:15	02/13/24 12:15	JTM	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224135	1	02/11/24 11:24	02/11/24 11:24	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224135	1	02/11/24 11:24	02/11/24 11:24	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2222804	20	02/08/24 16:57	02/08/24 16:57	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223000	1	02/10/24 01:28	02/10/24 01:28	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2222405	1	02/08/24 16:41	02/08/24 16:41	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	100	02/08/24 16:15	02/08/24 16:15	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222823	1	02/10/24 01:02	02/10/24 01:02	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	1	02/13/24 08:56	02/13/24 12:15	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	20	02/13/24 08:56	02/13/24 12:53	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2222865	1	02/12/24 10:52	02/12/24 10:52	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2223325	1	02/09/24 16:33	02/09/24 16:33	JCP	Mt. Juliet, TN

SAMPLE SUMMARY

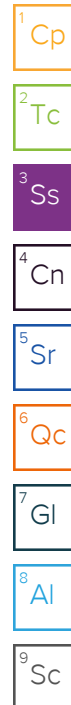
AMW-14-D2-W-240206 L1703309-04 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 00:35

Received date/time
02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2223488	1	02/13/24 12:17	02/13/24 12:17	JTM	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224135	1	02/11/24 11:29	02/11/24 11:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224135	1	02/11/24 11:29	02/11/24 11:29	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2222804	1	02/08/24 16:57	02/08/24 16:57	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223000	5	02/10/24 01:31	02/10/24 01:31	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2222405	5	02/08/24 16:47	02/08/24 16:47	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	10	02/08/24 16:28	02/08/24 16:28	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	100	02/08/24 16:42	02/08/24 16:42	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222823	1	02/10/24 01:27	02/10/24 01:27	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	1	02/13/24 08:56	02/13/24 12:17	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	5	02/13/24 08:56	02/13/24 12:55	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2222865	1	02/12/24 10:54	02/12/24 10:54	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2223325	1	02/09/24 16:55	02/09/24 16:55	JCP	Mt. Juliet, TN



AMW-15-D2-W-240205 L1703309-05 GW

Collected by
Shekhar Gahlod

Collected date/time
02/05/24 23:10

Received date/time
02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2223488	1	02/13/24 12:04	02/13/24 12:04	JTM	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224135	1	02/11/24 11:35	02/11/24 11:35	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224135	1	02/11/24 11:35	02/11/24 11:35	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2222804	1	02/08/24 16:58	02/08/24 16:58	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223000	1	02/10/24 01:33	02/10/24 01:33	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2222405	1	02/08/24 16:47	02/08/24 16:47	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	10	02/08/24 16:56	02/08/24 16:56	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	100	02/08/24 17:36	02/08/24 17:36	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222823	1	02/10/24 03:24	02/10/24 03:24	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	1	02/13/24 08:56	02/13/24 12:04	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2222865	1	02/12/24 11:00	02/12/24 11:00	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2223325	1	02/09/24 17:16	02/09/24 17:16	JCP	Mt. Juliet, TN

AMW-15-D3-W-240205 L1703309-06 GW

Collected by
Shekhar Gahlod

Collected date/time
02/05/24 23:45

Received date/time
02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2223488	1	02/13/24 12:26	02/13/24 12:26	JTM	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224135	1	02/11/24 11:40	02/11/24 11:40	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224135	1	02/11/24 11:40	02/11/24 11:40	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2222804	1	02/08/24 16:58	02/08/24 16:58	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223000	1	02/10/24 01:51	02/10/24 01:51	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2222405	1	02/08/24 16:48	02/08/24 16:48	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	1	02/08/24 17:49	02/08/24 17:49	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222823	1	02/10/24 03:43	02/10/24 03:43	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	1	02/13/24 08:56	02/13/24 12:26	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2222865	1	02/12/24 11:06	02/12/24 11:06	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2223325	1	02/09/24 17:38	02/09/24 17:38	JCP	Mt. Juliet, TN

SAMPLE SUMMARY

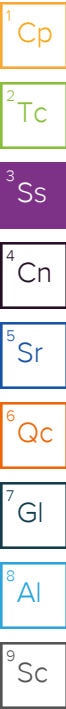
AMW-15-D1-W-240205 L1703309-07 GW

Collected by
Shekhar Gahlod

Collected date/time
02/05/24 23:10

Received date/time
02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2223488	1	02/13/24 12:28	02/13/24 12:28	JTM	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224135	1	02/11/24 11:45	02/11/24 11:45	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224135	1	02/11/24 11:45	02/11/24 11:45	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2222804	1	02/08/24 17:00	02/08/24 17:00	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223000	2	02/10/24 01:53	02/10/24 01:53	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2222405	1	02/08/24 16:48	02/08/24 16:48	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	100	02/08/24 18:02	02/08/24 18:02	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222823	1	02/10/24 04:08	02/10/24 04:08	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	1	02/13/24 08:56	02/13/24 12:28	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2222865	1	02/12/24 11:09	02/12/24 11:09	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2223325	1	02/09/24 18:00	02/09/24 18:00	JCP	Mt. Juliet, TN



MW-27-D1R-W-240205 L1703309-08 GW

Collected by
Shekhar Gahlod

Collected date/time
02/05/24 21:40

Received date/time
02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2223488	1	02/13/24 12:37	02/13/24 12:37	JTM	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224135	1	02/11/24 12:03	02/11/24 12:03	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224135	1	02/11/24 12:03	02/11/24 12:03	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2222804	1	02/08/24 17:00	02/08/24 17:00	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223000	2	02/10/24 01:55	02/10/24 01:55	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2222405	1	02/08/24 16:48	02/08/24 16:48	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	100	02/08/24 18:15	02/08/24 18:15	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222823	1	02/10/24 04:32	02/10/24 04:32	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	1	02/13/24 08:56	02/13/24 12:37	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	5	02/13/24 08:56	02/13/24 12:57	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2222865	1	02/12/24 11:12	02/12/24 11:12	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2223325	1	02/09/24 18:22	02/09/24 18:22	JCP	Mt. Juliet, TN

AMW-14-D1-W-240205 L1703309-09 GW

Collected by
Shekhar Gahlod

Collected date/time
02/05/24 22:25

Received date/time
02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2223488	1	02/13/24 12:38	02/13/24 12:38	JTM	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224135	1	02/11/24 12:08	02/11/24 12:08	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224135	1	02/11/24 12:08	02/11/24 12:08	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2222804	1	02/08/24 17:00	02/08/24 17:00	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223000	5	02/10/24 01:57	02/10/24 01:57	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2222405	1	02/08/24 16:49	02/08/24 16:49	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	100	02/08/24 18:28	02/08/24 18:28	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222823	1	02/10/24 05:00	02/10/24 05:00	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	1	02/13/24 08:56	02/13/24 12:38	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2222865	1	02/12/24 11:26	02/12/24 11:26	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2223325	1	02/09/24 18:43	02/09/24 18:43	JCP	Mt. Juliet, TN

FB-W-240206 L1703309-10 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 01:00

Received date/time
02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2223488	1	02/13/24 12:40	02/13/24 12:40	JTM	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224135	1	02/11/24 12:12	02/11/24 12:12	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224135	1	02/11/24 12:12	02/11/24 12:12	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2222804	1	02/08/24 17:01	02/08/24 17:01	ARV	Mt. Juliet, TN

SAMPLE SUMMARY

FB-W-240206 L1703309-10 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 01:00

Received date/time
02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 353.2	WG2223000	1	02/10/24 02:00	02/10/24 02:00	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2222405	1	02/08/24 16:52	02/08/24 16:52	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2222511	1	02/08/24 18:41	02/08/24 18:41	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222823	1	02/10/24 05:19	02/10/24 05:19	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2223488	1	02/13/24 08:56	02/13/24 12:40	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2222865	1	02/12/24 11:31	02/12/24 11:31	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2223325	1	02/09/24 13:39	02/09/24 13:39	JCP	Mt. Juliet, TN

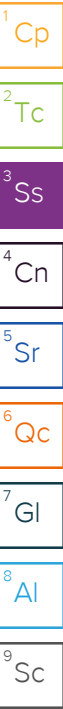
TB-W-240206 L1703309-11 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 00:00

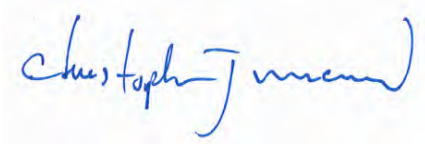
Received date/time
02/07/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2223325	1	02/09/24 12:56	02/09/24 12:56	JCP	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



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
WG2222804	3500Fe B-2011	L1703309-01, 02, 03, 04, 05, 06, 07, 08, 09, 10
WG2224135	4500CO2 D-2011	L1703309-01, 02, 03, 04, 05, 06, 07, 08, 09, 10

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2222511	(MS) R4032607-5, (MSD) R4032607-6	Chloride and Sulfate

Wet Chemistry by Method 9060A

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2222823	TOC (Total Organic Carbon)	L1703309-06, 10

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2223488	(MS) R4033129-4, (MSD) R4033129-5, L1703309-05	Sodium

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
WG2223325	L1703309-01	2-Hexanone, Chloroethane, Chloromethane and Styrene
WG2223325	L1703309-02	2-Hexanone, Chloroethane, Chloromethane and Styrene
WG2223325	L1703309-03	2-Hexanone, Chloroethane, Chloromethane and Styrene
WG2223325	L1703309-04	2-Hexanone, Chloroethane, Chloromethane and Styrene
WG2223325	L1703309-05	2-Hexanone, Chloroethane, Chloromethane and Styrene
WG2223325	L1703309-06	2-Hexanone, Chloroethane, Chloromethane and Styrene
WG2223325	L1703309-07	2-Hexanone, Chloroethane, Chloromethane and Styrene
WG2223325	L1703309-08	2-Hexanone, Chloroethane, Chloromethane and Styrene
WG2223325	L1703309-09	2-Hexanone, Chloroethane, Chloromethane and Styrene
WG2223325	L1703309-10	2-Hexanone, Chloroethane, Chloromethane and Styrene
WG2223325	L1703309-11	2-Hexanone, Chloroethane, Chloromethane and Styrene

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	02/13/2024 12:11	WG2223488

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	315000		20000	1	02/11/2024 11:00		WG2224135
Free Carbon Dioxide	116000	B T8	20000	1	02/11/2024 11:00		WG2224135

Sample Narrative:

L1703309-01 WG2224135: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	9200	T8	150	500	10	02/08/2024 16:55	WG2222804

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	02/10/2024 01:24	WG2223000

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	02/08/2024 16:40	WG2222405

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	5230000		37900	100000	100	02/08/2024 15:48	WG2222511
Sulfate	594000		5940	50000	10	02/08/2024 14:13	WG2222511

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	6290		102	1000	1	02/09/2024 23:56	WG2222823

Metals (ICP) by Method 6010D

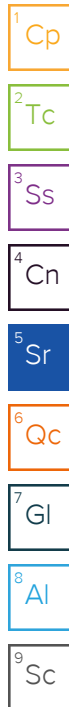
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	7760		18.0	100	1	02/13/2024 12:11	WG2223488
Manganese	1130		0.934	10.0	1	02/13/2024 12:11	WG2223488
Sodium	3780000		2520	15000	5	02/13/2024 12:52	WG2223488

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		2.91	10.0	1	02/12/2024 10:33	WG2222865
Ethane	U		4.07	13.0	1	02/12/2024 10:33	WG2222865
Ethene	U		4.26	13.0	1	02/12/2024 10:33	WG2222865

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	02/09/2024 15:50	WG2223325
Benzene	U		0.0941	1.00	1	02/09/2024 15:50	WG2223325
Bromochloromethane	U		0.128	1.00	1	02/09/2024 15:50	WG2223325
Bromodichloromethane	U		0.136	1.00	1	02/09/2024 15:50	WG2223325
Bromoform	U		0.129	1.00	1	02/09/2024 15:50	WG2223325
Bromomethane	U		0.605	5.00	1	02/09/2024 15:50	WG2223325
Carbon disulfide	0.113	<u>U</u>	0.0962	1.00	1	02/09/2024 15:50	WG2223325
Carbon tetrachloride	U		0.128	1.00	1	02/09/2024 15:50	WG2223325
Chlorobenzene	U		0.116	1.00	1	02/09/2024 15:50	WG2223325
Chlorodibromomethane	U		0.140	1.00	1	02/09/2024 15:50	WG2223325
Chloroethane	U	<u>C3</u>	0.192	5.00	1	02/09/2024 15:50	WG2223325
Chloroform	U		0.111	5.00	1	02/09/2024 15:50	WG2223325
Chloromethane	U	<u>C3</u>	0.960	2.50	1	02/09/2024 15:50	WG2223325
Cyclohexane	U		0.188	1.00	1	02/09/2024 15:50	WG2223325
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/09/2024 15:50	WG2223325
1,2-Dibromoethane	U		0.126	1.00	1	02/09/2024 15:50	WG2223325
1,2-Dichlorobenzene	U		0.107	1.00	1	02/09/2024 15:50	WG2223325
1,3-Dichlorobenzene	U		0.110	1.00	1	02/09/2024 15:50	WG2223325
1,4-Dichlorobenzene	U		0.120	1.00	1	02/09/2024 15:50	WG2223325
Dichlorodifluoromethane	U		0.374	5.00	1	02/09/2024 15:50	WG2223325
1,1-Dichloroethane	U		0.100	1.00	1	02/09/2024 15:50	WG2223325
1,2-Dichloroethane	U		0.0819	1.00	1	02/09/2024 15:50	WG2223325
1,1-Dichloroethene	U		0.188	1.00	1	02/09/2024 15:50	WG2223325
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/09/2024 15:50	WG2223325
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/09/2024 15:50	WG2223325
1,2-Dichloropropane	U		0.149	1.00	1	02/09/2024 15:50	WG2223325
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/09/2024 15:50	WG2223325
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/09/2024 15:50	WG2223325
Ethylbenzene	U		0.137	1.00	1	02/09/2024 15:50	WG2223325
2-Hexanone	U	<u>C3</u>	0.787	10.0	1	02/09/2024 15:50	WG2223325
Isopropylbenzene	U		0.105	1.00	1	02/09/2024 15:50	WG2223325
2-Butanone (MEK)	U		1.19	10.0	1	02/09/2024 15:50	WG2223325
Methyl Acetate	U		1.29	20.0	1	02/09/2024 15:50	WG2223325
Methyl Cyclohexane	U		0.660	1.00	1	02/09/2024 15:50	WG2223325
Methylene Chloride	U		0.430	5.00	1	02/09/2024 15:50	WG2223325
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/09/2024 15:50	WG2223325
Methyl tert-butyl ether	0.130	<u>U</u>	0.101	1.00	1	02/09/2024 15:50	WG2223325
Styrene	U	<u>C3</u>	0.118	1.00	1	02/09/2024 15:50	WG2223325
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/09/2024 15:50	WG2223325
Tetrachloroethene	U		0.300	1.00	1	02/09/2024 15:50	WG2223325
Toluene	U		0.278	1.00	1	02/09/2024 15:50	WG2223325
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/09/2024 15:50	WG2223325
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/09/2024 15:50	WG2223325
1,1,1-Trichloroethane	U		0.149	1.00	1	02/09/2024 15:50	WG2223325
1,1,2-Trichloroethane	U		0.158	1.00	1	02/09/2024 15:50	WG2223325
Trichloroethene	U		0.190	1.00	1	02/09/2024 15:50	WG2223325
Trichlorofluoromethane	U		0.160	5.00	1	02/09/2024 15:50	WG2223325
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/09/2024 15:50	WG2223325
Vinyl chloride	U		0.234	1.00	1	02/09/2024 15:50	WG2223325
Xylenes, Total	U		0.174	3.00	1	02/09/2024 15:50	WG2223325
(S) Toluene-d8	103			80.0-120		02/09/2024 15:50	WG2223325
(S) 4-Bromofluorobenzene	89.1			77.0-126		02/09/2024 15:50	WG2223325
(S) 1,2-Dichloroethane-d4	96.7			70.0-130		02/09/2024 15:50	WG2223325



Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	908		15.0	50.0	1	02/13/2024 12:13	WG2223488

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	171000		20000	1	02/11/2024 11:10		WG2224135
Free Carbon Dioxide	ND	T8	20000	1	02/11/2024 11:10		WG2224135

Sample Narrative:

L1703309-02 WG2224135: 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	906	T8	15.0	50.0	1	02/08/2024 16:56	WG2222804

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	02/10/2024 01:26	WG2223000

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	35.0	J	25.0	50.0	1	02/08/2024 16:40	WG2222405

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	738000		37900	100000	100	02/08/2024 16:01	WG2222511
Sulfate	125000	J	59400	500000	100	02/08/2024 16:01	WG2222511

Sample Narrative:

L1703309-02 WG2222511: S04- BDL at 100x due to high Cl-/pH (11)

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)	13900		102	1000	1	02/10/2024 00:40	WG2222823

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	1810		18.0	100	1	02/13/2024 12:13	WG2223488
Manganese	61.3		0.934	10.0	1	02/13/2024 12:13	WG2223488
Sodium	532000		504	3000	1	02/13/2024 12:13	WG2223488

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	1120		2.91	10.0	1	02/12/2024 10:36	WG2222865
Ethane	11.8	J	4.07	13.0	1	02/12/2024 10:36	WG2222865

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	U		4.26	13.0	1	02/12/2024 10:36	WG2222865

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	02/09/2024 16:11	WG2223325
Benzene	2.53		0.0941	1.00	1	02/09/2024 16:11	WG2223325
Bromochloromethane	U		0.128	1.00	1	02/09/2024 16:11	WG2223325
Bromodichloromethane	U		0.136	1.00	1	02/09/2024 16:11	WG2223325
Bromoform	U		0.129	1.00	1	02/09/2024 16:11	WG2223325
Bromomethane	U		0.605	5.00	1	02/09/2024 16:11	WG2223325
Carbon disulfide	3.42		0.0962	1.00	1	02/09/2024 16:11	WG2223325
Carbon tetrachloride	U		0.128	1.00	1	02/09/2024 16:11	WG2223325
Chlorobenzene	U		0.116	1.00	1	02/09/2024 16:11	WG2223325
Chlorodibromomethane	U		0.140	1.00	1	02/09/2024 16:11	WG2223325
Chloroethane	U	C3	0.192	5.00	1	02/09/2024 16:11	WG2223325
Chloroform	U		0.111	5.00	1	02/09/2024 16:11	WG2223325
Chloromethane	U	C3	0.960	2.50	1	02/09/2024 16:11	WG2223325
Cyclohexane	U		0.188	1.00	1	02/09/2024 16:11	WG2223325
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/09/2024 16:11	WG2223325
1,2-Dibromoethane	U		0.126	1.00	1	02/09/2024 16:11	WG2223325
1,2-Dichlorobenzene	U		0.107	1.00	1	02/09/2024 16:11	WG2223325
1,3-Dichlorobenzene	U		0.110	1.00	1	02/09/2024 16:11	WG2223325
1,4-Dichlorobenzene	U		0.120	1.00	1	02/09/2024 16:11	WG2223325
Dichlorodifluoromethane	U		0.374	5.00	1	02/09/2024 16:11	WG2223325
1,1-Dichloroethane	U		0.100	1.00	1	02/09/2024 16:11	WG2223325
1,2-Dichloroethane	U		0.0819	1.00	1	02/09/2024 16:11	WG2223325
1,1-Dichloroethene	U		0.188	1.00	1	02/09/2024 16:11	WG2223325
cis-1,2-Dichloroethene	3.11		0.126	1.00	1	02/09/2024 16:11	WG2223325
trans-1,2-Dichloroethene	0.359	U	0.149	1.00	1	02/09/2024 16:11	WG2223325
1,2-Dichloropropane	U		0.149	1.00	1	02/09/2024 16:11	WG2223325
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/09/2024 16:11	WG2223325
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/09/2024 16:11	WG2223325
Ethylbenzene	0.374	U	0.137	1.00	1	02/09/2024 16:11	WG2223325
2-Hexanone	U	C3	0.787	10.0	1	02/09/2024 16:11	WG2223325
Isopropylbenzene	0.152	U	0.105	1.00	1	02/09/2024 16:11	WG2223325
2-Butanone (MEK)	U		1.19	10.0	1	02/09/2024 16:11	WG2223325
Methyl Acetate	U		1.29	20.0	1	02/09/2024 16:11	WG2223325
Methyl Cyclohexane	U		0.660	1.00	1	02/09/2024 16:11	WG2223325
Methylene Chloride	U		0.430	5.00	1	02/09/2024 16:11	WG2223325
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/09/2024 16:11	WG2223325
Methyl tert-butyl ether	17.3		0.101	1.00	1	02/09/2024 16:11	WG2223325
Styrene	U	C3	0.118	1.00	1	02/09/2024 16:11	WG2223325
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/09/2024 16:11	WG2223325
Tetrachloroethene	U		0.300	1.00	1	02/09/2024 16:11	WG2223325
Toluene	0.455	U	0.278	1.00	1	02/09/2024 16:11	WG2223325
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/09/2024 16:11	WG2223325
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/09/2024 16:11	WG2223325
1,1,1-Trichloroethane	U		0.149	1.00	1	02/09/2024 16:11	WG2223325
1,1,2-Trichloroethane	U		0.158	1.00	1	02/09/2024 16:11	WG2223325
Trichloroethene	8.51		0.190	1.00	1	02/09/2024 16:11	WG2223325
Trichlorofluoromethane	U		0.160	5.00	1	02/09/2024 16:11	WG2223325
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/09/2024 16:11	WG2223325
Vinyl chloride	1.01		0.234	1.00	1	02/09/2024 16:11	WG2223325
Xylenes, Total	0.945	U	0.174	3.00	1	02/09/2024 16:11	WG2223325
(S) Toluene-d8	105			80.0-120		02/09/2024 16:11	WG2223325

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	91.6			77.0-126		02/09/2024 16:11	WG2223325
(S) 1,2-Dichloroethane-d4	94.7			70.0-130		02/09/2024 16:11	WG2223325

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	1620		18.0	100	1	02/13/2024 12:15	WG2223488

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	621000		20000	1	02/11/2024 11:24	WG2224135	
Free Carbon Dioxide	154000	T8	20000	1	02/11/2024 11:24	WG2224135	

Sample Narrative:

L1703309-03 WG2224135: 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	17800	T8	300	1000	20	02/08/2024 16:57	WG2222804

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	02/10/2024 01:28	WG2223000

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	02/08/2024 16:41	WG2222405

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	14800000		37900	100000	100	02/08/2024 16:15	WG2222511
Sulfate	1510000		59400	500000	100	02/08/2024 16:15	WG2222511

