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Date: May 1, 2023
Our Ref: 30062947
Subject: **First Quarter 2023 Groundwater Monitoring Report**
Chevron Facility #6518040
Former Gulf Oil Terminal
3705 Hampton Road, Oceanside, New York
NYSDEC Site #130165

Dear Mr. Scharf,

On behalf of Chevron Environmental Management Company (CEMC), Arcadis of New York, Inc. (Arcadis) has prepared this First Quarter 2023 Groundwater Monitoring Report for the New York State Department of Environmental Conservation (NYSDEC) in accordance with the Order on Consent and Administrative Settlement for the former Gulf Oil Terminal in Oceanside, New York, NYDEC Site #130165 (site; **Figure 1**). This monitoring report summarizes the March 8 through 10, 2023 groundwater sampling event. On December 7, 2017, NYSDEC and CEMC agreed to quarterly progress reporting in lieu of monthly reporting. Relevant site features and existing groundwater monitoring wells are presented on **Figure 2**.

Groundwater Gauging

On March 8, 2023, 35 monitoring wells (AMW-3, AMW-13-D1, AMW-13-D2, AMW-13-VD, AMW-14-D1, AMW-14-D2, AMW-14-VD, AMW-15-D1, AMW-15-D2, AMW-15-VD, AMW-15-D3, AMW-7R, MW-18R, MW-23-D1R, MW-23-D2R, MW-24-D1R, MW-24-D2, MW-24-VDR, MW-26-D1, MW-26-D2, MW-26-VD, MW-27-D2 MW-27-D1R, MW-28-D1, MW-28-D2R, MW-29-D1, MW-29-D2, MW-29-VD, MW-30-D1, MW-30-D2, MW-30-VD, MW-31-D1R, MW-31-D