Wet Chemistry by Method 9060A

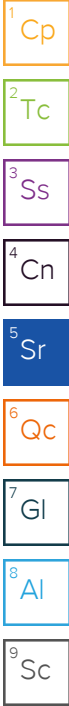
	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	8410		102	1000	1	02/10/2024 01:02	WG2222823

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	19500		18.0	100	1	02/13/2024 12:15	WG2223488
Manganese	409		0.934	10.0	1	02/13/2024 12:15	WG2223488
Sodium	8580000		10100	60000	20	02/13/2024 12:53	WG2223488

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	02/12/2024 10:52	WG2222865
Ethane	U		4.07	13.0	1	02/12/2024 10:52	WG2222865
Ethene	U		4.26	13.0	1	02/12/2024 10:52	WG2222865



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	02/09/2024 16:33	WG2223325
Benzene	U		0.0941	1.00	1	02/09/2024 16:33	WG2223325
Bromochloromethane	U		0.128	1.00	1	02/09/2024 16:33	WG2223325
Bromodichloromethane	U		0.136	1.00	1	02/09/2024 16:33	WG2223325
Bromoform	U		0.129	1.00	1	02/09/2024 16:33	WG2223325
Bromomethane	U		0.605	5.00	1	02/09/2024 16:33	WG2223325
Carbon disulfide	0.171	<u>U</u>	0.0962	1.00	1	02/09/2024 16:33	WG2223325
Carbon tetrachloride	U		0.128	1.00	1	02/09/2024 16:33	WG2223325
Chlorobenzene	U		0.116	1.00	1	02/09/2024 16:33	WG2223325
Chlorodibromomethane	U		0.140	1.00	1	02/09/2024 16:33	WG2223325
Chloroethane	U	<u>C3</u>	0.192	5.00	1	02/09/2024 16:33	WG2223325
Chloroform	U		0.111	5.00	1	02/09/2024 16:33	WG2223325
Chloromethane	U	<u>C3</u>	0.960	2.50	1	02/09/2024 16:33	WG2223325
Cyclohexane	U		0.188	1.00	1	02/09/2024 16:33	WG2223325
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/09/2024 16:33	WG2223325
1,2-Dibromoethane	U		0.126	1.00	1	02/09/2024 16:33	WG2223325
1,2-Dichlorobenzene	U		0.107	1.00	1	02/09/2024 16:33	WG2223325
1,3-Dichlorobenzene	U		0.110	1.00	1	02/09/2024 16:33	WG2223325
1,4-Dichlorobenzene	U		0.120	1.00	1	02/09/2024 16:33	WG2223325
Dichlorodifluoromethane	U		0.374	5.00	1	02/09/2024 16:33	WG2223325
1,1-Dichloroethane	U		0.100	1.00	1	02/09/2024 16:33	WG2223325
1,2-Dichloroethane	U		0.0819	1.00	1	02/09/2024 16:33	WG2223325
1,1-Dichloroethene	U		0.188	1.00	1	02/09/2024 16:33	WG2223325
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/09/2024 16:33	WG2223325
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/09/2024 16:33	WG2223325
1,2-Dichloropropane	U		0.149	1.00	1	02/09/2024 16:33	WG2223325
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/09/2024 16:33	WG2223325
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/09/2024 16:33	WG2223325
Ethylbenzene	U		0.137	1.00	1	02/09/2024 16:33	WG2223325
2-Hexanone	U	<u>C3</u>	0.787	10.0	1	02/09/2024 16:33	WG2223325
Isopropylbenzene	U		0.105	1.00	1	02/09/2024 16:33	WG2223325
2-Butanone (MEK)	U		1.19	10.0	1	02/09/2024 16:33	WG2223325
Methyl Acetate	U		1.29	20.0	1	02/09/2024 16:33	WG2223325
Methyl Cyclohexane	U		0.660	1.00	1	02/09/2024 16:33	WG2223325
Methylene Chloride	U		0.430	5.00	1	02/09/2024 16:33	WG2223325
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/09/2024 16:33	WG2223325
Methyl tert-butyl ether	U		0.101	1.00	1	02/09/2024 16:33	WG2223325
Styrene	U	<u>C3</u>	0.118	1.00	1	02/09/2024 16:33	WG2223325
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/09/2024 16:33	WG2223325
Tetrachloroethene	U		0.300	1.00	1	02/09/2024 16:33	WG2223325
Toluene	U		0.278	1.00	1	02/09/2024 16:33	WG2223325
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/09/2024 16:33	WG2223325
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/09/2024 16:33	WG2223325
1,1,1-Trichloroethane	U		0.149	1.00	1	02/09/2024 16:33	WG2223325
1,1,2-Trichloroethane	U		0.158	1.00	1	02/09/2024 16:33	WG2223325
Trichloroethene	U		0.190	1.00	1	02/09/2024 16:33	WG2223325
Trichlorofluoromethane	U		0.160	5.00	1	02/09/2024 16:33	WG2223325
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/09/2024 16:33	WG2223325
Vinyl chloride	U		0.234	1.00	1	02/09/2024 16:33	WG2223325
Xylenes, Total	U		0.174	3.00	1	02/09/2024 16:33	WG2223325
(S) Toluene-d8	98.8			80.0-120		02/09/2024 16:33	WG2223325
(S) 4-Bromofluorobenzene	90.4			77.0-126		02/09/2024 16:33	WG2223325
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		02/09/2024 16:33	WG2223325

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	02/13/2024 12:17	WG2223488

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	812000		20000	1	02/11/2024 11:29		WG2224135
Free Carbon Dioxide	71700	B T8	20000	1	02/11/2024 11:29		WG2224135

Sample Narrative:

L1703309-04 WG2224135: 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	904	T8	15.0	50.0	1	02/08/2024 16:57	WG2222804

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		250	500	5	02/10/2024 01:31	WG2223000

Sample Narrative:

L1703309-04 WG2223000: dilution due to sample matrix(Sulfide interference)

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	3860		125	250	5	02/08/2024 16:47	WG2222405

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	3370000		37900	100000	100	02/08/2024 16:42	WG2222511
Sulfate	102000		5940	50000	10	02/08/2024 16:28	WG2222511

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)	16400		102	1000	1	02/10/2024 01:27	WG2222823

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	775		18.0	100	1	02/13/2024 12:17	WG2223488
Manganese	69.8		0.934	10.0	1	02/13/2024 12:17	WG2223488
Sodium	2050000		2520	15000	5	02/13/2024 12:55	WG2223488

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	02/12/2024 10:54	WG2222865
Ethane	U		4.07	13.0	1	02/12/2024 10:54	WG2222865

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	U		4.26	13.0	1	02/12/2024 10:54	WG2222865

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	02/09/2024 16:55	WG2223325
Benzene	U		0.0941	1.00	1	02/09/2024 16:55	WG2223325
Bromochloromethane	U		0.128	1.00	1	02/09/2024 16:55	WG2223325
Bromodichloromethane	U		0.136	1.00	1	02/09/2024 16:55	WG2223325
Bromoform	U		0.129	1.00	1	02/09/2024 16:55	WG2223325
Bromomethane	U		0.605	5.00	1	02/09/2024 16:55	WG2223325
Carbon disulfide	0.138	U	0.0962	1.00	1	02/09/2024 16:55	WG2223325
Carbon tetrachloride	U		0.128	1.00	1	02/09/2024 16:55	WG2223325
Chlorobenzene	U		0.116	1.00	1	02/09/2024 16:55	WG2223325
Chlorodibromomethane	U		0.140	1.00	1	02/09/2024 16:55	WG2223325
Chloroethane	U	C3	0.192	5.00	1	02/09/2024 16:55	WG2223325
Chloroform	U		0.111	5.00	1	02/09/2024 16:55	WG2223325
Chloromethane	U	C3	0.960	2.50	1	02/09/2024 16:55	WG2223325
Cyclohexane	U		0.188	1.00	1	02/09/2024 16:55	WG2223325
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/09/2024 16:55	WG2223325
1,2-Dibromoethane	U		0.126	1.00	1	02/09/2024 16:55	WG2223325
1,2-Dichlorobenzene	U		0.107	1.00	1	02/09/2024 16:55	WG2223325
1,3-Dichlorobenzene	U		0.110	1.00	1	02/09/2024 16:55	WG2223325
1,4-Dichlorobenzene	U		0.120	1.00	1	02/09/2024 16:55	WG2223325
Dichlorodifluoromethane	U		0.374	5.00	1	02/09/2024 16:55	WG2223325
1,1-Dichloroethane	U		0.100	1.00	1	02/09/2024 16:55	WG2223325
1,2-Dichloroethane	U		0.0819	1.00	1	02/09/2024 16:55	WG2223325
1,1-Dichloroethene	U		0.188	1.00	1	02/09/2024 16:55	WG2223325
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/09/2024 16:55	WG2223325
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/09/2024 16:55	WG2223325
1,2-Dichloropropane	U		0.149	1.00	1	02/09/2024 16:55	WG2223325
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/09/2024 16:55	WG2223325
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/09/2024 16:55	WG2223325
Ethylbenzene	U		0.137	1.00	1	02/09/2024 16:55	WG2223325
2-Hexanone	U	C3	0.787	10.0	1	02/09/2024 16:55	WG2223325
Isopropylbenzene	U		0.105	1.00	1	02/09/2024 16:55	WG2223325
2-Butanone (MEK)	U		1.19	10.0	1	02/09/2024 16:55	WG2223325
Methyl Acetate	U		1.29	20.0	1	02/09/2024 16:55	WG2223325
Methyl Cyclohexane	U		0.660	1.00	1	02/09/2024 16:55	WG2223325
Methylene Chloride	U		0.430	5.00	1	02/09/2024 16:55	WG2223325
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/09/2024 16:55	WG2223325
Methyl tert-butyl ether	0.782	U	0.101	1.00	1	02/09/2024 16:55	WG2223325
Styrene	U	C3	0.118	1.00	1	02/09/2024 16:55	WG2223325
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/09/2024 16:55	WG2223325
Tetrachloroethene	U		0.300	1.00	1	02/09/2024 16:55	WG2223325
Toluene	U		0.278	1.00	1	02/09/2024 16:55	WG2223325
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/09/2024 16:55	WG2223325
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/09/2024 16:55	WG2223325
1,1,1-Trichloroethane	U		0.149	1.00	1	02/09/2024 16:55	WG2223325
1,1,2-Trichloroethane	U		0.158	1.00	1	02/09/2024 16:55	WG2223325
Trichloroethene	U		0.190	1.00	1	02/09/2024 16:55	WG2223325
Trichlorofluoromethane	U		0.160	5.00	1	02/09/2024 16:55	WG2223325
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/09/2024 16:55	WG2223325
Vinyl chloride	U		0.234	1.00	1	02/09/2024 16:55	WG2223325
Xylenes, Total	U		0.174	3.00	1	02/09/2024 16:55	WG2223325
(S) Toluene-d8	102			80.0-120		02/09/2024 16:55	WG2223325

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	89.5			77.0-126		02/09/2024 16:55	WG2223325
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		02/09/2024 16:55	WG2223325

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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	02/13/2024 12:04	WG2223488

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	421000		20000	1	02/11/2024 11:35		WG2224135
Free Carbon Dioxide	51800	B T8	20000	1	02/11/2024 11:35		WG2224135

Sample Narrative:

L1703309-05 WG2224135: 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	2180	T8	15.0	50.0	1	02/08/2024 16:58	WG2222804

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	95.0	J	50.0	100	1	02/10/2024 01:33	WG2223000

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	02/08/2024 16:47	WG2222405

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	1800000		37900	100000	100	02/08/2024 17:36	WG2222511
Sulfate	95500		5940	50000	10	02/08/2024 16:56	WG2222511

Wet Chemistry by Method 9060A

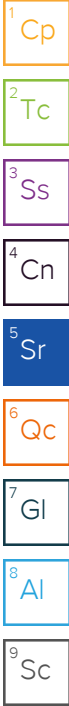
	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	9470		102	1000	1	02/10/2024 03:24	WG2222823

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	473		18.0	100	1	02/13/2024 12:04	WG2223488
Manganese	64.0		0.934	10.0	1	02/13/2024 12:04	WG2223488
Sodium	510000	V	504	3000	1	02/13/2024 12:04	WG2223488

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	02/12/2024 11:00	WG2222865
Ethane	U		4.07	13.0	1	02/12/2024 11:00	WG2222865
Ethene	U		4.26	13.0	1	02/12/2024 11:00	WG2222865



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	02/09/2024 17:16	WG2223325
Benzene	U		0.0941	1.00	1	02/09/2024 17:16	WG2223325
Bromochloromethane	U		0.128	1.00	1	02/09/2024 17:16	WG2223325
Bromodichloromethane	U		0.136	1.00	1	02/09/2024 17:16	WG2223325
Bromoform	U		0.129	1.00	1	02/09/2024 17:16	WG2223325
Bromomethane	U		0.605	5.00	1	02/09/2024 17:16	WG2223325
Carbon disulfide	0.119	<u>U</u>	0.0962	1.00	1	02/09/2024 17:16	WG2223325
Carbon tetrachloride	U		0.128	1.00	1	02/09/2024 17:16	WG2223325
Chlorobenzene	U		0.116	1.00	1	02/09/2024 17:16	WG2223325
Chlorodibromomethane	U		0.140	1.00	1	02/09/2024 17:16	WG2223325
Chloroethane	U	<u>C3</u>	0.192	5.00	1	02/09/2024 17:16	WG2223325
Chloroform	U		0.111	5.00	1	02/09/2024 17:16	WG2223325
Chloromethane	U	<u>C3</u>	0.960	2.50	1	02/09/2024 17:16	WG2223325
Cyclohexane	U		0.188	1.00	1	02/09/2024 17:16	WG2223325
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/09/2024 17:16	WG2223325
1,2-Dibromoethane	U		0.126	1.00	1	02/09/2024 17:16	WG2223325
1,2-Dichlorobenzene	U		0.107	1.00	1	02/09/2024 17:16	WG2223325
1,3-Dichlorobenzene	U		0.110	1.00	1	02/09/2024 17:16	WG2223325
1,4-Dichlorobenzene	U		0.120	1.00	1	02/09/2024 17:16	WG2223325
Dichlorodifluoromethane	U		0.374	5.00	1	02/09/2024 17:16	WG2223325
1,1-Dichloroethane	U		0.100	1.00	1	02/09/2024 17:16	WG2223325
1,2-Dichloroethane	U		0.0819	1.00	1	02/09/2024 17:16	WG2223325
1,1-Dichloroethene	U		0.188	1.00	1	02/09/2024 17:16	WG2223325
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/09/2024 17:16	WG2223325
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/09/2024 17:16	WG2223325
1,2-Dichloropropane	U		0.149	1.00	1	02/09/2024 17:16	WG2223325
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/09/2024 17:16	WG2223325
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/09/2024 17:16	WG2223325
Ethylbenzene	U		0.137	1.00	1	02/09/2024 17:16	WG2223325
2-Hexanone	U	<u>C3</u>	0.787	10.0	1	02/09/2024 17:16	WG2223325
Isopropylbenzene	U		0.105	1.00	1	02/09/2024 17:16	WG2223325
2-Butanone (MEK)	U		1.19	10.0	1	02/09/2024 17:16	WG2223325
Methyl Acetate	U		1.29	20.0	1	02/09/2024 17:16	WG2223325
Methyl Cyclohexane	U		0.660	1.00	1	02/09/2024 17:16	WG2223325
Methylene Chloride	U		0.430	5.00	1	02/09/2024 17:16	WG2223325
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/09/2024 17:16	WG2223325
Methyl tert-butyl ether	0.361	<u>U</u>	0.101	1.00	1	02/09/2024 17:16	WG2223325
Styrene	U	<u>C3</u>	0.118	1.00	1	02/09/2024 17:16	WG2223325
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/09/2024 17:16	WG2223325
Tetrachloroethene	U		0.300	1.00	1	02/09/2024 17:16	WG2223325
Toluene	U		0.278	1.00	1	02/09/2024 17:16	WG2223325
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/09/2024 17:16	WG2223325
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/09/2024 17:16	WG2223325
1,1,1-Trichloroethane	U		0.149	1.00	1	02/09/2024 17:16	WG2223325
1,1,2-Trichloroethane	U		0.158	1.00	1	02/09/2024 17:16	WG2223325
Trichloroethene	U		0.190	1.00	1	02/09/2024 17:16	WG2223325
Trichlorofluoromethane	U		0.160	5.00	1	02/09/2024 17:16	WG2223325
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/09/2024 17:16	WG2223325
Vinyl chloride	U		0.234	1.00	1	02/09/2024 17:16	WG2223325
Xylenes, Total	U		0.174	3.00	1	02/09/2024 17:16	WG2223325
(S) Toluene-d8	103			80.0-120		02/09/2024 17:16	WG2223325
(S) 4-Bromofluorobenzene	86.8			77.0-126		02/09/2024 17:16	WG2223325
(S) 1,2-Dichloroethane-d4	98.7			70.0-130		02/09/2024 17:16	WG2223325

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	830		15.0	50.0	1	02/13/2024 12:26	WG2223488

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	32500		20000	1	02/11/2024 11:40		WG2224135
Free Carbon Dioxide	ND	T8	20000	1	02/11/2024 11:40		WG2224135

Sample Narrative:

L1703309-06 WG2224135: 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	U	T8	15.0	50.0	1	02/08/2024 16:58	WG2222804

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	102		50.0	100	1	02/10/2024 01:51	WG2223000

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	02/08/2024 16:48	WG2222405

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	78300		379	1000	1	02/08/2024 17:49	WG2222511
Sulfate	1840	J	594	5000	1	02/08/2024 17:49	WG2222511

Wet Chemistry by Method 9060A

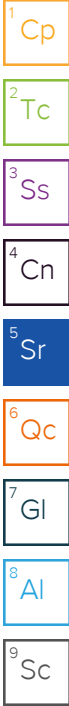
	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	533	B J	102	1000	1	02/10/2024 03:43	WG2222823

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	830		18.0	100	1	02/13/2024 12:26	WG2223488
Manganese	32.1		0.934	10.0	1	02/13/2024 12:26	WG2223488
Sodium	48000		504	3000	1	02/13/2024 12:26	WG2223488

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	02/12/2024 11:06	WG2222865
Ethane	U		4.07	13.0	1	02/12/2024 11:06	WG2222865
Ethene	U		4.26	13.0	1	02/12/2024 11:06	WG2222865



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	02/09/2024 17:38	WG2223325
Benzene	U		0.0941	1.00	1	02/09/2024 17:38	WG2223325
Bromochloromethane	U		0.128	1.00	1	02/09/2024 17:38	WG2223325
Bromodichloromethane	U		0.136	1.00	1	02/09/2024 17:38	WG2223325
Bromoform	U		0.129	1.00	1	02/09/2024 17:38	WG2223325
Bromomethane	U		0.605	5.00	1	02/09/2024 17:38	WG2223325
Carbon disulfide	U		0.0962	1.00	1	02/09/2024 17:38	WG2223325
Carbon tetrachloride	U		0.128	1.00	1	02/09/2024 17:38	WG2223325
Chlorobenzene	U		0.116	1.00	1	02/09/2024 17:38	WG2223325
Chlorodibromomethane	U		0.140	1.00	1	02/09/2024 17:38	WG2223325
Chloroethane	U	C3	0.192	5.00	1	02/09/2024 17:38	WG2223325
Chloroform	U		0.111	5.00	1	02/09/2024 17:38	WG2223325
Chloromethane	U	C3	0.960	2.50	1	02/09/2024 17:38	WG2223325
Cyclohexane	U		0.188	1.00	1	02/09/2024 17:38	WG2223325
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/09/2024 17:38	WG2223325
1,2-Dibromoethane	U		0.126	1.00	1	02/09/2024 17:38	WG2223325
1,2-Dichlorobenzene	U		0.107	1.00	1	02/09/2024 17:38	WG2223325
1,3-Dichlorobenzene	U		0.110	1.00	1	02/09/2024 17:38	WG2223325
1,4-Dichlorobenzene	U		0.120	1.00	1	02/09/2024 17:38	WG2223325
Dichlorodifluoromethane	U		0.374	5.00	1	02/09/2024 17:38	WG2223325
1,1-Dichloroethane	U		0.100	1.00	1	02/09/2024 17:38	WG2223325
1,2-Dichloroethane	U		0.0819	1.00	1	02/09/2024 17:38	WG2223325
1,1-Dichloroethene	U		0.188	1.00	1	02/09/2024 17:38	WG2223325
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/09/2024 17:38	WG2223325
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/09/2024 17:38	WG2223325
1,2-Dichloropropane	U		0.149	1.00	1	02/09/2024 17:38	WG2223325
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/09/2024 17:38	WG2223325
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/09/2024 17:38	WG2223325
Ethylbenzene	U		0.137	1.00	1	02/09/2024 17:38	WG2223325
2-Hexanone	U	C3	0.787	10.0	1	02/09/2024 17:38	WG2223325
Isopropylbenzene	U		0.105	1.00	1	02/09/2024 17:38	WG2223325
2-Butanone (MEK)	U		1.19	10.0	1	02/09/2024 17:38	WG2223325
Methyl Acetate	U		1.29	20.0	1	02/09/2024 17:38	WG2223325
Methyl Cyclohexane	U		0.660	1.00	1	02/09/2024 17:38	WG2223325
Methylene Chloride	U		0.430	5.00	1	02/09/2024 17:38	WG2223325
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/09/2024 17:38	WG2223325
Methyl tert-butyl ether	U		0.101	1.00	1	02/09/2024 17:38	WG2223325
Styrene	U	C3	0.118	1.00	1	02/09/2024 17:38	WG2223325
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/09/2024 17:38	WG2223325
Tetrachloroethene	U		0.300	1.00	1	02/09/2024 17:38	WG2223325
Toluene	U		0.278	1.00	1	02/09/2024 17:38	WG2223325
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/09/2024 17:38	WG2223325
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/09/2024 17:38	WG2223325
1,1,1-Trichloroethane	U		0.149	1.00	1	02/09/2024 17:38	WG2223325
1,1,2-Trichloroethane	U		0.158	1.00	1	02/09/2024 17:38	WG2223325
Trichloroethene	3.65		0.190	1.00	1	02/09/2024 17:38	WG2223325
Trichlorofluoromethane	U		0.160	5.00	1	02/09/2024 17:38	WG2223325
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/09/2024 17:38	WG2223325
Vinyl chloride	U		0.234	1.00	1	02/09/2024 17:38	WG2223325
Xylenes, Total	U		0.174	3.00	1	02/09/2024 17:38	WG2223325
(S) Toluene-d8	100			80.0-120		02/09/2024 17:38	WG2223325
(S) 4-Bromofluorobenzene	88.9			77.0-126		02/09/2024 17:38	WG2223325
(S) 1,2-Dichloroethane-d4	97.9			70.0-130		02/09/2024 17:38	WG2223325

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	235		15.0	50.0	1	02/13/2024 12:28	WG2223488

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	522000		20000	1	02/11/2024 11:45		WG2224135
Free Carbon Dioxide	ND	T8	20000	1	02/11/2024 11:45		WG2224135

Sample Narrative:

L1703309-07 WG2224135: 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	257	T8	15.0	50.0	1	02/08/2024 17:00	WG2222804

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	230		100	200	2	02/10/2024 01:53	WG2223000

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	917		25.0	50.0	1	02/08/2024 16:48	WG2222405

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	1950000		37900	100000	100	02/08/2024 18:02	WG2222511
Sulfate	107000	J	59400	500000	100	02/08/2024 18:02	WG2222511

Sample Narrative:

L1703309-07 WG2222511: SO4- BDL at 100x due to matrix/odor/high Cl-

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)	19100		102	1000	1	02/10/2024 04:08	WG2222823

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	492		18.0	100	1	02/13/2024 12:28	WG2223488
Manganese	13.6		0.934	10.0	1	02/13/2024 12:28	WG2223488
Sodium	584000		504	3000	1	02/13/2024 12:28	WG2223488

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	02/12/2024 11:09	WG2222865
Ethane	U		4.07	13.0	1	02/12/2024 11:09	WG2222865

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	U		4.26	13.0	1	02/12/2024 11:09	WG2222865

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	02/09/2024 18:00	WG2223325
Benzene	U		0.0941	1.00	1	02/09/2024 18:00	WG2223325
Bromochloromethane	U		0.128	1.00	1	02/09/2024 18:00	WG2223325
Bromodichloromethane	U		0.136	1.00	1	02/09/2024 18:00	WG2223325
Bromoform	U		0.129	1.00	1	02/09/2024 18:00	WG2223325
Bromomethane	U		0.605	5.00	1	02/09/2024 18:00	WG2223325
Carbon disulfide	0.106	U	0.0962	1.00	1	02/09/2024 18:00	WG2223325
Carbon tetrachloride	U		0.128	1.00	1	02/09/2024 18:00	WG2223325
Chlorobenzene	U		0.116	1.00	1	02/09/2024 18:00	WG2223325
Chlorodibromomethane	U		0.140	1.00	1	02/09/2024 18:00	WG2223325
Chloroethane	U	C3	0.192	5.00	1	02/09/2024 18:00	WG2223325
Chloroform	U		0.111	5.00	1	02/09/2024 18:00	WG2223325
Chloromethane	U	C3	0.960	2.50	1	02/09/2024 18:00	WG2223325
Cyclohexane	U		0.188	1.00	1	02/09/2024 18:00	WG2223325
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/09/2024 18:00	WG2223325
1,2-Dibromoethane	U		0.126	1.00	1	02/09/2024 18:00	WG2223325
1,2-Dichlorobenzene	U		0.107	1.00	1	02/09/2024 18:00	WG2223325
1,3-Dichlorobenzene	U		0.110	1.00	1	02/09/2024 18:00	WG2223325
1,4-Dichlorobenzene	U		0.120	1.00	1	02/09/2024 18:00	WG2223325
Dichlorodifluoromethane	U		0.374	5.00	1	02/09/2024 18:00	WG2223325
1,1-Dichloroethane	U		0.100	1.00	1	02/09/2024 18:00	WG2223325
1,2-Dichloroethane	U		0.0819	1.00	1	02/09/2024 18:00	WG2223325
1,1-Dichloroethene	U		0.188	1.00	1	02/09/2024 18:00	WG2223325
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/09/2024 18:00	WG2223325
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/09/2024 18:00	WG2223325
1,2-Dichloropropane	U		0.149	1.00	1	02/09/2024 18:00	WG2223325
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/09/2024 18:00	WG2223325
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/09/2024 18:00	WG2223325
Ethylbenzene	U		0.137	1.00	1	02/09/2024 18:00	WG2223325
2-Hexanone	U	C3	0.787	10.0	1	02/09/2024 18:00	WG2223325
Isopropylbenzene	U		0.105	1.00	1	02/09/2024 18:00	WG2223325
2-Butanone (MEK)	U		1.19	10.0	1	02/09/2024 18:00	WG2223325
Methyl Acetate	U		1.29	20.0	1	02/09/2024 18:00	WG2223325
Methyl Cyclohexane	U		0.660	1.00	1	02/09/2024 18:00	WG2223325
Methylene Chloride	U		0.430	5.00	1	02/09/2024 18:00	WG2223325
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/09/2024 18:00	WG2223325
Methyl tert-butyl ether	0.915	U	0.101	1.00	1	02/09/2024 18:00	WG2223325
Styrene	U	C3	0.118	1.00	1	02/09/2024 18:00	WG2223325
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/09/2024 18:00	WG2223325
Tetrachloroethene	U		0.300	1.00	1	02/09/2024 18:00	WG2223325
Toluene	U		0.278	1.00	1	02/09/2024 18:00	WG2223325
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/09/2024 18:00	WG2223325
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/09/2024 18:00	WG2223325
1,1,1-Trichloroethane	U		0.149	1.00	1	02/09/2024 18:00	WG2223325
1,1,2-Trichloroethane	U		0.158	1.00	1	02/09/2024 18:00	WG2223325
Trichloroethene	U		0.190	1.00	1	02/09/2024 18:00	WG2223325
Trichlorofluoromethane	U		0.160	5.00	1	02/09/2024 18:00	WG2223325
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/09/2024 18:00	WG2223325
Vinyl chloride	U		0.234	1.00	1	02/09/2024 18:00	WG2223325
Xylenes, Total	U		0.174	3.00	1	02/09/2024 18:00	WG2223325
(S) Toluene-d8	101			80.0-120		02/09/2024 18:00	WG2223325

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	87.9			77.0-126		02/09/2024 18:00	WG2223325
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		02/09/2024 18:00	WG2223325

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	90.1		15.0	50.0	1	02/13/2024 12:37	WG2223488

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	599000		20000	1	02/11/2024 12:03		WG2224135
Free Carbon Dioxide	75300	B T8	20000	1	02/11/2024 12:03		WG2224135

Sample Narrative:

L1703309-08 WG2224135: 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	698	T8	15.0	50.0	1	02/08/2024 17:00	WG2222804

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	114	J	100	200	2	02/10/2024 01:55	WG2223000

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	55.0		25.0	50.0	1	02/08/2024 16:48	WG2222405

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	3440000		37900	100000	100	02/08/2024 18:15	WG2222511
Sulfate	237000	J	59400	500000	100	02/08/2024 18:15	WG2222511

Sample Narrative:

L1703309-08 WG2222511: S04- BDL at 100x due to matrix/high Cl-

Wet Chemistry by Method 9060A

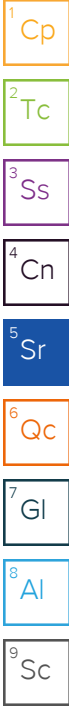
	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	13800		102	1000	1	02/10/2024 04:32	WG2222823

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	788		18.0	100	1	02/13/2024 12:37	WG2223488
Manganese	49.0		0.934	10.0	1	02/13/2024 12:37	WG2223488
Sodium	2010000		2520	15000	5	02/13/2024 12:57	WG2223488

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	324		2.91	10.0	1	02/12/2024 11:12	WG2222865
Ethane	U		4.07	13.0	1	02/12/2024 11:12	WG2222865



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	U		4.26	13.0	1	02/12/2024 11:12	WG2222865

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	02/09/2024 18:22	WG2223325
Benzene	0.702	U	0.0941	1.00	1	02/09/2024 18:22	WG2223325
Bromochloromethane	U		0.128	1.00	1	02/09/2024 18:22	WG2223325
Bromodichloromethane	U		0.136	1.00	1	02/09/2024 18:22	WG2223325
Bromoform	U		0.129	1.00	1	02/09/2024 18:22	WG2223325
Bromomethane	U		0.605	5.00	1	02/09/2024 18:22	WG2223325
Carbon disulfide	0.241	U	0.0962	1.00	1	02/09/2024 18:22	WG2223325
Carbon tetrachloride	U		0.128	1.00	1	02/09/2024 18:22	WG2223325
Chlorobenzene	U		0.116	1.00	1	02/09/2024 18:22	WG2223325
Chlorodibromomethane	U		0.140	1.00	1	02/09/2024 18:22	WG2223325
Chloroethane	U	C3	0.192	5.00	1	02/09/2024 18:22	WG2223325
Chloroform	U		0.111	5.00	1	02/09/2024 18:22	WG2223325
Chloromethane	U	C3	0.960	2.50	1	02/09/2024 18:22	WG2223325
Cyclohexane	U		0.188	1.00	1	02/09/2024 18:22	WG2223325
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/09/2024 18:22	WG2223325
1,2-Dibromoethane	U		0.126	1.00	1	02/09/2024 18:22	WG2223325
1,2-Dichlorobenzene	U		0.107	1.00	1	02/09/2024 18:22	WG2223325
1,3-Dichlorobenzene	U		0.110	1.00	1	02/09/2024 18:22	WG2223325
1,4-Dichlorobenzene	U		0.120	1.00	1	02/09/2024 18:22	WG2223325
Dichlorodifluoromethane	U		0.374	5.00	1	02/09/2024 18:22	WG2223325
1,1-Dichloroethane	0.133	U	0.100	1.00	1	02/09/2024 18:22	WG2223325
1,2-Dichloroethane	U		0.0819	1.00	1	02/09/2024 18:22	WG2223325
1,1-Dichloroethene	U		0.188	1.00	1	02/09/2024 18:22	WG2223325
cis-1,2-Dichloroethene	0.224	U	0.126	1.00	1	02/09/2024 18:22	WG2223325
trans-1,2-Dichloroethene	0.365	U	0.149	1.00	1	02/09/2024 18:22	WG2223325
1,2-Dichloropropane	U		0.149	1.00	1	02/09/2024 18:22	WG2223325
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/09/2024 18:22	WG2223325
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/09/2024 18:22	WG2223325
Ethylbenzene	U		0.137	1.00	1	02/09/2024 18:22	WG2223325
2-Hexanone	U	C3	0.787	10.0	1	02/09/2024 18:22	WG2223325
Isopropylbenzene	U		0.105	1.00	1	02/09/2024 18:22	WG2223325
2-Butanone (MEK)	U		1.19	10.0	1	02/09/2024 18:22	WG2223325
Methyl Acetate	U		1.29	20.0	1	02/09/2024 18:22	WG2223325
Methyl Cyclohexane	U		0.660	1.00	1	02/09/2024 18:22	WG2223325
Methylene Chloride	U		0.430	5.00	1	02/09/2024 18:22	WG2223325
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/09/2024 18:22	WG2223325
Methyl tert-butyl ether	8.11		0.101	1.00	1	02/09/2024 18:22	WG2223325
Styrene	U	C3	0.118	1.00	1	02/09/2024 18:22	WG2223325
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/09/2024 18:22	WG2223325
Tetrachloroethene	U		0.300	1.00	1	02/09/2024 18:22	WG2223325
Toluene	U		0.278	1.00	1	02/09/2024 18:22	WG2223325
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/09/2024 18:22	WG2223325
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/09/2024 18:22	WG2223325
1,1,1-Trichloroethane	U		0.149	1.00	1	02/09/2024 18:22	WG2223325
1,1,2-Trichloroethane	U		0.158	1.00	1	02/09/2024 18:22	WG2223325
Trichloroethene	U		0.190	1.00	1	02/09/2024 18:22	WG2223325
Trichlorofluoromethane	U		0.160	5.00	1	02/09/2024 18:22	WG2223325
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/09/2024 18:22	WG2223325
Vinyl chloride	U		0.234	1.00	1	02/09/2024 18:22	WG2223325
Xylenes, Total	U		0.174	3.00	1	02/09/2024 18:22	WG2223325
(S) Toluene-d8	102			80.0-120		02/09/2024 18:22	WG2223325

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	90.6			77.0-126		02/09/2024 18:22	WG2223325
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		02/09/2024 18:22	WG2223325

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	669		15.0	50.0	1	02/13/2024 12:38	WG2223488

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	280000		20000	1	02/11/2024 12:08	WG2224135	
Free Carbon Dioxide	22200	B T8	20000	1	02/11/2024 12:08	WG2224135	

Sample Narrative:

L1703309-09 WG2224135: 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	363	T8	15.0	50.0	1	02/08/2024 17:00	WG2222804

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	268	J	250	500	5	02/10/2024 01:57	WG2223000

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	237		25.0	50.0	1	02/08/2024 16:49	WG2222405

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	1250000		37900	100000	100	02/08/2024 18:28	WG2222511
Sulfate	133000	J	59400	500000	100	02/08/2024 18:28	WG2222511

Sample Narrative:

L1703309-09 WG2222511: S04- BDL at 100x due to matrix/odor/high Cl-

Wet Chemistry by Method 9060A

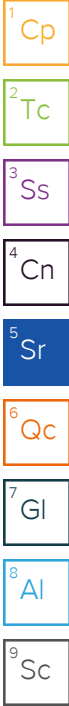
	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	41700		102	1000	1	02/10/2024 05:00	WG2222823

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	1030		18.0	100	1	02/13/2024 12:38	WG2223488
Manganese	19.7		0.934	10.0	1	02/13/2024 12:38	WG2223488
Sodium	942000		504	3000	1	02/13/2024 12:38	WG2223488

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	4260		2.91	10.0	1	02/12/2024 11:26	WG2222865
Ethane	269		4.07	13.0	1	02/12/2024 11:26	WG2222865



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	U		4.26	13.0	1	02/12/2024 11:26	WG2222865

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	02/09/2024 18:43	WG2223325
Benzene	4.04		0.0941	1.00	1	02/09/2024 18:43	WG2223325
Bromochloromethane	U		0.128	1.00	1	02/09/2024 18:43	WG2223325
Bromodichloromethane	U		0.136	1.00	1	02/09/2024 18:43	WG2223325
Bromoform	U		0.129	1.00	1	02/09/2024 18:43	WG2223325
Bromomethane	U		0.605	5.00	1	02/09/2024 18:43	WG2223325
Carbon disulfide	0.626	U	0.0962	1.00	1	02/09/2024 18:43	WG2223325
Carbon tetrachloride	U		0.128	1.00	1	02/09/2024 18:43	WG2223325
Chlorobenzene	U		0.116	1.00	1	02/09/2024 18:43	WG2223325
Chlorodibromomethane	U		0.140	1.00	1	02/09/2024 18:43	WG2223325
Chloroethane	U	C3	0.192	5.00	1	02/09/2024 18:43	WG2223325
Chloroform	U		0.111	5.00	1	02/09/2024 18:43	WG2223325
Chloromethane	U	C3	0.960	2.50	1	02/09/2024 18:43	WG2223325
Cyclohexane	0.699	U	0.188	1.00	1	02/09/2024 18:43	WG2223325
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/09/2024 18:43	WG2223325
1,2-Dibromoethane	U		0.126	1.00	1	02/09/2024 18:43	WG2223325
1,2-Dichlorobenzene	U		0.107	1.00	1	02/09/2024 18:43	WG2223325
1,3-Dichlorobenzene	U		0.110	1.00	1	02/09/2024 18:43	WG2223325
1,4-Dichlorobenzene	U		0.120	1.00	1	02/09/2024 18:43	WG2223325
Dichlorodifluoromethane	U		0.374	5.00	1	02/09/2024 18:43	WG2223325
1,1-Dichloroethane	0.300	U	0.100	1.00	1	02/09/2024 18:43	WG2223325
1,2-Dichloroethane	U		0.0819	1.00	1	02/09/2024 18:43	WG2223325
1,1-Dichloroethene	U		0.188	1.00	1	02/09/2024 18:43	WG2223325
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/09/2024 18:43	WG2223325
trans-1,2-Dichloroethene	4.00		0.149	1.00	1	02/09/2024 18:43	WG2223325
1,2-Dichloropropane	U		0.149	1.00	1	02/09/2024 18:43	WG2223325
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/09/2024 18:43	WG2223325
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/09/2024 18:43	WG2223325
Ethylbenzene	3.50		0.137	1.00	1	02/09/2024 18:43	WG2223325
2-Hexanone	U	C3	0.787	10.0	1	02/09/2024 18:43	WG2223325
Isopropylbenzene	0.570	U	0.105	1.00	1	02/09/2024 18:43	WG2223325
2-Butanone (MEK)	U		1.19	10.0	1	02/09/2024 18:43	WG2223325
Methyl Acetate	U		1.29	20.0	1	02/09/2024 18:43	WG2223325
Methyl Cyclohexane	0.903	U	0.660	1.00	1	02/09/2024 18:43	WG2223325
Methylene Chloride	U		0.430	5.00	1	02/09/2024 18:43	WG2223325
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/09/2024 18:43	WG2223325
Methyl tert-butyl ether	119		0.101	1.00	1	02/09/2024 18:43	WG2223325
Styrene	U	C3	0.118	1.00	1	02/09/2024 18:43	WG2223325
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/09/2024 18:43	WG2223325
Tetrachloroethene	U		0.300	1.00	1	02/09/2024 18:43	WG2223325
Toluene	U		0.278	1.00	1	02/09/2024 18:43	WG2223325
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/09/2024 18:43	WG2223325
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/09/2024 18:43	WG2223325
1,1,1-Trichloroethane	U		0.149	1.00	1	02/09/2024 18:43	WG2223325
1,1,2-Trichloroethane	U		0.158	1.00	1	02/09/2024 18:43	WG2223325
Trichloroethene	U		0.190	1.00	1	02/09/2024 18:43	WG2223325
Trichlorofluoromethane	U		0.160	5.00	1	02/09/2024 18:43	WG2223325
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/09/2024 18:43	WG2223325
Vinyl chloride	0.253	U	0.234	1.00	1	02/09/2024 18:43	WG2223325
Xylenes, Total	0.201	U	0.174	3.00	1	02/09/2024 18:43	WG2223325
(S) Toluene-d8	98.1			80.0-120		02/09/2024 18:43	WG2223325

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	89.4			77.0-126		02/09/2024 18:43	WG2223325
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		02/09/2024 18:43	WG2223325

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		15.0	50.0	1	02/13/2024 12:40	WG2223488

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	U		20000	1	02/11/2024 12:12	WG2224135	
Free Carbon Dioxide	ND	T8	20000	1	02/11/2024 12:12	WG2224135	

Sample Narrative:

L1703309-10 WG2224135: 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	02/08/2024 17:01	WG2222804

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	02/10/2024 02:00	WG2223000

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	02/08/2024 16:52	WG2222405

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	U		379	1000	1	02/08/2024 18:41	WG2222511
Sulfate	U		594	5000	1	02/08/2024 18:41	WG2222511

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	257	B J	102	1000	1	02/10/2024 05:19	WG2222823

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	U		18.0	100	1	02/13/2024 12:40	WG2223488
Manganese	U		0.934	10.0	1	02/13/2024 12:40	WG2223488
Sodium	506	J	504	3000	1	02/13/2024 12:40	WG2223488

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	113		2.91	10.0	1	02/12/2024 11:31	WG2222865
Ethane	U		4.07	13.0	1	02/12/2024 11:31	WG2222865
Ethene	U		4.26	13.0	1	02/12/2024 11:31	WG2222865

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	02/09/2024 13:39	WG2223325
Benzene	U		0.0941	1.00	1	02/09/2024 13:39	WG2223325
Bromochloromethane	U		0.128	1.00	1	02/09/2024 13:39	WG2223325
Bromodichloromethane	U		0.136	1.00	1	02/09/2024 13:39	WG2223325
Bromoform	U		0.129	1.00	1	02/09/2024 13:39	WG2223325
Bromomethane	U		0.605	5.00	1	02/09/2024 13:39	WG2223325
Carbon disulfide	U		0.0962	1.00	1	02/09/2024 13:39	WG2223325
Carbon tetrachloride	U		0.128	1.00	1	02/09/2024 13:39	WG2223325
Chlorobenzene	U		0.116	1.00	1	02/09/2024 13:39	WG2223325
Chlorodibromomethane	U		0.140	1.00	1	02/09/2024 13:39	WG2223325
Chloroethane	U	C3	0.192	5.00	1	02/09/2024 13:39	WG2223325
Chloroform	0.291	U	0.111	5.00	1	02/09/2024 13:39	WG2223325
Chloromethane	U	C3	0.960	2.50	1	02/09/2024 13:39	WG2223325
Cyclohexane	U		0.188	1.00	1	02/09/2024 13:39	WG2223325
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/09/2024 13:39	WG2223325
1,2-Dibromoethane	U		0.126	1.00	1	02/09/2024 13:39	WG2223325
1,2-Dichlorobenzene	U		0.107	1.00	1	02/09/2024 13:39	WG2223325
1,3-Dichlorobenzene	U		0.110	1.00	1	02/09/2024 13:39	WG2223325
1,4-Dichlorobenzene	U		0.120	1.00	1	02/09/2024 13:39	WG2223325
Dichlorodifluoromethane	U		0.374	5.00	1	02/09/2024 13:39	WG2223325
1,1-Dichloroethane	U		0.100	1.00	1	02/09/2024 13:39	WG2223325
1,2-Dichloroethane	U		0.0819	1.00	1	02/09/2024 13:39	WG2223325
1,1-Dichloroethene	U		0.188	1.00	1	02/09/2024 13:39	WG2223325
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/09/2024 13:39	WG2223325
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/09/2024 13:39	WG2223325
1,2-Dichloropropane	U		0.149	1.00	1	02/09/2024 13:39	WG2223325
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/09/2024 13:39	WG2223325
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/09/2024 13:39	WG2223325
Ethylbenzene	U		0.137	1.00	1	02/09/2024 13:39	WG2223325
2-Hexanone	U	C3	0.787	10.0	1	02/09/2024 13:39	WG2223325
Isopropylbenzene	U		0.105	1.00	1	02/09/2024 13:39	WG2223325
2-Butanone (MEK)	U		1.19	10.0	1	02/09/2024 13:39	WG2223325
Methyl Acetate	U		1.29	20.0	1	02/09/2024 13:39	WG2223325
Methyl Cyclohexane	U		0.660	1.00	1	02/09/2024 13:39	WG2223325
Methylene Chloride	U		0.430	5.00	1	02/09/2024 13:39	WG2223325
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/09/2024 13:39	WG2223325
Methyl tert-butyl ether	U		0.101	1.00	1	02/09/2024 13:39	WG2223325
Styrene	U	C3	0.118	1.00	1	02/09/2024 13:39	WG2223325
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/09/2024 13:39	WG2223325
Tetrachloroethene	U		0.300	1.00	1	02/09/2024 13:39	WG2223325
Toluene	U		0.278	1.00	1	02/09/2024 13:39	WG2223325
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/09/2024 13:39	WG2223325
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/09/2024 13:39	WG2223325
1,1,1-Trichloroethane	U		0.149	1.00	1	02/09/2024 13:39	WG2223325
1,1,2-Trichloroethane	U		0.158	1.00	1	02/09/2024 13:39	WG2223325
Trichloroethene	U		0.190	1.00	1	02/09/2024 13:39	WG2223325
Trichlorofluoromethane	U		0.160	5.00	1	02/09/2024 13:39	WG2223325
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/09/2024 13:39	WG2223325
Vinyl chloride	U		0.234	1.00	1	02/09/2024 13:39	WG2223325
Xylenes, Total	U		0.174	3.00	1	02/09/2024 13:39	WG2223325
(S) Toluene-d8	103			80.0-120		02/09/2024 13:39	WG2223325
(S) 4-Bromofluorobenzene	88.8			77.0-126		02/09/2024 13:39	WG2223325
(S) 1,2-Dichloroethane-d4	99.4			70.0-130		02/09/2024 13:39	WG2223325

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

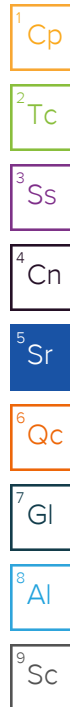
7 Gl

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	02/09/2024 12:56	WG2223325
Benzene	U		0.0941	1.00	1	02/09/2024 12:56	WG2223325
Bromochloromethane	U		0.128	1.00	1	02/09/2024 12:56	WG2223325
Bromodichloromethane	U		0.136	1.00	1	02/09/2024 12:56	WG2223325
Bromoform	U		0.129	1.00	1	02/09/2024 12:56	WG2223325
Bromomethane	U		0.605	5.00	1	02/09/2024 12:56	WG2223325
Carbon disulfide	0.264	J	0.0962	1.00	1	02/09/2024 12:56	WG2223325
Carbon tetrachloride	U		0.128	1.00	1	02/09/2024 12:56	WG2223325
Chlorobenzene	U		0.116	1.00	1	02/09/2024 12:56	WG2223325
Chlorodibromomethane	U		0.140	1.00	1	02/09/2024 12:56	WG2223325
Chloroethane	U	C3	0.192	5.00	1	02/09/2024 12:56	WG2223325
Chloroform	0.253	J	0.111	5.00	1	02/09/2024 12:56	WG2223325
Chloromethane	U	C3	0.960	2.50	1	02/09/2024 12:56	WG2223325
Cyclohexane	U		0.188	1.00	1	02/09/2024 12:56	WG2223325
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/09/2024 12:56	WG2223325
1,2-Dibromoethane	U		0.126	1.00	1	02/09/2024 12:56	WG2223325
1,2-Dichlorobenzene	U		0.107	1.00	1	02/09/2024 12:56	WG2223325
1,3-Dichlorobenzene	U		0.110	1.00	1	02/09/2024 12:56	WG2223325
1,4-Dichlorobenzene	U		0.120	1.00	1	02/09/2024 12:56	WG2223325
Dichlorodifluoromethane	U		0.374	5.00	1	02/09/2024 12:56	WG2223325
1,1-Dichloroethane	U		0.100	1.00	1	02/09/2024 12:56	WG2223325
1,2-Dichloroethane	U		0.0819	1.00	1	02/09/2024 12:56	WG2223325
1,1-Dichloroethene	U		0.188	1.00	1	02/09/2024 12:56	WG2223325
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/09/2024 12:56	WG2223325
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/09/2024 12:56	WG2223325
1,2-Dichloropropane	U		0.149	1.00	1	02/09/2024 12:56	WG2223325
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/09/2024 12:56	WG2223325
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/09/2024 12:56	WG2223325
Ethylbenzene	U		0.137	1.00	1	02/09/2024 12:56	WG2223325
2-Hexanone	U	C3	0.787	10.0	1	02/09/2024 12:56	WG2223325
Isopropylbenzene	U		0.105	1.00	1	02/09/2024 12:56	WG2223325
2-Butanone (MEK)	U		1.19	10.0	1	02/09/2024 12:56	WG2223325
Methyl Acetate	U		1.29	20.0	1	02/09/2024 12:56	WG2223325
Methyl Cyclohexane	U		0.660	1.00	1	02/09/2024 12:56	WG2223325
Methylene Chloride	U		0.430	5.00	1	02/09/2024 12:56	WG2223325
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/09/2024 12:56	WG2223325
Methyl tert-butyl ether	U		0.101	1.00	1	02/09/2024 12:56	WG2223325
Styrene	U	C3	0.118	1.00	1	02/09/2024 12:56	WG2223325
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/09/2024 12:56	WG2223325
Tetrachloroethene	U		0.300	1.00	1	02/09/2024 12:56	WG2223325
Toluene	U		0.278	1.00	1	02/09/2024 12:56	WG2223325
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/09/2024 12:56	WG2223325
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/09/2024 12:56	WG2223325
1,1,1-Trichloroethane	U		0.149	1.00	1	02/09/2024 12:56	WG2223325
1,1,2-Trichloroethane	U		0.158	1.00	1	02/09/2024 12:56	WG2223325
Trichloroethene	U		0.190	1.00	1	02/09/2024 12:56	WG2223325
Trichlorofluoromethane	U		0.160	5.00	1	02/09/2024 12:56	WG2223325
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/09/2024 12:56	WG2223325
Vinyl chloride	U		0.234	1.00	1	02/09/2024 12:56	WG2223325
Xylenes, Total	U		0.174	3.00	1	02/09/2024 12:56	WG2223325
(S) Toluene-d8	103			80.0-120		02/09/2024 12:56	WG2223325
(S) 4-Bromofluorobenzene	88.8			77.0-126		02/09/2024 12:56	WG2223325
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/09/2024 12:56	WG2223325



Method Blank (MB)

(MB) R4032371-2 02/11/24 10:34

	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) R4032371-3 02/11/24 10:34

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Free Carbon Dioxide	11600	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1703309-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1703309-01 02/11/24 11:00 • (DUP) R4032371-4 02/11/24 11:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	315000	317000	1	0.587		20

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

L1703309-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1703309-01 02/11/24 11:00 • (DUP) R4032371-5 02/11/24 11:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	116000	110000	1	5.68		20

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1703436-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1703436-14 02/11/24 12:47 • (DUP) R4032371-6 02/11/24 12:53

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	190000	192000	1	1.27		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1703436-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1703436-14 02/11/24 12:47 • (DUP) R4032371-7 02/11/24 12:53

	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	2.84		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R4032371-1 02/11/24 10:27

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	ug/l	ug/l	%	%	
Alkalinity	100000	103000	103	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R4031604-1 02/08/24 16:50

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

L1703508-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1703508-02 02/08/24 17:13 • (DUP) R4031604-5 02/08/24 17:13

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	290	303	1	4.38		20

L1703508-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1703508-03 02/08/24 17:13 • (DUP) R4031604-6 02/08/24 17:14

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	1240	1250	1	0.563		20

Laboratory Control Sample (LCS)

(LCS) R4031604-2 02/08/24 16:50

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ferrous Iron	1000	1060	106	85.0-115	

L1703405-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1703405-07 02/08/24 17:07 • (MS) R4031604-3 02/08/24 17:09 • (MSD) R4031604-4 02/08/24 17:09

	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	148	1140	1170	99.3	102	1	80.0-120			2.51	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4032279-1 02/10/24 00:44

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

L1703168-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1703168-02 02/10/24 01:04 • (DUP) R4032279-3 02/10/24 01:18

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	62.0	62.0	1	0.000	⌵	20

L1703309-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1703309-05 02/10/24 01:33 • (DUP) R4032279-6 02/10/24 01:35

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	95.0	92.0	1	3.21	⌵	20

Laboratory Control Sample (LCS)

(LCS) R4032279-2 02/10/24 00:46

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Nitrate-Nitrite	2500	2520	101	90.0-110	

L1703168-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1703168-02 02/10/24 01:04 • (MS) R4032279-4 02/10/24 01:19 • (MSD) R4032279-5 02/10/24 01:22

	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	62.0	2400	2390	93.5	93.1	1	90.0-110			0.418	20

L1703309-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1703309-05 02/10/24 01:33 • (MS) R4032279-7 02/10/24 01:37

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Nitrate-Nitrite	2500	95.0	2520	97.0	1	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4031580-1 02/08/24 16:35

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

L1702871-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1702871-01 02/08/24 16:37 • (DUP) R4031580-3 02/08/24 16:38

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	554	565	1	1.97		20

L1703309-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1703309-10 02/08/24 16:52 • (DUP) R4031580-6 02/08/24 16:52

	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) R4031580-2 02/08/24 16:36

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	566	113	85.0-115	

L1703309-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1703309-09 02/08/24 16:49 • (MS) R4031580-4 02/08/24 16:49 • (MSD) R4031580-5 02/08/24 16:50

	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	237	728	721	98.2	96.8	1	80.0-120			0.966	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4032607-1 02/08/24 09:08

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

L1703131-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1703131-01 02/08/24 13:32 • (DUP) R4032607-3 02/08/24 14:53

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	195000	192000	1	1.64		15

L1703131-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1703131-01 02/08/24 13:45 • (DUP) R4032607-4 02/08/24 15:07

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfate	360000	357000	10	0.772		15

L1703309-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1703309-10 02/08/24 18:41 • (DUP) R4032607-7 02/08/24 18:53

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4032607-2 02/08/24 09:21

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	ug/l	ug/l	%	%	
Chloride	40000	40100	100	80.0-120	
Sulfate	40000	37300	93.1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1703131-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1703131-01 02/08/24 13:32 • (MS) R4032607-5 02/08/24 15:20 • (MSD) R4032607-6 02/08/24 15:34

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 %
Chloride	40000	195000	194000	196000	0.000	1.96	1	80.0-120	V	V	0.594	15
Sulfate	40000	383000	356000	353000	0.000	0.000	1	80.0-120	EV	EV	0.961	15

Sample Narrative:

MS: Spike failed due to high parent hits

MSD: Spike failed due to high parent hits

L1703309-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1703309-10 02/08/24 18:41 • (MS) R4032607-8 02/08/24 19:06

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40000	U	38500	96.2	1	80.0-120	
Sulfate	40000	U	36800	91.9	1	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4032355-2 02/09/24 19:18

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	112	⬇	102	1000

L1703069-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1703069-03 02/09/24 19:54 • (DUP) R4032355-3 02/09/24 20:13

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	2900	3010	1	3.59		20

L1703309-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1703309-01 02/09/24 23:56 • (DUP) R4032355-6 02/10/24 00:17

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	6290	6310	1	0.318		20

Laboratory Control Sample (LCS)

(LCS) R4032355-1 02/09/24 19:01

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	25300	101	85.0-115	

L1703248-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1703248-02 02/09/24 21:30 • (MS) R4032355-4 02/09/24 21:54 • (MSD) R4032355-5 02/09/24 22:18

	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	4650	29800	30000	101	102	1	85.0-115			0.836	20

L1703309-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1703309-04 02/10/24 01:27 • (MS) R4032355-7 02/10/24 01:54 • (MSD) R4032355-8 02/10/24 02:21

	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	%	%		%			%	%
TOC (Total Organic Carbon)	25000	16400	39200	40900	91.3	98.1	1	85.0-115			4.22	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4033129-1 02/13/24 12:00

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) R4033129-2 02/13/24 12:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	10000	100	80.0-120	
Manganese	1000	986	98.6	80.0-120	
Sodium	10000	9720	97.2	80.0-120	

L1703309-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1703309-05 02/13/24 12:04 • (MS) R4033129-4 02/13/24 12:08 • (MSD) R4033129-5 02/13/24 12:09

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	473	10500	10600	101	102	1	75.0-125			1.01	20
Manganese	1000	64.0	1040	1040	98.1	97.5	1	75.0-125			0.611	20
Sodium	10000	510000	495000	499000	0.000	0.000	1	75.0-125	V	V	0.819	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4032604-2 02/12/24 09:43

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

L1703093-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1703093-02 02/12/24 09:47 • (DUP) R4032604-3 02/12/24 11:03

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

L1703309-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1703309-06 02/12/24 11:06 • (DUP) R4032604-4 02/12/24 12:39

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) R4032604-1 02/12/24 09:40 • (LCSD) R4032604-5 02/12/24 12:42

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	61.4	64.1	90.6	94.5	85.0-115			4.30	20
Ethane	129	120	123	93.0	95.3	85.0-115			2.47	20
Ethene	127	120	124	94.5	97.6	85.0-115			3.28	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4032546-3 02/09/24 10:29

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) R4032546-3 02/09/24 10:29

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	102			80.0-120
(S) 4-Bromofluorobenzene	86.3			77.0-126
(S) 1,2-Dichloroethane-d4	94.9			70.0-130

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

(LCS) R4032546-1 02/09/24 09:24 • (LCSD) R4032546-2 02/09/24 09:45

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 %
Acetone	25.0	30.2	31.1	121	124	19.0-160			2.94	27
Benzene	5.00	4.47	4.57	89.4	91.4	70.0-123			2.21	20
Bromochloromethane	5.00	4.91	5.25	98.2	105	76.0-122			6.69	20
Bromodichloromethane	5.00	4.30	4.53	86.0	90.6	75.0-120			5.21	20
Bromoform	5.00	4.53	4.74	90.6	94.8	68.0-132			4.53	20
Bromomethane	5.00	5.24	5.62	105	112	10.0-160			7.00	25
Carbon disulfide	5.00	4.49	4.65	89.8	93.0	61.0-128			3.50	20
Carbon tetrachloride	5.00	4.65	4.99	93.0	99.8	68.0-126			7.05	20
Chlorobenzene	5.00	4.66	4.79	93.2	95.8	80.0-121			2.75	20
Chlorodibromomethane	5.00	4.68	4.77	93.6	95.4	77.0-125			1.90	20
Chloroethane	5.00	3.81	3.98	76.2	79.6	47.0-150			4.36	20
Chloroform	5.00	4.63	4.81	92.6	96.2	73.0-120			3.81	20
Chloromethane	5.00	2.83	3.32	56.6	66.4	41.0-142			15.9	20
Cyclohexane	5.00	4.10	4.40	82.0	88.0	71.0-124			7.06	20
1,2-Dibromo-3-Chloropropane	5.00	4.20	4.07	84.0	81.4	58.0-134			3.14	20
1,2-Dibromoethane	5.00	4.59	4.65	91.8	93.0	80.0-122			1.30	20
1,2-Dichlorobenzene	5.00	4.92	5.00	98.4	100	79.0-121			1.61	20
1,3-Dichlorobenzene	5.00	4.80	4.90	96.0	98.0	79.0-120			2.06	20
1,4-Dichlorobenzene	5.00	4.64	4.71	92.8	94.2	79.0-120			1.50	20
Dichlorodifluoromethane	5.00	4.24	4.79	84.8	95.8	51.0-149			12.2	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

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

(LCS) R4032546-1 02/09/24 09:24 • (LCSD) R4032546-2 02/09/24 09:45

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 %
1,1-Dichloroethane	5.00	4.54	4.55	90.8	91.0	70.0-126			0.220	20
1,2-Dichloroethane	5.00	4.49	4.81	89.8	96.2	70.0-128			6.88	20
1,1-Dichloroethene	5.00	4.49	4.70	89.8	94.0	71.0-124			4.57	20
cis-1,2-Dichloroethene	5.00	4.52	4.80	90.4	96.0	73.0-120			6.01	20
trans-1,2-Dichloroethene	5.00	4.43	4.59	88.6	91.8	73.0-120			3.55	20
1,2-Dichloropropane	5.00	4.20	4.41	84.0	88.2	77.0-125			4.88	20
cis-1,3-Dichloropropene	5.00	4.31	4.35	86.2	87.0	80.0-123			0.924	20
trans-1,3-Dichloropropene	5.00	4.35	4.50	87.0	90.0	78.0-124			3.39	20
Ethylbenzene	5.00	4.54	4.60	90.8	92.0	79.0-123			1.31	20
2-Hexanone	25.0	18.3	18.5	73.2	74.0	67.0-149			1.09	20
Isopropylbenzene	5.00	4.37	4.56	87.4	91.2	76.0-127			4.26	20
2-Butanone (MEK)	25.0	26.8	27.8	107	111	44.0-160			3.66	20
Methyl Acetate	25.0	24.8	24.9	99.2	99.6	57.0-148			0.402	20
Methyl Cyclohexane	5.00	4.10	4.56	82.0	91.2	68.0-126			10.6	20
Methylene Chloride	5.00	4.39	4.29	87.8	85.8	67.0-120			2.30	20
4-Methyl-2-pentanone (MIBK)	25.0	23.1	23.6	92.4	94.4	68.0-142			2.14	20
Methyl tert-butyl ether	5.00	4.12	4.23	82.4	84.6	68.0-125			2.63	20
Styrene	5.00	3.85	3.90	77.0	78.0	73.0-130			1.29	20
1,1,2,2-Tetrachloroethane	5.00	4.30	4.18	86.0	83.6	65.0-130			2.83	20
Tetrachloroethene	5.00	5.05	4.98	101	99.6	72.0-132			1.40	20
Toluene	5.00	4.51	4.58	90.2	91.6	79.0-120			1.54	20
1,2,3-Trichlorobenzene	5.00	5.17	5.43	103	109	50.0-138			4.91	20
1,2,4-Trichlorobenzene	5.00	4.96	5.17	99.2	103	57.0-137			4.15	20
1,1,1-Trichloroethane	5.00	4.76	4.90	95.2	98.0	73.0-124			2.90	20
1,1,2-Trichloroethane	5.00	4.50	4.82	90.0	96.4	80.0-120			6.87	20
Trichloroethene	5.00	4.83	5.13	96.6	103	78.0-124			6.02	20
Trichlorofluoromethane	5.00	5.90	6.30	118	126	59.0-147			6.56	20
1,1,2-Trichlorotrifluoroethane	5.00	4.93	5.11	98.6	102	69.0-132			3.59	20
Vinyl chloride	5.00	4.10	4.35	82.0	87.0	67.0-131			5.92	20
Xylenes, Total	15.0	12.9	13.3	86.0	88.7	79.0-123			3.05	20
(S) Toluene-d8				101	101	80.0-120				
(S) 4-Bromofluorobenzene				92.0	92.5	77.0-126				
(S) 1,2-Dichloroethane-d4				95.7	95.4	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

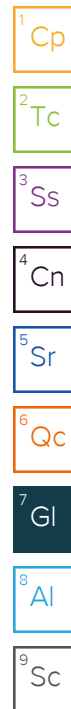
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

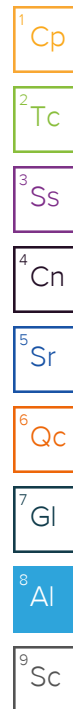
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



Arcadis - Chevron - NY

Billing Information:

Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 3



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>SDG # U703309
H025

Acctnum: CHEVARCNY

Template: T182105

Prelogin: P1053220

PM: 526 - Chris McCord

PB:

Shipped Via: **FedEX Priority**

Remarks Sample # (lab only)

Report to:

Max Mansilla

Email To:

maxwell.mansilla@arcadis.com; alex.newbrough

Project Description:

POD 4 - Oceanside 6518040

City/State

Collected: Oceanside, NYPlease Circle:
PT MT CT ET

Phone:

(908) 380-7457

Client Project #

30062947.19.45

Lab Project #

CHEVARCNY-6518040

Collected by (print):

Shekhar Gahlot

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

standard TAT

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

MW-27-D2-W- 240205	G	GW	-	2/5/24	092135	11
MW-28-D2R-W-		GW				11
MW-24-D2-W-		GW				11
MW-24-VDR-W-		GW				11
AMW-15-VD-W- 240205	G	GW	-	2/5/24	2355	11
AMW-7R-W-		GW				11
AMW-14-VD-W- 240205	G	GW	-	2/5/24	2220	11
AMW-14-D2-W- 240206	G	GW	-	2/6/24	0035	11
MW-28-D1-W-		GW				11
MW-26-D2-W-		GW				11

* Matrix:

SS - Soil AIR - Air F - Filter

GW - Groundwater B - Bioassay

WW - WasteWater

DW - Drinking Water

OT - Other

Remarks:

Bottles are in 12 hour format. COC is in

24 hour format. COC is correct time samples were taken.

pH Temp

Flow Other

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

Relinquished by: (Signature)

Date:

2/6/24

Time:

1645

Received by: (Signature)

Trip Blank Received: Yes/No

HCL/MeoH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C

110

Bottles Received: If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition:

NCF / OK

Sample Receipt Checklist

COC Seal Present/Intact: NP ☒ Y ☐ NCOC Signed/Accurate: ☒ Y ☐ NBottles arrive intact: ☒ Y ☐ NCorrect bottles used: ☒ Y ☐ NSufficient volume sent: ☒ Y ☐ N

If Applicable

VDA Zero Headspace: ☒ Y ☐ NPreservation Correct/Checked: ☒ Y ☐ NRAD Screen <0.5 mR/hr: ☒ Y ☐ N

Arcadis - Chevron - NY

Billing information:

Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 3



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>SDG # L703309

Table #

Acctnum: CHEVARCNY

Template: T182105

Prelogin: P1053220

PM: 526 - Chris McCord

PB:

Shipped Via: FedEx Priority

Remarks Sample # (lab only)

Report to:
Max MansillaEmail To:
maxwell.mansilla@arcadis.com; alex.newbroughProject Description:
POD 4 - Oceanside 6518040City/State
Collected: Oceanside, NYPlease Circle:
PT MT CT ETPhone:
(908) 380-7457Client Project #
30062947.19.45Lab Project #
CHEVARCNY-6518040Collected by (print):
Shekhar GahladSite/Facility ID #
6518040

P.O. #

Collected by (signature):
[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

Standard TATNo.
of
Cnts

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cnts
MW-23-D2R-W-		GW				11
AMW-15-D2-W- <u>240205</u>	<u>G</u>	GW	<u>-</u>	<u>2/5/24</u>	<u>2310</u>	11
AMW-15-D3-W- <u>240205</u>	<u>G</u>	GW	<u>-</u>	<u>2/5/24</u>	<u>2345</u>	11
MW-23-D1R-W-		GW				11
AMW-15-D1-W- <u>240205</u>	<u>G</u>	GW	<u>-</u>	<u>2/5/24</u>	<u>2310</u>	11
MW-27-D1R-W- <u>240205</u>	<u>G</u>	GW	<u>-</u>	<u>2/5/24</u>	<u>2140</u>	11
MW-26-D1-W-		GW				11
MW-29-D1-W-		GW				11
AMW-14-D1-W- <u>240205</u>	<u>G</u>	GW	<u>-</u>	<u>2/5/24</u>	<u>2225</u>	11
MW-24-D1R-W-		GW				11

* Matrix:

SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH Temp

Flow Other

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP ☐ N
COC Signed/Accurate: ☒ ☐ N
Bottles arrive intact: ☒ ☐ N
Correct bottles used: ☒ ☐ N
Sufficient volume sent: ☒ ☐ N
If Applicable
VCA Zero Headspace: ☒ ☐ N
Preservation Correct/Checked: ☒ ☐ N
RAD Screen <0.5 mR/hr: ☒ ☐ N

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes / No

2 ACL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

110

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: Time:

2/2/24 0900

Hold:

Condition:
NCF / OK

Arcadis - Chevron - NY

Billing Information:

Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

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:

(908) 380-7457

Client Project #

30062947.19.45

Lab Project #

CHEVARCNY-6518040

Collected by (print):

Shekhar Gahlod

Site/Facility ID #

6518040

P.O. #

Collected by (signature):

S. Gahlod

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

standard TAT

No.
of
Cntrs

Immediately

Packed on Ice N ☐ Y ☒

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

MW-18R-W-

GW

11

BD-W-

GW

11

FB-W- 240206

G

GW

-

2/6/24

11

FB-W-

GW

11

FB-W-

GW

11

FB-W-

GW

11

FB-W-

GW

11

TB-W- 240206

G

GW

-

2/6/24

1

TB-W-

GW

1

* 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 ☐ NCOC Signed/Accurate: ☒ Y ☐ NBottles arrive intact: ☒ Y ☐ NCorrect bottles used: ☒ Y ☐ NSufficient volume sent: ☒ Y ☐ N

If Applicable

VOA Zero Headspace: ☒ Y ☐ NPreservation Correct/Checked: ☒ Y ☐ NRAD Screen <0.5 mR/hr: ☒ Y ☐ N

Relinquished by: (Signature)

Date:

2/6/24

Time:

1645

Received by: (Signature)

Trip Blank Received: ☒ Yes / No

HCl MeOH

TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: _____ °C Bottles Received: ☒ 110

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 2/7/24 Time: 0900

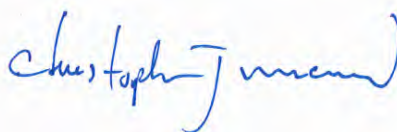
Hold:

Condition:
NCF ☒ OK

Arcadis - Chevron - NY

Sample Delivery Group: L1704146
Samples Received: 02/09/2024
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

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	8
Sr: Sample Results	10
MW-28-D2R-W-240206 L1704146-01	10
MW-24-D2-W-240206 L1704146-02	12
MW-24-VDR-W-240206 L1704146-03	14
AMW-7R-W-240206 L1704146-04	16
MW-28-D1-W-240206 L1704146-05	18
MW-23-D2R-W-240206 L1704146-06	20
MW-23-D1R-W-240206 L1704146-07	22
MW-26-D1-W-240206 L1704146-08	24
MW-29-D1-W-240206 L1704146-09	26
MW-24-D1R-W-240206 L1704146-10	29
MW-18R-W-240206 L1704146-11	32
BD-W-240206 L1704146-12	34
FB-W-240206 L1704146-13	36
TB-W-240206 L1704146-14	38
Qc: Quality Control Summary	39
Wet Chemistry by Method 2320 B-2011/4500CO2 D-2011	39
Wet Chemistry by Method 3500Fe B-2011	41
Wet Chemistry by Method 353.2	43
Wet Chemistry by Method 4500S2 D-2011	44
Wet Chemistry by Method 9056A	45
Wet Chemistry by Method 9060A	47
Metals (ICP) by Method 6010D	50
Volatile Organic Compounds (GC) by Method RSK175	52
Volatile Organic Compounds (GC/MS) by Method 8260C	57
Gl: Glossary of Terms	60
Al: Accreditations & Locations	61
Sc: Sample Chain of Custody	62

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

SAMPLE SUMMARY

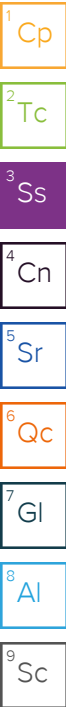
MW-28-D2R-W-240206 L1704146-01 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 19:25

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224207	1	02/14/24 09:54	02/14/24 09:54	DJS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 12:26	02/12/24 12:26	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 12:26	02/12/24 12:26	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2223621	1	02/10/24 13:50	02/10/24 13:50	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223648	1	02/10/24 05:38	02/10/24 05:38	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:47	02/10/24 14:47	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	10	02/10/24 22:15	02/10/24 22:15	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	100	02/10/24 22:28	02/10/24 22:28	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2224264	1	02/12/24 19:58	02/12/24 19:58	CNH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	1	02/13/24 10:22	02/14/24 09:54	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	5	02/13/24 10:22	02/14/24 10:39	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224814	1	02/14/24 09:16	02/14/24 09:16	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 17:04	02/11/24 17:04	DYW	Mt. Juliet, TN



MW-24-D2-W-240206 L1704146-02 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 22:30

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224207	1	02/14/24 10:01	02/14/24 10:01	DJS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 12:53	02/12/24 12:53	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 12:53	02/12/24 12:53	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2223875	1	02/10/24 14:08	02/10/24 14:08	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223648	5	02/10/24 05:41	02/10/24 05:41	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:48	02/10/24 14:48	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	10	02/10/24 22:42	02/10/24 22:42	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	100	02/10/24 22:56	02/10/24 22:56	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2224264	5	02/12/24 20:13	02/12/24 20:13	CNH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	1	02/13/24 10:22	02/14/24 10:01	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	5	02/13/24 10:22	02/14/24 10:40	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224814	1	02/14/24 09:19	02/14/24 09:19	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 17:24	02/11/24 17:24	DYW	Mt. Juliet, TN

MW-24-VDR-W-240206 L1704146-03 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 22:50

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224207	1	02/14/24 10:03	02/14/24 10:03	DJS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 13:04	02/12/24 13:04	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 13:04	02/12/24 13:04	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2223875	100	02/10/24 14:08	02/10/24 14:08	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223648	1	02/10/24 05:43	02/10/24 05:43	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:48	02/10/24 14:48	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	1	02/10/24 23:09	02/10/24 23:09	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	5	02/10/24 23:23	02/10/24 23:23	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222830	1	02/12/24 17:17	02/12/24 17:17	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	1	02/13/24 10:22	02/14/24 10:03	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224814	1	02/14/24 09:24	02/14/24 09:24	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 17:45	02/11/24 17:45	DYW	Mt. Juliet, TN

SAMPLE SUMMARY

AMW-7R-W-240206 L1704146-04 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 19:10

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224207	1	02/14/24 10:04	02/14/24 10:04	DJS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 12:58	02/12/24 12:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 12:58	02/12/24 12:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2223875	10	02/10/24 14:09	02/10/24 14:09	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223648	1	02/10/24 06:03	02/10/24 06:03	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:48	02/10/24 14:48	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	1	02/10/24 23:36	02/10/24 23:36	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222830	1	02/12/24 17:44	02/12/24 17:44	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	1	02/13/24 10:22	02/14/24 10:04	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224814	1	02/14/24 09:27	02/14/24 09:27	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 18:05	02/11/24 18:05	DYW	Mt. Juliet, TN



MW-28-D1-W-240206 L1704146-05 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 19:55

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224207	1	02/14/24 10:06	02/14/24 10:06	DJS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 13:38	02/12/24 13:38	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 13:38	02/12/24 13:38	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2223875	1	02/10/24 14:10	02/10/24 14:10	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223648	1	02/10/24 06:05	02/10/24 06:05	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:49	02/10/24 14:49	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	20	02/11/24 00:03	02/11/24 00:03	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222830	1	02/12/24 18:14	02/12/24 18:14	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	1	02/13/24 10:22	02/14/24 10:06	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224814	1	02/14/24 09:33	02/14/24 09:33	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 18:26	02/11/24 18:26	DYW	Mt. Juliet, TN

MW-23-D2R-W-240206 L1704146-06 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 21:30

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224207	1	02/14/24 10:11	02/14/24 10:11	DJS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 13:44	02/12/24 13:44	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 13:44	02/12/24 13:44	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2223875	1	02/10/24 14:11	02/10/24 14:11	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223648	1	02/10/24 06:08	02/10/24 06:08	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:50	02/10/24 14:50	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	1	02/11/24 00:44	02/11/24 00:44	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	20	02/11/24 00:58	02/11/24 00:58	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222830	1	02/12/24 18:37	02/12/24 18:37	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	1	02/13/24 10:22	02/14/24 10:11	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	5	02/13/24 10:22	02/14/24 10:42	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224814	1	02/14/24 09:39	02/14/24 09:39	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 18:46	02/11/24 18:46	DYW	Mt. Juliet, TN

MW-23-D1R-W-240206 L1704146-07 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 21:10

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224207	1	02/14/24 10:12	02/14/24 10:12	DJS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 13:49	02/12/24 13:49	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 13:49	02/12/24 13:49	BJM	Mt. Juliet, TN

SAMPLE SUMMARY

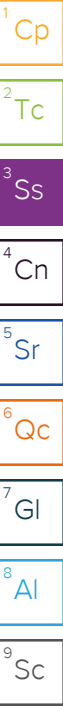
MW-23-D1R-W-240206 L1704146-07 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 21:10

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3500Fe B-2011	WG2223875	1	02/10/24 14:11	02/10/24 14:11	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223648	5	02/10/24 06:10	02/10/24 06:10	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:50	02/10/24 14:50	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	10	02/11/24 01:11	02/11/24 01:11	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	100	02/11/24 01:25	02/11/24 01:25	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222830	1	02/12/24 19:24	02/12/24 19:24	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	1	02/13/24 10:22	02/14/24 10:12	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	5	02/13/24 10:22	02/14/24 10:44	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224814	1	02/14/24 10:47	02/14/24 10:47	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 19:07	02/11/24 19:07	DYW	Mt. Juliet, TN



MW-26-D1-W-240206 L1704146-08 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 20:20

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224207	1	02/14/24 10:14	02/14/24 10:14	DJS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 13:54	02/12/24 13:54	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 13:54	02/12/24 13:54	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2223875	1	02/10/24 14:12	02/10/24 14:12	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223648	1	02/10/24 06:12	02/10/24 06:12	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:50	02/10/24 14:50	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	1	02/11/24 01:39	02/11/24 01:39	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	20	02/11/24 01:52	02/11/24 01:52	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222830	1	02/12/24 19:53	02/12/24 19:53	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	1	02/13/24 10:22	02/14/24 10:14	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224814	1	02/14/24 10:53	02/14/24 10:53	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 19:27	02/11/24 19:27	DYW	Mt. Juliet, TN

MW-29-D1-W-240206 L1704146-09 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 23:15

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224207	1	02/14/24 10:16	02/14/24 10:16	DJS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 14:00	02/12/24 14:00	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 14:00	02/12/24 14:00	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2223875	100	02/10/24 14:13	02/10/24 14:13	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223648	10	02/10/24 06:14	02/10/24 06:14	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:50	02/10/24 14:50	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	1	02/11/24 02:06	02/11/24 02:06	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	20	02/11/24 02:19	02/11/24 02:19	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222830	1	02/12/24 21:51	02/12/24 21:51	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	1	02/13/24 10:22	02/14/24 10:16	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224814	1	02/14/24 10:58	02/14/24 10:58	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 19:48	02/11/24 19:48	DYW	Mt. Juliet, TN

MW-24-D1R-W-240206 L1704146-10 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 22:00

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224207	1	02/14/24 10:17	02/14/24 10:17	DJS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 14:06	02/12/24 14:06	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 14:06	02/12/24 14:06	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2223875	1	02/10/24 14:14	02/10/24 14:14	ARV	Mt. Juliet, TN

SAMPLE SUMMARY

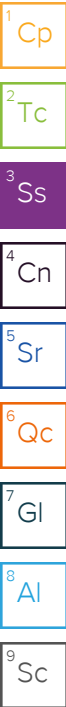
MW-24-D1R-W-240206 L1704146-10 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 22:00

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 353.2	WG2223648	10	02/10/24 06:17	02/10/24 06:17	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:51	02/10/24 14:51	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	10	02/11/24 02:33	02/11/24 02:33	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	100	02/11/24 02:47	02/11/24 02:47	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222830	1	02/12/24 22:20	02/12/24 22:20	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	1	02/13/24 10:22	02/14/24 10:17	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	5	02/13/24 10:22	02/14/24 10:45	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224818	1	02/14/24 09:08	02/14/24 09:08	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 20:08	02/11/24 20:08	DYW	Mt. Juliet, TN



MW-18R-W-240206 L1704146-11 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 18:30

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224207	1	02/14/24 10:19	02/14/24 10:19	DJS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 14:11	02/12/24 14:11	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 14:11	02/12/24 14:11	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2223875	1	02/10/24 14:14	02/10/24 14:14	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223648	1	02/10/24 06:19	02/10/24 06:19	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:51	02/10/24 14:51	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	1	02/11/24 03:27	02/11/24 03:27	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222830	1	02/12/24 22:48	02/12/24 22:48	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224207	1	02/13/24 10:22	02/14/24 10:19	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224818	1	02/14/24 09:14	02/14/24 09:14	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2226349	10	02/14/24 15:07	02/14/24 15:07	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 20:29	02/11/24 20:29	DYW	Mt. Juliet, TN

BD-W-240206 L1704146-12 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 00:00

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224291	1	02/15/24 11:40	02/15/24 11:40	JTM	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 14:19	02/12/24 14:19	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 14:19	02/12/24 14:19	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2223875	1	02/10/24 14:15	02/10/24 14:15	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223648	1	02/10/24 06:21	02/10/24 06:21	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:52	02/10/24 14:52	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2223680	1	02/11/24 03:41	02/11/24 03:41	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222830	1	02/12/24 23:09	02/12/24 23:09	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224291	1	02/15/24 09:12	02/15/24 11:40	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224818	1	02/14/24 09:20	02/14/24 09:20	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 20:50	02/11/24 20:50	DYW	Mt. Juliet, TN

FB-W-240206 L1704146-13 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 23:45

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2224291	1	02/15/24 11:43	02/15/24 11:43	JTM	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2224520	1	02/12/24 15:11	02/12/24 15:11	BJM	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2224520	1	02/12/24 15:11	02/12/24 15:11	BJM	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2223875	1	02/10/24 14:15	02/10/24 14:15	ARV	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2223648	5	02/10/24 06:35	02/10/24 06:35	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2223910	1	02/10/24 14:52	02/10/24 14:52	ARV	Mt. Juliet, TN

SAMPLE SUMMARY

FB-W-240206 L1704146-13 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 23:45

Received date/time
02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2223680	100	02/11/24 04:22	02/11/24 04:22	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2222830	1	02/12/24 23:37	02/12/24 23:37	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224291	1	02/15/24 09:12	02/15/24 11:43	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2224291	5	02/15/24 09:12	02/15/24 15:28	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2224818	1	02/14/24 09:28	02/14/24 09:28	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 16:23	02/11/24 16:23	DYW	Mt. Juliet, TN

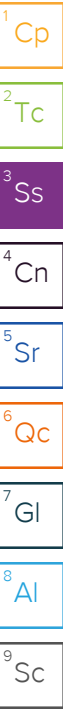
TB-W-240206 L1704146-14 GW

Collected by
Shekhar Gahlod

Collected date/time
02/06/24 00:00

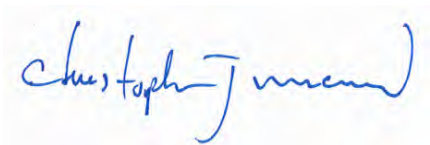
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02/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2224309	1	02/11/24 16:43	02/11/24 16:43	DYW	Mt. Juliet, TN

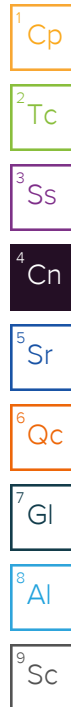


CASE NARRATIVE

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



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
WG2223621	3500Fe B-2011	L1704146-01
WG2223875	3500Fe B-2011	L1704146-02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13
WG2224520	4500CO2 D-2011	L1704146-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13

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

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Batch	Lab Sample ID	Analytes
WG2224520	(DUP) R4032757-7, L1704146-13	Free Carbon Dioxide

Wet Chemistry by Method 9056A

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Batch	Lab Sample ID	Analytes
WG2223680	(DUP) R4032580-6, L1704146-12	Chloride

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2224207	(MS) R4033703-4, (MSD) R4033703-5	Sodium

Volatile Organic Compounds (GC) by Method RSK175

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

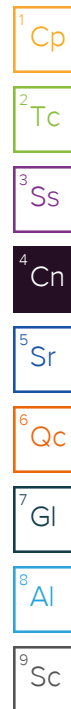
Batch	Lab Sample ID	Analytes
WG2224814	(MS) R4033710-5, (MSD) R4033710-6	Methane

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
WG2224309	L1704146-01	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-02	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-03	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-04	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-05	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-06	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-07	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-08	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-09	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-10	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-11	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-12	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-13	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride
WG2224309	L1704146-14	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, Bromomethane, Carbon disulfide, Dichlorodifluoromethane and Vinyl chloride



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	02/14/2024 09:54	WG2224207

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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	466000		20000	1	02/12/2024 12:26		WG2224520
Free Carbon Dioxide	91500	B T8	20000	1	02/12/2024 12:26		WG2224520

Sample Narrative:

L1704146-01 WG2224520: 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	1120	T8	15.0	50.0	1	02/10/2024 13:50	WG2223621

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	78.0	J	50.0	100	1	02/10/2024 05:38	WG2223648

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	42.0	J	25.0	50.0	1	02/10/2024 14:47	WG2223910

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	4860000		37900	100000	100	02/10/2024 22:28	WG2223680
Sulfate	507000		5940	50000	10	02/10/2024 22:15	WG2223680

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)	9070		102	1000	1	02/12/2024 19:58	WG2224264

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	446		18.0	100	1	02/14/2024 09:54	WG2224207
Manganese	366		0.934	10.0	1	02/14/2024 09:54	WG2224207
Sodium	2770000		2520	15000	5	02/14/2024 10:39	WG2224207

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	02/14/2024 09:16	WG2224814
Ethane	U		4.07	13.0	1	02/14/2024 09:16	WG2224814
Ethene	U		4.26	13.0	1	02/14/2024 09:16	WG2224814

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	02/11/2024 17:04	WG2224309
Benzene	U		0.0941	1.00	1	02/11/2024 17:04	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 17:04	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 17:04	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 17:04	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 17:04	WG2224309
Carbon disulfide	0.200	C3 J	0.0962	1.00	1	02/11/2024 17:04	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 17:04	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 17:04	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 17:04	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 17:04	WG2224309
Chloroform	U		0.111	5.00	1	02/11/2024 17:04	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 17:04	WG2224309
Cyclohexane	U		0.188	1.00	1	02/11/2024 17:04	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 17:04	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 17:04	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 17:04	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 17:04	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 17:04	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 17:04	WG2224309
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 17:04	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 17:04	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 17:04	WG2224309
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 17:04	WG2224309
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 17:04	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 17:04	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 17:04	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 17:04	WG2224309
Ethylbenzene	U		0.137	1.00	1	02/11/2024 17:04	WG2224309
2-Hexanone	U	C3	0.787	10.0	1	02/11/2024 17:04	WG2224309
Isopropylbenzene	U		0.105	1.00	1	02/11/2024 17:04	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 17:04	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 17:04	WG2224309
Methyl Cyclohexane	U		0.660	1.00	1	02/11/2024 17:04	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 17:04	WG2224309
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 17:04	WG2224309
Methyl tert-butyl ether	U		0.101	1.00	1	02/11/2024 17:04	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 17:04	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 17:04	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 17:04	WG2224309
Toluene	U		0.278	1.00	1	02/11/2024 17:04	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 17:04	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 17:04	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 17:04	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 17:04	WG2224309
Trichloroethene	U		0.190	1.00	1	02/11/2024 17:04	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 17:04	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 17:04	WG2224309
Vinyl chloride	U	C3	0.234	1.00	1	02/11/2024 17:04	WG2224309
Xylenes, Total	U		0.174	3.00	1	02/11/2024 17:04	WG2224309
(S) Toluene-d8	99.2			80.0-120		02/11/2024 17:04	WG2224309
(S) 4-Bromofluorobenzene	96.1			77.0-126		02/11/2024 17:04	WG2224309
(S) 1,2-Dichloroethane-d4	100			70.0-130		02/11/2024 17:04	WG2224309

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	699		15.0	50.0	1	02/14/2024 10:01	WG2224207

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	749000		20000	1	02/12/2024 12:53		WG2224520
Free Carbon Dioxide	88600	B T8	20000	1	02/12/2024 12:53		WG2224520

Sample Narrative:

L1704146-02 WG2224520: 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	1110	T8	15.0	50.0	1	02/10/2024 14:08	WG2223875

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	363	J	250	500	5	02/10/2024 05:41	WG2223648

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	107		25.0	50.0	1	02/10/2024 14:48	WG2223910

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	3670000		37900	100000	100	02/10/2024 22:56	WG2223680
Sulfate	177000		5940	50000	10	02/10/2024 22:42	WG2223680

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)	17300		510	5000	5	02/12/2024 20:13	WG2224264

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	1810		18.0	100	1	02/14/2024 10:01	WG2224207
Manganese	77.5		0.934	10.0	1	02/14/2024 10:01	WG2224207
Sodium	2080000		2520	15000	5	02/14/2024 10:40	WG2224207

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	1470		2.91	10.0	1	02/14/2024 09:19	WG2224814
Ethane	8.14	J	4.07	13.0	1	02/14/2024 09:19	WG2224814
Ethene	U		4.26	13.0	1	02/14/2024 09:19	WG2224814

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	02/11/2024 17:24	WG2224309
Benzene	0.0986	J	0.0941	1.00	1	02/11/2024 17:24	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 17:24	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 17:24	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 17:24	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 17:24	WG2224309
Carbon disulfide	0.490	C3 J	0.0962	1.00	1	02/11/2024 17:24	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 17:24	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 17:24	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 17:24	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 17:24	WG2224309
Chloroform	U		0.111	5.00	1	02/11/2024 17:24	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 17:24	WG2224309
Cyclohexane	U		0.188	1.00	1	02/11/2024 17:24	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 17:24	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 17:24	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 17:24	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 17:24	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 17:24	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 17:24	WG2224309
1,1-Dichloroethane	0.121	J	0.100	1.00	1	02/11/2024 17:24	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 17:24	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 17:24	WG2224309
cis-1,2-Dichloroethene	0.152	J	0.126	1.00	1	02/11/2024 17:24	WG2224309
trans-1,2-Dichloroethene	0.172	J	0.149	1.00	1	02/11/2024 17:24	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 17:24	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 17:24	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 17:24	WG2224309
Ethylbenzene	U		0.137	1.00	1	02/11/2024 17:24	WG2224309
2-Hexanone	U	C3	0.787	10.0	1	02/11/2024 17:24	WG2224309
Isopropylbenzene	U		0.105	1.00	1	02/11/2024 17:24	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 17:24	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 17:24	WG2224309
Methyl Cyclohexane	U		0.660	1.00	1	02/11/2024 17:24	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 17:24	WG2224309
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 17:24	WG2224309
Methyl tert-butyl ether	43.1		0.101	1.00	1	02/11/2024 17:24	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 17:24	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 17:24	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 17:24	WG2224309
Toluene	U		0.278	1.00	1	02/11/2024 17:24	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 17:24	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 17:24	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 17:24	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 17:24	WG2224309
Trichloroethene	U		0.190	1.00	1	02/11/2024 17:24	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 17:24	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 17:24	WG2224309
Vinyl chloride	U	C3	0.234	1.00	1	02/11/2024 17:24	WG2224309
Xylenes, Total	U		0.174	3.00	1	02/11/2024 17:24	WG2224309
(S) Toluene-d8	101			80.0-120		02/11/2024 17:24	WG2224309
(S) 4-Bromofluorobenzene	97.8			77.0-126		02/11/2024 17:24	WG2224309
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/11/2024 17:24	WG2224309

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	02/14/2024 10:03	WG2224207

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	35900		20000	1	02/12/2024 13:04	WG2224520	
Free Carbon Dioxide	ND	T8	20000	1	02/12/2024 13:04	WG2224520	

Sample Narrative:

L1704146-03 WG2224520: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	43500	T8	1500	5000	100	02/10/2024 14:08	WG2223875

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	99.0	J	50.0	100	1	02/10/2024 05:43	WG2223648

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	02/10/2024 14:48	WG2223910

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	571000		1900	5000	5	02/10/2024 23:23	WG2223680
Sulfate	51900		594	5000	1	02/10/2024 23:09	WG2223680

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2550		102	1000	1	02/12/2024 17:17	WG2222830

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1080		18.0	100	1	02/14/2024 10:03	WG2224207
Manganese	10.2		0.934	10.0	1	02/14/2024 10:03	WG2224207
Sodium	240000		504	3000	1	02/14/2024 10:03	WG2224207

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		2.91	10.0	1	02/14/2024 09:24	WG2224814
Ethane	U		4.07	13.0	1	02/14/2024 09:24	WG2224814
Ethene	U		4.26	13.0	1	02/14/2024 09:24	WG2224814

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	02/11/2024 17:45	WG2224309
Benzene	U		0.0941	1.00	1	02/11/2024 17:45	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 17:45	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 17:45	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 17:45	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 17:45	WG2224309
Carbon disulfide	0.230	C3 J	0.0962	1.00	1	02/11/2024 17:45	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 17:45	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 17:45	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 17:45	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 17:45	WG2224309
Chloroform	U		0.111	5.00	1	02/11/2024 17:45	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 17:45	WG2224309
Cyclohexane	U		0.188	1.00	1	02/11/2024 17:45	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 17:45	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 17:45	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 17:45	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 17:45	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 17:45	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 17:45	WG2224309
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 17:45	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 17:45	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 17:45	WG2224309
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 17:45	WG2224309
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 17:45	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 17:45	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 17:45	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 17:45	WG2224309
Ethylbenzene	U		0.137	1.00	1	02/11/2024 17:45	WG2224309
2-Hexanone	U	C3	0.787	10.0	1	02/11/2024 17:45	WG2224309
Isopropylbenzene	U		0.105	1.00	1	02/11/2024 17:45	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 17:45	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 17:45	WG2224309
Methyl Cyclohexane	U		0.660	1.00	1	02/11/2024 17:45	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 17:45	WG2224309
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 17:45	WG2224309
Methyl tert-butyl ether	U		0.101	1.00	1	02/11/2024 17:45	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 17:45	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 17:45	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 17:45	WG2224309
Toluene	U		0.278	1.00	1	02/11/2024 17:45	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 17:45	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 17:45	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 17:45	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 17:45	WG2224309
Trichloroethene	U		0.190	1.00	1	02/11/2024 17:45	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 17:45	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 17:45	WG2224309
Vinyl chloride	U	C3	0.234	1.00	1	02/11/2024 17:45	WG2224309
Xylenes, Total	U		0.174	3.00	1	02/11/2024 17:45	WG2224309
(S) Toluene-d8	100			80.0-120		02/11/2024 17:45	WG2224309
(S) 4-Bromofluorobenzene	96.4			77.0-126		02/11/2024 17:45	WG2224309
(S) 1,2-Dichloroethane-d4	99.2			70.0-130		02/11/2024 17:45	WG2224309

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		18.0	100	1	02/14/2024 10:04	WG2224207

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	534000		20000	1	02/12/2024 12:58		WG2224520
Free Carbon Dioxide	52600	B T8	20000	1	02/12/2024 12:58		WG2224520

Sample Narrative:

L1704146-04 WG2224520: 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	6080	T8	150	500	10	02/10/2024 14:09	WG2223875

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	02/10/2024 06:03	WG2223648

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	02/10/2024 14:48	WG2223910

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	94500		379	1000	1	02/10/2024 23:36	WG2223680
Sulfate	35700		594	5000	1	02/10/2024 23:36	WG2223680

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)	18600		102	1000	1	02/12/2024 17:44	WG2222830

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	5570		18.0	100	1	02/14/2024 10:04	WG2224207
Manganese	1700		0.934	10.0	1	02/14/2024 10:04	WG2224207
Sodium	84300		504	3000	1	02/14/2024 10:04	WG2224207

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	5730		2.91	10.0	1	02/14/2024 09:27	WG2224814
Ethane	U		4.07	13.0	1	02/14/2024 09:27	WG2224814
Ethene	U		4.26	13.0	1	02/14/2024 09:27	WG2224814

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	02/11/2024 18:05	WG2224309
Benzene	0.333	J	0.0941	1.00	1	02/11/2024 18:05	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 18:05	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 18:05	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 18:05	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 18:05	WG2224309
Carbon disulfide	0.198	C3 J	0.0962	1.00	1	02/11/2024 18:05	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 18:05	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 18:05	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 18:05	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 18:05	WG2224309
Chloroform	U		0.111	5.00	1	02/11/2024 18:05	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 18:05	WG2224309
Cyclohexane	7.36		0.188	1.00	1	02/11/2024 18:05	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 18:05	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 18:05	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 18:05	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 18:05	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 18:05	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 18:05	WG2224309
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 18:05	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 18:05	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 18:05	WG2224309
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 18:05	WG2224309
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 18:05	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 18:05	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 18:05	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 18:05	WG2224309
Ethylbenzene	0.218	J	0.137	1.00	1	02/11/2024 18:05	WG2224309
2-Hexanone	U	C3	0.787	10.0	1	02/11/2024 18:05	WG2224309
Isopropylbenzene	2.28		0.105	1.00	1	02/11/2024 18:05	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 18:05	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 18:05	WG2224309
Methyl Cyclohexane	8.95		0.660	1.00	1	02/11/2024 18:05	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 18:05	WG2224309
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 18:05	WG2224309
Methyl tert-butyl ether	U		0.101	1.00	1	02/11/2024 18:05	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 18:05	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 18:05	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 18:05	WG2224309
Toluene	U		0.278	1.00	1	02/11/2024 18:05	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 18:05	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 18:05	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 18:05	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 18:05	WG2224309
Trichloroethene	U		0.190	1.00	1	02/11/2024 18:05	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 18:05	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 18:05	WG2224309
Vinyl chloride	U	C3	0.234	1.00	1	02/11/2024 18:05	WG2224309
Xylenes, Total	0.762	J	0.174	3.00	1	02/11/2024 18:05	WG2224309
(S) Toluene-d8	93.1			80.0-120		02/11/2024 18:05	WG2224309
(S) 4-Bromofluorobenzene	88.9			77.0-126		02/11/2024 18:05	WG2224309
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/11/2024 18:05	WG2224309

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	23.2	J	15.0	50.0	1	02/14/2024 10:06	WG2224207

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	364000		20000	1	02/12/2024 13:38	WG2224520	
Free Carbon Dioxide	76500	B T8	20000	1	02/12/2024 13:38	WG2224520	

Sample Narrative:

L1704146-05 WG2224520: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	431	T8	15.0	50.0	1	02/10/2024 14:10	WG2223875

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	66.0	J	50.0	100	1	02/10/2024 06:05	WG2223648

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	02/10/2024 14:49	WG2223910

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1360000		7580	20000	20	02/11/2024 00:03	WG2223680
Sulfate	314000		11900	100000	20	02/11/2024 00:03	WG2223680

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	44000		102	1000	1	02/12/2024 18:14	WG2222830

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	454		18.0	100	1	02/14/2024 10:06	WG2224207
Manganese	47.3		0.934	10.0	1	02/14/2024 10:06	WG2224207
Sodium	588000		504	3000	1	02/14/2024 10:06	WG2224207

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	259		2.91	10.0	1	02/14/2024 09:33	WG2224814
Ethane	U		4.07	13.0	1	02/14/2024 09:33	WG2224814
Ethene	U		4.26	13.0	1	02/14/2024 09:33	WG2224814

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	02/11/2024 18:26	WG2224309
Benzene	2.49		0.0941	1.00	1	02/11/2024 18:26	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 18:26	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 18:26	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 18:26	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 18:26	WG2224309
Carbon disulfide	0.202	C3 J	0.0962	1.00	1	02/11/2024 18:26	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 18:26	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 18:26	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 18:26	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 18:26	WG2224309
Chloroform	U		0.111	5.00	1	02/11/2024 18:26	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 18:26	WG2224309
Cyclohexane	U		0.188	1.00	1	02/11/2024 18:26	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 18:26	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 18:26	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 18:26	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 18:26	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 18:26	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 18:26	WG2224309
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 18:26	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 18:26	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 18:26	WG2224309
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 18:26	WG2224309
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 18:26	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 18:26	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 18:26	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 18:26	WG2224309
Ethylbenzene	0.751	I- C3	0.137	1.00	1	02/11/2024 18:26	WG2224309
2-Hexanone	U		0.787	10.0	1	02/11/2024 18:26	WG2224309
Isopropylbenzene	0.162	I- C3	0.105	1.00	1	02/11/2024 18:26	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 18:26	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 18:26	WG2224309
Methyl Cyclohexane	U		0.660	1.00	1	02/11/2024 18:26	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 18:26	WG2224309
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 18:26	WG2224309
Methyl tert-butyl ether	3.99		0.101	1.00	1	02/11/2024 18:26	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 18:26	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 18:26	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 18:26	WG2224309
Toluene	U		0.278	1.00	1	02/11/2024 18:26	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 18:26	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 18:26	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 18:26	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 18:26	WG2224309
Trichloroethene	U		0.190	1.00	1	02/11/2024 18:26	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 18:26	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 18:26	WG2224309
Vinyl chloride	U	C3	0.234	1.00	1	02/11/2024 18:26	WG2224309
Xylenes, Total	0.361	I- C3	0.174	3.00	1	02/11/2024 18:26	WG2224309
(S) Toluene-d8	99.9			80.0-120		02/11/2024 18:26	WG2224309
(S) 4-Bromofluorobenzene	98.3			77.0-126		02/11/2024 18:26	WG2224309
(S) 1,2-Dichloroethane-d4	100			70.0-130		02/11/2024 18:26	WG2224309

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	1760		15.0	50.0	1	02/14/2024 10:11	WG2224207

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	414000		20000	1	02/12/2024 13:44		WG2224520
Free Carbon Dioxide	41700	B T8	20000	1	02/12/2024 13:44		WG2224520

Sample Narrative:

L1704146-06 WG2224520: 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	1030	T8	15.0	50.0	1	02/10/2024 14:11	WG2223875

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	97.0	J	50.0	100	1	02/10/2024 06:08	WG2223648

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	02/10/2024 14:50	WG2223910

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	1770000		7580	20000	20	02/11/2024 00:58	WG2223680
Sulfate	111000		594	5000	1	02/11/2024 00:44	WG2223680

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)	5580		102	1000	1	02/12/2024 18:37	WG2222830

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	2790		18.0	100	1	02/14/2024 10:11	WG2224207
Manganese	299		0.934	10.0	1	02/14/2024 10:11	WG2224207
Sodium	702000		2520	15000	5	02/14/2024 10:42	WG2224207

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	48.1		2.91	10.0	1	02/14/2024 09:39	WG2224814
Ethane	U		4.07	13.0	1	02/14/2024 09:39	WG2224814
Ethene	U		4.26	13.0	1	02/14/2024 09:39	WG2224814

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	02/11/2024 18:46	WG2224309
Benzene	U		0.0941	1.00	1	02/11/2024 18:46	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 18:46	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 18:46	WG2224309
Bromoform	0.181	<u>J</u>	0.129	1.00	1	02/11/2024 18:46	WG2224309
Bromomethane	U	<u>C3</u>	0.605	5.00	1	02/11/2024 18:46	WG2224309
Carbon disulfide	0.206	<u>C3 J</u>	0.0962	1.00	1	02/11/2024 18:46	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 18:46	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 18:46	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 18:46	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 18:46	WG2224309
Chloroform	U		0.111	5.00	1	02/11/2024 18:46	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 18:46	WG2224309
Cyclohexane	U		0.188	1.00	1	02/11/2024 18:46	WG2224309
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	0.276	5.00	1	02/11/2024 18:46	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 18:46	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 18:46	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 18:46	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 18:46	WG2224309
Dichlorodifluoromethane	U	<u>C3</u>	0.374	5.00	1	02/11/2024 18:46	WG2224309
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 18:46	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 18:46	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 18:46	WG2224309
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 18:46	WG2224309
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 18:46	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 18:46	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 18:46	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 18:46	WG2224309
Ethylbenzene	U		0.137	1.00	1	02/11/2024 18:46	WG2224309
2-Hexanone	U	<u>C3</u>	0.787	10.0	1	02/11/2024 18:46	WG2224309
Isopropylbenzene	U		0.105	1.00	1	02/11/2024 18:46	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 18:46	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 18:46	WG2224309
Methyl Cyclohexane	U		0.660	1.00	1	02/11/2024 18:46	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 18:46	WG2224309
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 18:46	WG2224309
Methyl tert-butyl ether	2.92		0.101	1.00	1	02/11/2024 18:46	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 18:46	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 18:46	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 18:46	WG2224309
Toluene	U		0.278	1.00	1	02/11/2024 18:46	WG2224309
1,2,3-Trichlorobenzene	U	<u>C3</u>	0.230	1.00	1	02/11/2024 18:46	WG2224309
1,2,4-Trichlorobenzene	U	<u>C3</u>	0.481	1.00	1	02/11/2024 18:46	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 18:46	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 18:46	WG2224309
Trichloroethene	U		0.190	1.00	1	02/11/2024 18:46	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 18:46	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 18:46	WG2224309
Vinyl chloride	U	<u>C3</u>	0.234	1.00	1	02/11/2024 18:46	WG2224309
Xylenes, Total	U		0.174	3.00	1	02/11/2024 18:46	WG2224309
(S) Toluene-d8	99.5			80.0-120		02/11/2024 18:46	WG2224309
(S) 4-Bromofluorobenzene	97.2			77.0-126		02/11/2024 18:46	WG2224309
(S) 1,2-Dichloroethane-d4	103			70.0-130		02/11/2024 18:46	WG2224309

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	60.4		15.0	50.0	1	02/14/2024 10:12	WG2224207

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	602000		20000	1	02/12/2024 13:49		WG2224520
Free Carbon Dioxide	46500	B T8	20000	1	02/12/2024 13:49		WG2224520

Sample Narrative:

L1704146-07 WG2224520: 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	621	T8	15.0	50.0	1	02/10/2024 14:11	WG2223875

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	266	J	250	500	5	02/10/2024 06:10	WG2223648

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	46.0	J	25.0	50.0	1	02/10/2024 14:50	WG2223910

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	2830000		37900	100000	100	02/11/2024 01:25	WG2223680
Sulfate	99900		5940	50000	10	02/11/2024 01:11	WG2223680

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)	15200		102	1000	1	02/12/2024 19:24	WG2222830

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	681		18.0	100	1	02/14/2024 10:12	WG2224207
Manganese	608		0.934	10.0	1	02/14/2024 10:12	WG2224207
Sodium	1530000		2520	15000	5	02/14/2024 10:44	WG2224207

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	02/14/2024 10:47	WG2224814
Ethane	U		4.07	13.0	1	02/14/2024 10:47	WG2224814
Ethene	U		4.26	13.0	1	02/14/2024 10:47	WG2224814

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	02/11/2024 19:07	WG2224309
Benzene	U		0.0941	1.00	1	02/11/2024 19:07	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 19:07	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 19:07	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 19:07	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 19:07	WG2224309
Carbon disulfide	0.285	C3 J	0.0962	1.00	1	02/11/2024 19:07	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 19:07	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 19:07	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 19:07	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 19:07	WG2224309
Chloroform	U		0.111	5.00	1	02/11/2024 19:07	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 19:07	WG2224309
Cyclohexane	U		0.188	1.00	1	02/11/2024 19:07	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 19:07	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 19:07	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 19:07	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 19:07	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 19:07	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 19:07	WG2224309
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 19:07	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 19:07	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 19:07	WG2224309
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 19:07	WG2224309
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 19:07	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 19:07	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 19:07	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 19:07	WG2224309
Ethylbenzene	U		0.137	1.00	1	02/11/2024 19:07	WG2224309
2-Hexanone	U	C3	0.787	10.0	1	02/11/2024 19:07	WG2224309
Isopropylbenzene	U		0.105	1.00	1	02/11/2024 19:07	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 19:07	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 19:07	WG2224309
Methyl Cyclohexane	U		0.660	1.00	1	02/11/2024 19:07	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 19:07	WG2224309
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 19:07	WG2224309
Methyl tert-butyl ether	0.638	J	0.101	1.00	1	02/11/2024 19:07	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 19:07	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 19:07	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 19:07	WG2224309
Toluene	U		0.278	1.00	1	02/11/2024 19:07	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 19:07	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 19:07	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 19:07	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 19:07	WG2224309
Trichloroethene	U		0.190	1.00	1	02/11/2024 19:07	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 19:07	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 19:07	WG2224309
Vinyl chloride	U	C3	0.234	1.00	1	02/11/2024 19:07	WG2224309
Xylenes, Total	U		0.174	3.00	1	02/11/2024 19:07	WG2224309
(S) Toluene-d8	103			80.0-120		02/11/2024 19:07	WG2224309
(S) 4-Bromofluorobenzene	96.3			77.0-126		02/11/2024 19:07	WG2224309
(S) 1,2-Dichloroethane-d4	98.2			70.0-130		02/11/2024 19:07	WG2224309

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	02/14/2024 10:14	WG2224207

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	596000		20000	1	02/12/2024 13:54		WG2224520
Free Carbon Dioxide	39500	B T8	20000	1	02/12/2024 13:54		WG2224520

Sample Narrative:

L1704146-08 WG2224520: 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	729	T8	15.0	50.0	1	02/10/2024 14:12	WG2223875

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	02/10/2024 06:12	WG2223648

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	02/10/2024 14:50	WG2223910

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	1470000		7580	20000	20	02/11/2024 01:52	WG2223680
Sulfate	141000		594	5000	1	02/11/2024 01:39	WG2223680

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)	32800		102	1000	1	02/12/2024 19:53	WG2222830

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	589		18.0	100	1	02/14/2024 10:14	WG2224207
Manganese	137		0.934	10.0	1	02/14/2024 10:14	WG2224207
Sodium	930000		504	3000	1	02/14/2024 10:14	WG2224207

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	2020		2.91	10.0	1	02/14/2024 10:53	WG2224814
Ethane	4.58	J	4.07	13.0	1	02/14/2024 10:53	WG2224814
Ethene	U		4.26	13.0	1	02/14/2024 10:53	WG2224814

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	02/11/2024 19:27	WG2224309
Benzene	3.05		0.0941	1.00	1	02/11/2024 19:27	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 19:27	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 19:27	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 19:27	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 19:27	WG2224309
Carbon disulfide	0.447	C3 J	0.0962	1.00	1	02/11/2024 19:27	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 19:27	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 19:27	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 19:27	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 19:27	WG2224309
Chloroform	U		0.111	5.00	1	02/11/2024 19:27	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 19:27	WG2224309
Cyclohexane	U		0.188	1.00	1	02/11/2024 19:27	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 19:27	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 19:27	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 19:27	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 19:27	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 19:27	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 19:27	WG2224309
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 19:27	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 19:27	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 19:27	WG2224309
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 19:27	WG2224309
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 19:27	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 19:27	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 19:27	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 19:27	WG2224309
Ethylbenzene	1.16		0.137	1.00	1	02/11/2024 19:27	WG2224309
2-Hexanone	U	C3	0.787	10.0	1	02/11/2024 19:27	WG2224309
Isopropylbenzene	0.197	J	0.105	1.00	1	02/11/2024 19:27	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 19:27	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 19:27	WG2224309
Methyl Cyclohexane	U		0.660	1.00	1	02/11/2024 19:27	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 19:27	WG2224309
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 19:27	WG2224309
Methyl tert-butyl ether	30.6		0.101	1.00	1	02/11/2024 19:27	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 19:27	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 19:27	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 19:27	WG2224309
Toluene	1.20		0.278	1.00	1	02/11/2024 19:27	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 19:27	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 19:27	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 19:27	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 19:27	WG2224309
Trichloroethene	U		0.190	1.00	1	02/11/2024 19:27	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 19:27	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 19:27	WG2224309
Vinyl chloride	U	C3	0.234	1.00	1	02/11/2024 19:27	WG2224309
Xylenes, Total	2.81	J	0.174	3.00	1	02/11/2024 19:27	WG2224309
(S) Toluene-d8	99.7			80.0-120		02/11/2024 19:27	WG2224309
(S) 4-Bromofluorobenzene	98.4			77.0-126		02/11/2024 19:27	WG2224309
(S) 1,2-Dichloroethane-d4	102			70.0-130		02/11/2024 19:27	WG2224309

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		18.0	100	1	02/14/2024 10:16	WG2224207

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	182000		20000	1	02/12/2024 14:00		WG2224520
Free Carbon Dioxide	64000	B T8	20000	1	02/12/2024 14:00		WG2224520

Sample Narrative:

L1704146-09 WG2224520: 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	10800	T8	1500	5000	100	02/10/2024 14:13	WG2223875

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		500	1000	10	02/10/2024 06:14	WG2223648

Sample Narrative:

L1704146-09 WG2223648: dilution due to sample matrix(Sulfide interference)

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	02/10/2024 14:50	WG2223910

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	846000		7580	20000	20	02/11/2024 02:19	WG2223680
Sulfate	33000		594	5000	1	02/11/2024 02:06	WG2223680

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)	4000		102	1000	1	02/12/2024 21:51	WG2222830

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	5590		18.0	100	1	02/14/2024 10:16	WG2224207
Manganese	81.8		0.934	10.0	1	02/14/2024 10:16	WG2224207
Sodium	142000		504	3000	1	02/14/2024 10:16	WG2224207

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	333		2.91	10.0	1	02/14/2024 10:58	WG2224814
Ethane	U		4.07	13.0	1	02/14/2024 10:58	WG2224814

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	U		4.26	13.0	1	02/14/2024 10:58	WG2224814

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	02/11/2024 19:48	WG2224309
Benzene	U		0.0941	1.00	1	02/11/2024 19:48	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 19:48	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 19:48	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 19:48	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 19:48	WG2224309
Carbon disulfide	0.252	C3 J	0.0962	1.00	1	02/11/2024 19:48	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 19:48	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 19:48	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 19:48	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 19:48	WG2224309
Chloroform	U		0.111	5.00	1	02/11/2024 19:48	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 19:48	WG2224309
Cyclohexane	U		0.188	1.00	1	02/11/2024 19:48	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 19:48	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 19:48	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 19:48	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 19:48	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 19:48	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 19:48	WG2224309
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 19:48	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 19:48	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 19:48	WG2224309
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 19:48	WG2224309
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 19:48	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 19:48	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 19:48	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 19:48	WG2224309
Ethylbenzene	U		0.137	1.00	1	02/11/2024 19:48	WG2224309
2-Hexanone	U	C3	0.787	10.0	1	02/11/2024 19:48	WG2224309
Isopropylbenzene	U		0.105	1.00	1	02/11/2024 19:48	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 19:48	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 19:48	WG2224309
Methyl Cyclohexane	U		0.660	1.00	1	02/11/2024 19:48	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 19:48	WG2224309
4-Methyl-2-pentanone (MIBK)	1.95	J	0.478	10.0	1	02/11/2024 19:48	WG2224309
Methyl tert-butyl ether	1.47		0.101	1.00	1	02/11/2024 19:48	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 19:48	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 19:48	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 19:48	WG2224309
Toluene	U		0.278	1.00	1	02/11/2024 19:48	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 19:48	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 19:48	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 19:48	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 19:48	WG2224309
Trichloroethene	U		0.190	1.00	1	02/11/2024 19:48	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 19:48	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 19:48	WG2224309
Vinyl chloride	U	C3	0.234	1.00	1	02/11/2024 19:48	WG2224309
Xylenes, Total	U		0.174	3.00	1	02/11/2024 19:48	WG2224309
(S) Toluene-d8	99.1			80.0-120		02/11/2024 19:48	WG2224309

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
(S) 4-Bromofluorobenzene	97.6			77.0-126		02/11/2024 19:48	WG2224309
(S) 1,2-Dichloroethane-d4	95.6			70.0-130		02/11/2024 19:48	WG2224309

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	113		15.0	50.0	1	02/14/2024 10:17	WG2224207

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	493000		20000	1	02/12/2024 14:06	WG2224520	
Free Carbon Dioxide	51700	B T8	20000	1	02/12/2024 14:06	WG2224520	

Sample Narrative:

L1704146-10 WG2224520: 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	234	T8	15.0	50.0	1	02/10/2024 14:14	WG2223875

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		500	1000	10	02/10/2024 06:17	WG2223648

Sample Narrative:

L1704146-10 WG2223648: dilution due to sample matrix(Sulfide interference)

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	619		25.0	50.0	1	02/10/2024 14:51	WG2223910

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	2570000		37900	100000	100	02/11/2024 02:47	WG2223680
Sulfate	201000		5940	50000	10	02/11/2024 02:33	WG2223680

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)	34500		102	1000	1	02/12/2024 22:20	WG2222830

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	347		18.0	100	1	02/14/2024 10:17	WG2224207
Manganese	17.7		0.934	10.0	1	02/14/2024 10:17	WG2224207
Sodium	1600000		2520	15000	5	02/14/2024 10:45	WG2224207

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	5320		2.91	10.0	1	02/14/2024 09:08	WG2224818
Ethane	180		4.07	13.0	1	02/14/2024 09:08	WG2224818

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	76.6		4.26	13.0	1	02/14/2024 09:08	WG2224818

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	02/11/2024 20:08	WG2224309
Benzene	7.22		0.0941	1.00	1	02/11/2024 20:08	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 20:08	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 20:08	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 20:08	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 20:08	WG2224309
Carbon disulfide	0.780	C3 J	0.0962	1.00	1	02/11/2024 20:08	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 20:08	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 20:08	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 20:08	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 20:08	WG2224309
Chloroform	U		0.111	5.00	1	02/11/2024 20:08	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 20:08	WG2224309
Cyclohexane	0.415	U	0.188	1.00	1	02/11/2024 20:08	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 20:08	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 20:08	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 20:08	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 20:08	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 20:08	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 20:08	WG2224309
1,1-Dichloroethane	0.196	U	0.100	1.00	1	02/11/2024 20:08	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 20:08	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 20:08	WG2224309
cis-1,2-Dichloroethene	0.251	U	0.126	1.00	1	02/11/2024 20:08	WG2224309
trans-1,2-Dichloroethene	7.46		0.149	1.00	1	02/11/2024 20:08	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 20:08	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 20:08	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 20:08	WG2224309
Ethylbenzene	5.47		0.137	1.00	1	02/11/2024 20:08	WG2224309
2-Hexanone	U	C3	0.787	10.0	1	02/11/2024 20:08	WG2224309
Isopropylbenzene	0.578	U	0.105	1.00	1	02/11/2024 20:08	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 20:08	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 20:08	WG2224309
Methyl Cyclohexane	U		0.660	1.00	1	02/11/2024 20:08	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 20:08	WG2224309
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 20:08	WG2224309
Methyl tert-butyl ether	143		0.101	1.00	1	02/11/2024 20:08	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 20:08	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 20:08	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 20:08	WG2224309
Toluene	0.695	U	0.278	1.00	1	02/11/2024 20:08	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 20:08	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 20:08	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 20:08	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 20:08	WG2224309
Trichloroethene	0.311	U	0.190	1.00	1	02/11/2024 20:08	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 20:08	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 20:08	WG2224309
Vinyl chloride	1.25	C3	0.234	1.00	1	02/11/2024 20:08	WG2224309
Xylenes, Total	5.78		0.174	3.00	1	02/11/2024 20:08	WG2224309
(S) Toluene-d8	95.0			80.0-120		02/11/2024 20:08	WG2224309

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	94.9			77.0-126		02/11/2024 20:08	WG2224309
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/11/2024 20:08	WG2224309

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	972		15.0	50.0	1	02/14/2024 10:19	WG2224207

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	225000		20000	1	02/12/2024 14:11		WG2224520
Free Carbon Dioxide	ND	T8	20000	1	02/12/2024 14:11		WG2224520

Sample Narrative:

L1704146-11 WG2224520: 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	1350	T8	15.0	50.0	1	02/10/2024 14:14	WG2223875

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	69.0	J	50.0	100	1	02/10/2024 06:19	WG2223648

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	65.0		25.0	50.0	1	02/10/2024 14:51	WG2223910

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	137000		379	1000	1	02/11/2024 03:27	WG2223680
Sulfate	63400		594	5000	1	02/11/2024 03:27	WG2223680

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)	30300		102	1000	1	02/12/2024 22:48	WG2222830

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	2320		18.0	100	1	02/14/2024 10:19	WG2224207
Manganese	19.3		0.934	10.0	1	02/14/2024 10:19	WG2224207
Sodium	176000		504	3000	1	02/14/2024 10:19	WG2224207

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	7970		29.1	100	10	02/14/2024 15:07	WG2226349
Ethane	10.5	J	4.07	13.0	1	02/14/2024 09:14	WG2224818
Ethene	U		4.26	13.0	1	02/14/2024 09:14	WG2224818

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	17.8	U	11.3	50.0	1	02/11/2024 20:29	WG2224309
Benzene	23.7		0.0941	1.00	1	02/11/2024 20:29	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 20:29	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 20:29	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 20:29	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 20:29	WG2224309
Carbon disulfide	3.72	C3	0.0962	1.00	1	02/11/2024 20:29	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 20:29	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 20:29	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 20:29	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 20:29	WG2224309
Chloroform	U		0.111	5.00	1	02/11/2024 20:29	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 20:29	WG2224309
Cyclohexane	3.20		0.188	1.00	1	02/11/2024 20:29	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 20:29	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 20:29	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 20:29	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 20:29	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 20:29	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 20:29	WG2224309
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 20:29	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 20:29	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 20:29	WG2224309
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 20:29	WG2224309
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 20:29	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 20:29	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 20:29	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 20:29	WG2224309
Ethylbenzene	0.641	U	0.137	1.00	1	02/11/2024 20:29	WG2224309
2-Hexanone	U	C3	0.787	10.0	1	02/11/2024 20:29	WG2224309
Isopropylbenzene	3.64		0.105	1.00	1	02/11/2024 20:29	WG2224309
2-Butanone (MEK)	3.65	U	1.19	10.0	1	02/11/2024 20:29	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 20:29	WG2224309
Methyl Cyclohexane	3.26		0.660	1.00	1	02/11/2024 20:29	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 20:29	WG2224309
4-Methyl-2-pentanone (MIBK)	1.23	U	0.478	10.0	1	02/11/2024 20:29	WG2224309
Methyl tert-butyl ether	16.7		0.101	1.00	1	02/11/2024 20:29	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 20:29	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 20:29	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 20:29	WG2224309
Toluene	2.32		0.278	1.00	1	02/11/2024 20:29	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 20:29	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 20:29	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 20:29	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 20:29	WG2224309
Trichloroethene	U		0.190	1.00	1	02/11/2024 20:29	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 20:29	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 20:29	WG2224309
Vinyl chloride	U	C3	0.234	1.00	1	02/11/2024 20:29	WG2224309
Xylenes, Total	4.65		0.174	3.00	1	02/11/2024 20:29	WG2224309
(S) Toluene-d8	99.1			80.0-120		02/11/2024 20:29	WG2224309
(S) 4-Bromofluorobenzene	98.6			77.0-126		02/11/2024 20:29	WG2224309
(S) 1,2-Dichloroethane-d4	100			70.0-130		02/11/2024 20:29	WG2224309

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	02/15/2024 11:40	WG2224291

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	U		20000	1	02/12/2024 14:19	WG2224520	
Free Carbon Dioxide	ND	T8	20000	1	02/12/2024 14:19	WG2224520	

Sample Narrative:

L1704146-12 WG2224520: 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	02/10/2024 14:15	WG2223875

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	02/10/2024 06:21	WG2223648

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	02/10/2024 14:52	WG2223910

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	U	P1	379	1000	1	02/11/2024 03:41	WG2223680
Sulfate	664	J	594	5000	1	02/11/2024 03:41	WG2223680

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	169	J	102	1000	1	02/12/2024 23:09	WG2222830

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	U		18.0	100	1	02/15/2024 11:40	WG2224291
Manganese	U		0.934	10.0	1	02/15/2024 11:40	WG2224291
Sodium	U		504	3000	1	02/15/2024 11:40	WG2224291

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		2.91	10.0	1	02/14/2024 09:20	WG2224818
Ethane	U		4.07	13.0	1	02/14/2024 09:20	WG2224818
Ethene	U		4.26	13.0	1	02/14/2024 09:20	WG2224818

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	02/11/2024 20:50	WG2224309
Benzene	U		0.0941	1.00	1	02/11/2024 20:50	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 20:50	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 20:50	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 20:50	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 20:50	WG2224309
Carbon disulfide	0.305	C3 J	0.0962	1.00	1	02/11/2024 20:50	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 20:50	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 20:50	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 20:50	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 20:50	WG2224309
Chloroform	0.351	J	0.111	5.00	1	02/11/2024 20:50	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 20:50	WG2224309
Cyclohexane	U		0.188	1.00	1	02/11/2024 20:50	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 20:50	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 20:50	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 20:50	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 20:50	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 20:50	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 20:50	WG2224309
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 20:50	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 20:50	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 20:50	WG2224309
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 20:50	WG2224309
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 20:50	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 20:50	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 20:50	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 20:50	WG2224309
Ethylbenzene	U		0.137	1.00	1	02/11/2024 20:50	WG2224309
2-Hexanone	U	C3	0.787	10.0	1	02/11/2024 20:50	WG2224309
Isopropylbenzene	U		0.105	1.00	1	02/11/2024 20:50	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 20:50	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 20:50	WG2224309
Methyl Cyclohexane	U		0.660	1.00	1	02/11/2024 20:50	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 20:50	WG2224309
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 20:50	WG2224309
Methyl tert-butyl ether	U		0.101	1.00	1	02/11/2024 20:50	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 20:50	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 20:50	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 20:50	WG2224309
Toluene	U		0.278	1.00	1	02/11/2024 20:50	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 20:50	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 20:50	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 20:50	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 20:50	WG2224309
Trichloroethene	U		0.190	1.00	1	02/11/2024 20:50	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 20:50	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 20:50	WG2224309
Vinyl chloride	U	C3	0.234	1.00	1	02/11/2024 20:50	WG2224309
Xylenes, Total	U		0.174	3.00	1	02/11/2024 20:50	WG2224309
(S) Toluene-d8	102			80.0-120		02/11/2024 20:50	WG2224309
(S) 4-Bromofluorobenzene	97.2			77.0-126		02/11/2024 20:50	WG2224309
(S) 1,2-Dichloroethane-d4	99.6			70.0-130		02/11/2024 20:50	WG2224309

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	1310		15.0	50.0	1	02/15/2024 11:43	WG2224291

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	477000		20000	1	02/12/2024 15:11		WG2224520
Free Carbon Dioxide	56600	B P1 T8	20000	1	02/12/2024 15:11		WG2224520

Sample Narrative:

L1704146-13 WG2224520: 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	297	T8	15.0	50.0	1	02/10/2024 14:15	WG2223875

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	469	J	250	500	5	02/10/2024 06:35	WG2223648

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	643		25.0	50.0	1	02/10/2024 14:52	WG2223910

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	2580000		37900	100000	100	02/11/2024 04:22	WG2223680
Sulfate	238000	J	59400	500000	100	02/11/2024 04:22	WG2223680

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)	31700		102	1000	1	02/12/2024 23:37	WG2222830

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	1610		18.0	100	1	02/15/2024 11:43	WG2224291
Manganese	22.4		0.934	10.0	1	02/15/2024 11:43	WG2224291
Sodium	1520000		2520	15000	5	02/15/2024 15:28	WG2224291

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	5950		2.91	10.0	1	02/14/2024 09:28	WG2224818
Ethane	197		4.07	13.0	1	02/14/2024 09:28	WG2224818
Ethene	82.7		4.26	13.0	1	02/14/2024 09:28	WG2224818

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	02/11/2024 16:23	WG2224309
Benzene	8.18		0.0941	1.00	1	02/11/2024 16:23	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 16:23	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 16:23	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 16:23	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 16:23	WG2224309
Carbon disulfide	0.809	C3 J	0.0962	1.00	1	02/11/2024 16:23	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 16:23	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 16:23	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 16:23	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 16:23	WG2224309
Chloroform	U		0.111	5.00	1	02/11/2024 16:23	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 16:23	WG2224309
Cyclohexane	0.448	U	0.188	1.00	1	02/11/2024 16:23	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 16:23	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 16:23	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 16:23	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 16:23	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 16:23	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 16:23	WG2224309
1,1-Dichloroethane	0.218	U	0.100	1.00	1	02/11/2024 16:23	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 16:23	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 16:23	WG2224309
cis-1,2-Dichloroethene	0.259	U	0.126	1.00	1	02/11/2024 16:23	WG2224309
trans-1,2-Dichloroethene	8.59		0.149	1.00	1	02/11/2024 16:23	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 16:23	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 16:23	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 16:23	WG2224309
Ethylbenzene	6.57		0.137	1.00	1	02/11/2024 16:23	WG2224309
2-Hexanone	U	C3	0.787	10.0	1	02/11/2024 16:23	WG2224309
Isopropylbenzene	0.711	U	0.105	1.00	1	02/11/2024 16:23	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 16:23	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 16:23	WG2224309
Methyl Cyclohexane	U		0.660	1.00	1	02/11/2024 16:23	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 16:23	WG2224309
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 16:23	WG2224309
Methyl tert-butyl ether	138		0.101	1.00	1	02/11/2024 16:23	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 16:23	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 16:23	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 16:23	WG2224309
Toluene	0.801	U	0.278	1.00	1	02/11/2024 16:23	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 16:23	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 16:23	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 16:23	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 16:23	WG2224309
Trichloroethene	0.448	U	0.190	1.00	1	02/11/2024 16:23	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 16:23	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 16:23	WG2224309
Vinyl chloride	1.28	C3	0.234	1.00	1	02/11/2024 16:23	WG2224309
Xylenes, Total	6.80		0.174	3.00	1	02/11/2024 16:23	WG2224309
(S) Toluene-d8	97.4			80.0-120		02/11/2024 16:23	WG2224309
(S) 4-Bromofluorobenzene	99.6			77.0-126		02/11/2024 16:23	WG2224309
(S) 1,2-Dichloroethane-d4	94.4			70.0-130		02/11/2024 16:23	WG2224309

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

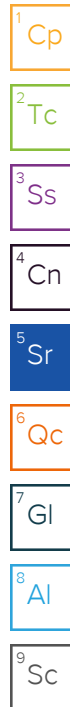
7 Gl

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	02/11/2024 16:43	WG2224309
Benzene	U		0.0941	1.00	1	02/11/2024 16:43	WG2224309
Bromochloromethane	U		0.128	1.00	1	02/11/2024 16:43	WG2224309
Bromodichloromethane	U		0.136	1.00	1	02/11/2024 16:43	WG2224309
Bromoform	U		0.129	1.00	1	02/11/2024 16:43	WG2224309
Bromomethane	U	C3	0.605	5.00	1	02/11/2024 16:43	WG2224309
Carbon disulfide	0.201	C3 J	0.0962	1.00	1	02/11/2024 16:43	WG2224309
Carbon tetrachloride	U		0.128	1.00	1	02/11/2024 16:43	WG2224309
Chlorobenzene	U		0.116	1.00	1	02/11/2024 16:43	WG2224309
Chlorodibromomethane	U		0.140	1.00	1	02/11/2024 16:43	WG2224309
Chloroethane	U		0.192	5.00	1	02/11/2024 16:43	WG2224309
Chloroform	0.196	J	0.111	5.00	1	02/11/2024 16:43	WG2224309
Chloromethane	U		0.960	2.50	1	02/11/2024 16:43	WG2224309
Cyclohexane	U		0.188	1.00	1	02/11/2024 16:43	WG2224309
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	02/11/2024 16:43	WG2224309
1,2-Dibromoethane	U		0.126	1.00	1	02/11/2024 16:43	WG2224309
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2024 16:43	WG2224309
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2024 16:43	WG2224309
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2024 16:43	WG2224309
Dichlorodifluoromethane	U	C3	0.374	5.00	1	02/11/2024 16:43	WG2224309
1,1-Dichloroethane	U		0.100	1.00	1	02/11/2024 16:43	WG2224309
1,2-Dichloroethane	U		0.0819	1.00	1	02/11/2024 16:43	WG2224309
1,1-Dichloroethene	U		0.188	1.00	1	02/11/2024 16:43	WG2224309
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/11/2024 16:43	WG2224309
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/11/2024 16:43	WG2224309
1,2-Dichloropropane	U		0.149	1.00	1	02/11/2024 16:43	WG2224309
cis-1,3-Dichloropropene	U		0.111	1.00	1	02/11/2024 16:43	WG2224309
trans-1,3-Dichloropropene	U		0.118	1.00	1	02/11/2024 16:43	WG2224309
Ethylbenzene	U		0.137	1.00	1	02/11/2024 16:43	WG2224309
2-Hexanone	U	C3	0.787	10.0	1	02/11/2024 16:43	WG2224309
Isopropylbenzene	U		0.105	1.00	1	02/11/2024 16:43	WG2224309
2-Butanone (MEK)	U		1.19	10.0	1	02/11/2024 16:43	WG2224309
Methyl Acetate	U		1.29	20.0	1	02/11/2024 16:43	WG2224309
Methyl Cyclohexane	U		0.660	1.00	1	02/11/2024 16:43	WG2224309
Methylene Chloride	U		0.430	5.00	1	02/11/2024 16:43	WG2224309
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/11/2024 16:43	WG2224309
Methyl tert-butyl ether	U		0.101	1.00	1	02/11/2024 16:43	WG2224309
Styrene	U		0.118	1.00	1	02/11/2024 16:43	WG2224309
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2024 16:43	WG2224309
Tetrachloroethene	U		0.300	1.00	1	02/11/2024 16:43	WG2224309
Toluene	U		0.278	1.00	1	02/11/2024 16:43	WG2224309
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	02/11/2024 16:43	WG2224309
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	02/11/2024 16:43	WG2224309
1,1,1-Trichloroethane	U		0.149	1.00	1	02/11/2024 16:43	WG2224309
1,1,2-Trichloroethane	U		0.158	1.00	1	02/11/2024 16:43	WG2224309
Trichloroethene	U		0.190	1.00	1	02/11/2024 16:43	WG2224309
Trichlorofluoromethane	U		0.160	5.00	1	02/11/2024 16:43	WG2224309
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	02/11/2024 16:43	WG2224309
Vinyl chloride	U	C3	0.234	1.00	1	02/11/2024 16:43	WG2224309
Xylenes, Total	U		0.174	3.00	1	02/11/2024 16:43	WG2224309
(S) Toluene-d8	98.3			80.0-120		02/11/2024 16:43	WG2224309
(S) 4-Bromofluorobenzene	96.3			77.0-126		02/11/2024 16:43	WG2224309
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		02/11/2024 16:43	WG2224309



Method Blank (MB)

(MB) R4032757-2 02/12/24 12:15

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

Sample Narrative:
BLANK: Endpoint pH 4.5

Method Blank (MB)

(MB) R4032757-3 02/12/24 12:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Free Carbon Dioxide	12700	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1704146-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-01 02/12/24 12:26 • (DUP) R4032757-4 02/12/24 12:31

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	466000	464000	1	0.525		20

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

L1704146-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-01 02/12/24 12:26 • (DUP) R4032757-5 02/12/24 12:31

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	91500	86200	1	5.99		20

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1704146-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-13 02/12/24 15:11 • (DUP) R4032757-6 02/12/24 15:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	477000	477000	1	0.0233		20

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

L1704146-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-13 02/12/24 15:11 • (DUP) R4032757-7 02/12/24 15:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	56600	44900	1	23.0	P1	20

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

Laboratory Control Sample (LCS)

(LCS) R4032757-1 02/12/24 12:09

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Alkalinity	100000	97200	97.2	90.0-110	

Sample Narrative:
LCS: Endpoint pH 4.5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4032242-1 02/10/24 13:32

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

L1703560-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1703560-05 02/10/24 13:35 • (DUP) R4032242-3 02/10/24 13:36

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	30.0	34.0	1	12.5	⌵	20

L1703999-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1703999-03 02/10/24 13:42 • (DUP) R4032242-4 02/10/24 13:45

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	12700	12700	100	0.496		20

Laboratory Control Sample (LCS)

(LCS) R4032242-2 02/10/24 13:32

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ferrous Iron	1000	1100	110	85.0-115	

L1704146-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704146-01 02/10/24 13:50 • (MS) R4032242-5 02/10/24 13:50 • (MSD) R4032242-6 02/10/24 13:51

	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	1120	2250	2240	113	112	1	80.0-120			0.578	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4032247-1 02/10/24 14:04

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

L1704107-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1704107-03 02/10/24 14:05 • (DUP) R4032247-3 02/10/24 14:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	771	806	1	4.44		20

L1704146-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-07 02/10/24 14:11 • (DUP) R4032247-4 02/10/24 14:11

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	621	587	1	5.63		20

Laboratory Control Sample (LCS)

(LCS) R4032247-2 02/10/24 14:04

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

L1704146-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704146-13 02/10/24 14:15 • (MS) R4032247-5 02/10/24 14:19 • (MSD) R4032247-6 02/10/24 14:19

	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	297	1400	1400	110	110	1	80.0-120			0.143	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4032281-1 02/10/24 05:28

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

L1704146-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-03 02/10/24 05:43 • (DUP) R4032281-3 02/10/24 05:45

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	99.0	100	1	1.01		20

L1704149-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1704149-01 02/10/24 06:37 • (DUP) R4032281-6 02/10/24 06:39

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4032281-2 02/10/24 05:30

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	ug/l	ug/l	%	%	
Nitrate-Nitrite	2500	2450	97.9	90.0-110	

L1704146-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704146-03 02/10/24 05:43 • (MS) R4032281-4 02/10/24 05:47 • (MSD) R4032281-5 02/10/24 06:01

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate-Nitrite	2500	99.0	2470	2490	94.9	95.6	1	90.0-110			0.685	20

L1704149-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1704149-01 02/10/24 06:37 • (MS) R4032281-7 02/10/24 06:41

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>
Analyte	ug/l	ug/l	ug/l	%		%	
Nitrate-Nitrite	2500	U	2350	94.0	1	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4032265-1 02/10/24 14:45

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1704146-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-02 02/10/24 14:48 • (DUP) R4032265-5 02/10/24 14:48

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	107	108	1	0.930		20

L1704146-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-09 02/10/24 14:50 • (DUP) R4032265-6 02/10/24 14:50

	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) R4032265-2 02/10/24 14:45

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	540	108	85.0-115	

L1703999-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1703999-07 02/10/24 14:46 • (MS) R4032265-3 02/10/24 14:46 • (MSD) R4032265-4 02/10/24 14:46

	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	539	520	108	104	1	80.0-120			3.59	20

Method Blank (MB)

(MB) R4032580-1 02/10/24 19:32

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

L1704119-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1704119-21 02/10/24 19:59 • (DUP) R4032580-3 02/10/24 20:13

	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	700	663	1	5.45		15

L1704146-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-12 02/11/24 03:41 • (DUP) R4032580-6 02/11/24 03:54

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	U	458	1	200		15
Sulfate	664	713	1	7.15		15

Laboratory Control Sample (LCS)

(LCS) R4032580-2 02/10/24 19:45

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	39900	99.7	80.0-120	
Sulfate	40000	40800	102	80.0-120	

L1704119-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704119-21 02/10/24 19:59 • (MS) R4032580-4 02/10/24 20:26 • (MSD) R4032580-5 02/10/24 20:40

	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	40000	U	40100	39300	100	98.2	1	80.0-120			2.11	15
Sulfate	40000	700	41100	40200	101	98.7	1	80.0-120			2.39	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1704146-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1704146-12 02/11/24 03:41 • (MS) R4032580-7 02/11/24 04:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	40000	U	40000	99.9	1	80.0-120	
Sulfate	40000	664	41000	101	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4032932-2 02/12/24 13:05

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

L1703416-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1703416-03 02/12/24 13:35 • (DUP) R4032932-3 02/12/24 13:54

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	2960	2920	1	1.29		20

L1704146-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-06 02/12/24 18:37 • (DUP) R4032932-6 02/12/24 18:58

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	5580	5350	1	4.19		20

Laboratory Control Sample (LCS)

(LCS) R4032932-1 02/12/24 12:48

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	25100	100	85.0-115	

L1703502-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1703502-03 02/12/24 15:29 • (MS) R4032932-4 02/12/24 15:54 • (MSD) R4032932-5 02/12/24 16:19

	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	2960	27900	27700	99.8	98.9	1	85.0-115			0.791	20

L1704146-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704146-08 02/12/24 19:53 • (MS) R4032932-7 02/12/24 20:21 • (MSD) R4032932-8 02/12/24 20:49

	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	32800	57100	56800	97.4	96.0	1	85.0-115	E	E	0.632	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1704146-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704146-08 02/12/24 19:53 • (MS) R4032932-7 02/12/24 20:21 • (MSD) R4032932-8 02/12/24 20:49

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%

Sample Narrative:

MS: spike above curve but recovered correctly

MSD: spike above curve but recovered correctly

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4033025-2 02/12/24 14:32

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	257	⬇	102	1000

L1703370-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1703370-02 02/12/24 15:14 • (DUP) R4033025-3 02/12/24 15:31

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	12200	12200	1	0.164		20

L1704257-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1704257-01 02/12/24 20:32 • (DUP) R4033025-6 02/12/24 20:48

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	11400	11200	1	2.04		20

Laboratory Control Sample (LCS)

(LCS) R4033025-1 02/12/24 14:20

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	24300	97.4	85.0-115	

L1704007-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704007-15 02/12/24 15:47 • (MS) R4033025-4 02/12/24 16:13 • (MSD) R4033025-5 02/12/24 16:34

	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	10300	34200	33400	95.6	92.4	1	85.0-115			2.37	20

L1704262-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704262-02 02/12/24 22:50 • (MS) R4033025-7 02/12/24 23:15 • (MSD) R4033025-8 02/12/24 23:46

	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	6520	31600	31700	100	101	1	85.0-115			0.253	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4033703-1 02/14/24 09:51

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) R4033703-2 02/14/24 09:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	10900	109	80.0-120	
Manganese	1000	1120	112	80.0-120	
Sodium	10000	10900	109	80.0-120	

L1704146-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704146-01 02/14/24 09:54 • (MS) R4033703-4 02/14/24 09:58 • (MSD) R4033703-5 02/14/24 09:59

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	446	10900	10800	104	104	1	75.0-125			0.712	20
Manganese	1000	366	1400	1400	103	103	1	75.0-125			0.254	20
Sodium	10000	3020000	2960000	2940000	0.000	0.000	1	75.0-125	EV	EV	0.734	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4034189-1 02/15/24 11:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	21.2	J	18.0	100
Manganese	U		0.934	10.0
Sodium	U		504	3000

Laboratory Control Sample (LCS)

(LCS) R4034189-2 02/15/24 11:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	9990	99.9	80.0-120	
Manganese	1000	1030	103	80.0-120	
Sodium	10000	10100	101	80.0-120	

L1704177-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704177-03 02/15/24 11:11 • (MS) R4034189-4 02/15/24 11:17 • (MSD) R4034189-5 02/15/24 11:20

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	2340	12300	12300	99.2	99.5	1	75.0-125			0.234	20
Manganese	1000	963	1960	1950	99.6	98.8	1	75.0-125			0.380	20
Sodium	10000	13100	22400	22600	92.5	94.8	1	75.0-125			1.01	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4033710-2 02/14/24 09:00

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

L1704146-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-01 02/14/24 09:16 • (DUP) R4033710-3 02/14/24 10:50

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

L1704146-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-09 02/14/24 10:58 • (DUP) R4033710-4 02/14/24 14:01

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	333	329	1	1.21		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) R4033710-1 02/14/24 08:57 • (LCSD) R4033710-7 02/14/24 14:20

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	63.9	64.2	94.2	94.7	85.0-115			0.468	20
Ethane	129	121	119	93.8	92.2	85.0-115			1.67	20
Ethene	127	121	119	95.3	93.7	85.0-115			1.67	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1704297-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704297-08 02/14/24 11:21 • (MS) R4033710-5 02/14/24 14:09 • (MSD) R4033710-6 02/14/24 14:15

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	1500	1710	1700	310	295	1	50.0-150	V	V	0.587	20
Ethane	129	U	157	152	122	118	1	50.0-150			3.24	20
Ethene	127	U	153	149	120	117	1	50.0-150			2.65	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4033709-2 02/14/24 09:01

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

L1702568-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1702568-04 02/14/24 09:05 • (DUP) R4033709-3 02/14/24 10:54

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

L1704445-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1704445-11 02/14/24 11:08 • (DUP) R4033709-4 02/14/24 13:58

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
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) R4033709-1 02/14/24 08:58 • (LCSD) R4033709-7 02/14/24 14:11

	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	71.0	62.8	105	92.6	85.0-115			12.3	20
Ethane	129	118	113	91.5	87.6	85.0-115			4.33	20
Ethene	127	118	114	92.9	89.8	85.0-115			3.45	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1704445-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704445-14 02/14/24 11:29 • (MS) R4033709-5 02/14/24 14:02 • (MSD) R4033709-6 02/14/24 14:08

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	U	64.5	62.7	95.1	92.5	1	50.0-150			2.83	20
Ethane	129	U	118	114	91.5	88.4	1	50.0-150			3.45	20
Ethene	127	U	118	114	92.9	89.8	1	50.0-150			3.45	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4033796-2 02/14/24 15:04

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Methane	U		2.91	10.0

L1704146-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1704146-11 02/14/24 15:07 • (DUP) R4033796-3 02/14/24 15:49

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Methane	7970	7990	10	0.251		20

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

(LCS) R4033796-1 02/14/24 14:44 • (LCSD) R4033796-6 02/14/24 16:02

	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	62.4	69.9	92.0	103	85.0-115			11.3	20

L1704445-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1704445-03 02/14/24 15:44 • (MS) R4033796-4 02/14/24 15:53 • (MSD) R4033796-5 02/14/24 15:59

	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	%	%		%			%	%
Methane	67.8	40.8	96.9	96.1	82.7	81.6	1	50.0-150			0.829	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4034089-3 02/11/24 15:10

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) R4034089-3 02/11/24 15:10

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	101			80.0-120
(S) 4-Bromofluorobenzene	96.1			77.0-126
(S) 1,2-Dichloroethane-d4	99.1			70.0-130

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

(LCS) R4034089-1 02/11/24 14:08 • (LCSD) R4034089-2 02/11/24 14:29

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 %
Acetone	25.0	23.3	22.8	93.2	91.2	19.0-160			2.17	27
Benzene	5.00	4.23	4.36	84.6	87.2	70.0-123			3.03	20
Bromochloromethane	5.00	5.02	5.00	100	100	76.0-122			0.399	20
Bromodichloromethane	5.00	4.83	4.92	96.6	98.4	75.0-120			1.85	20
Bromoform	5.00	4.27	4.23	85.4	84.6	68.0-132			0.941	20
Bromomethane	5.00	3.41	3.74	68.2	74.8	10.0-160			9.23	25
Carbon disulfide	5.00	3.94	3.86	78.8	77.2	61.0-128			2.05	20
Carbon tetrachloride	5.00	4.91	5.27	98.2	105	68.0-126			7.07	20
Chlorobenzene	5.00	4.79	4.98	95.8	99.6	80.0-121			3.89	20
Chlorodibromomethane	5.00	4.77	4.78	95.4	95.6	77.0-125			0.209	20
Chloroethane	5.00	4.35	4.36	87.0	87.2	47.0-150			0.230	20
Chloroform	5.00	4.57	4.58	91.4	91.6	73.0-120			0.219	20
Chloromethane	5.00	4.20	4.14	84.0	82.8	41.0-142			1.44	20
Cyclohexane	5.00	4.50	4.63	90.0	92.6	71.0-124			2.85	20
1,2-Dibromo-3-Chloropropane	5.00	3.30	3.68	66.0	73.6	58.0-134			10.9	20
1,2-Dibromoethane	5.00	4.84	4.81	96.8	96.2	80.0-122			0.622	20
1,2-Dichlorobenzene	5.00	4.63	4.71	92.6	94.2	79.0-121			1.71	20
1,3-Dichlorobenzene	5.00	4.83	4.68	96.6	93.6	79.0-120			3.15	20
1,4-Dichlorobenzene	5.00	4.53	4.32	90.6	86.4	79.0-120			4.75	20
Dichlorodifluoromethane	5.00	3.72	3.89	74.4	77.8	51.0-149			4.47	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

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

(LCS) R4034089-1 02/11/24 14:08 • (LCSD) R4034089-2 02/11/24 14:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1-Dichloroethane	5.00	4.53	4.81	90.6	96.2	70.0-126			6.00	20
1,2-Dichloroethane	5.00	4.51	4.71	90.2	94.2	70.0-128			4.34	20
1,1-Dichloroethene	5.00	4.28	4.39	85.6	87.8	71.0-124			2.54	20
cis-1,2-Dichloroethene	5.00	4.61	4.91	92.2	98.2	73.0-120			6.30	20
trans-1,2-Dichloroethene	5.00	4.52	4.83	90.4	96.6	73.0-120			6.63	20
1,2-Dichloropropane	5.00	4.80	4.75	96.0	95.0	77.0-125			1.05	20
cis-1,3-Dichloropropene	5.00	4.63	4.78	92.6	95.6	80.0-123			3.19	20
trans-1,3-Dichloropropene	5.00	4.27	4.55	85.4	91.0	78.0-124			6.35	20
Ethylbenzene	5.00	4.68	4.92	93.6	98.4	79.0-123			5.00	20
2-Hexanone	25.0	18.8	19.0	75.2	76.0	67.0-149			1.06	20
Isopropylbenzene	5.00	4.73	5.10	94.6	102	76.0-127			7.53	20
2-Butanone (MEK)	25.0	23.3	21.6	93.2	86.4	44.0-160			7.57	20
Methyl Acetate	25.0	23.4	21.5	93.6	86.0	57.0-148			8.46	20
Methyl Cyclohexane	5.00	4.38	4.44	87.6	88.8	68.0-126			1.36	20
Methylene Chloride	5.00	4.30	4.38	86.0	87.6	67.0-120			1.84	20
4-Methyl-2-pentanone (MIBK)	25.0	22.2	20.5	88.8	82.0	68.0-142			7.96	20
Methyl tert-butyl ether	5.00	4.62	4.31	92.4	86.2	68.0-125			6.94	20
Styrene	5.00	4.69	4.73	93.8	94.6	73.0-130			0.849	20
1,1,2,2-Tetrachloroethane	5.00	4.40	3.92	88.0	78.4	65.0-130			11.5	20
Tetrachloroethene	5.00	4.95	4.87	99.0	97.4	72.0-132			1.63	20
Toluene	5.00	4.39	4.49	87.8	89.8	79.0-120			2.25	20
1,2,3-Trichlorobenzene	5.00	3.32	2.89	66.4	57.8	50.0-138			13.8	20
1,2,4-Trichlorobenzene	5.00	3.40	3.07	68.0	61.4	57.0-137			10.2	20
1,1,1-Trichloroethane	5.00	4.71	4.86	94.2	97.2	73.0-124			3.13	20
1,1,2-Trichloroethane	5.00	4.70	4.70	94.0	94.0	80.0-120			0.000	20
Trichloroethene	5.00	4.94	5.24	98.8	105	78.0-124			5.89	20
Trichlorofluoromethane	5.00	4.79	5.05	95.8	101	59.0-147			5.28	20
1,1,2-Trichlorotrifluoroethane	5.00	4.82	5.15	96.4	103	69.0-132			6.62	20
Vinyl chloride	5.00	3.98	4.24	79.6	84.8	67.0-131			6.33	20
Xylenes, Total	15.0	13.8	14.8	92.0	98.7	79.0-123			6.99	20
(S) Toluene-d8				97.5	97.1	80.0-120				
(S) 4-Bromofluorobenzene				95.5	92.6	77.0-126				
(S) 1,2-Dichloroethane-d4				102	99.2	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

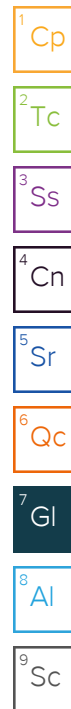
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
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

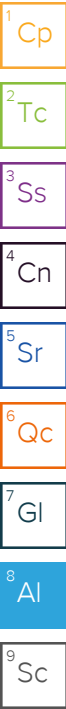
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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 1 of 3

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:
(908) 380-7457

Client Project #
30062947.19.45

Lab Project #
CHEVARCNY-6518040

Collected by (print):
Shekhar Gahlot

Site/Facility ID #
6518040

P.O. #

Collected by (signature):
[Signature]
Immediately
Packed on Ice N ☐ Y ☒

Rush? (Lab MUST Be Notified)

☐ Same Day ☐ Five Day
☐ Next Day ☐ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day

Date Results Needed

Standard TAT

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
MW-27-D2-W-		GW				11
MW-28-D2R-W- 240206	G	GW	—	2/6/24	1925	11
MW-24-D2-W- 240206	G	GW	—	2/6/24	2230	11
MW-24-VDR-W- 240206	G	GW	—	2/6/24	2250	11
AMW-15-VD-W-		GW				11
AMW-7R-W- 240206	G	GW	—	2/6/24	1910	11
AMW-14-VD-W-		GW				11
AMW-14-D2-W-		GW				11
MW-28-D1-W- 240206	G	GW	—	2/6/24	1955	11
MW-26-D2-W-		GW				11

* 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 # **7155 0310 8329**

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:
2/7/24

Time:
1415

Received by: (Signature)

Trip Blank Received: Yes / No
HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: **24.4** °C Bottles Received:

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:
2-8-24

Time:
0900

Hold:

Condition:
NCF / OK



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>

SDG # **11704146**
C086

Acctnum: **CHEVARCNY**

Template: **T182105**

Prelogin: **P1053220**

PM: **526 - Chris McCord**

PB: **2/1/24**

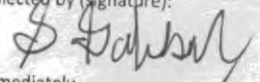
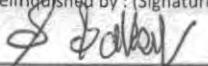
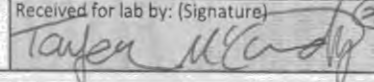
Shipped Via: **FedEX Priority**

Remarks Sample # (lab dnt)

112
2/19/24
-01
-02
-03
-04
-05

PH-10BDH6021 TRC-2352362
CR6-20221V

Date/Time

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 2 of 3	
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/hubfs/pas-standard-terms.pdf	
Project Description: POD 4 - Oceanside 6518040				City/State Collected: Oceanside, NY		Please Circle: PT MT CT ET													
Phone: (908) 380-7457		Client Project # 30062947.19.45		Lab Project # CHEVARCNY-6518040														SDG # U704146	
Collected by (print): Shekhar Gahlot		Site/Facility ID # 6518040		P.O. #														Table #	
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 #														Acctnum: CHEVARCNY	
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed Standard TAT														Template: T182105	
																		Prelogin: P1053220	
																		PM: 526 - Chris McCord	
																		PB: 2/1/24	
																		Shipped Via: FedEX Priority	
																		Remarks Sample # (lab only)	
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	Cntrs												
MW-18R-W- 240206		G	GW	-	2/6/24	0630	11	X	X	X	X	X	X	X	X	X	-11		
BD-W- 240206		G	GW	-	2/6/24	-	11	X	X	X	X	X	X	X	X	X	-12		
FB-W- 240206		G	GW	-	2/6/24	2345	11	X	X	X	X	X	X	X	X	X	-13		
FB-W-			GW				11	X	X	X	X	X	X	X	X	X			
FB-W-			GW				11	X	X	X	X	X	X	X	X	X			
			GW				11	X	X	X	X	X	X	X	X	X			
			GW				11	X	X	X	X	X	X	X	X	X			
TB-W- 240206		G	GW	-	2/6/24	-	1									X	-14		
TB-W-			GW				1									X			
* Matrix:		Remarks:										pH _____ Temp _____		Sample Receipt Checklist					
SS - Soil AIR - Air F - Filter												Flow _____ Other _____		COC Seal Present/Intact: ☒ W					
GW - Groundwater B - Bioassay														COC Signed/Accurate: ☒ N					
WW - WasteWater														Bottles arrive intact: ☒ N					
DW - Drinking Water														Correct bottles used: ☒ N					
OT - Other _____														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:	Time:	Received by: (Signature)		Trip Blank Received: Yes / No													
		2/7/24	1415			Yes													
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: °C		Bottles Received:											
						40.24													
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature)		Date:		Time:		Hold:						Condition: NCF / OK			
						2-8-24		0900											

[illegible]

Date _____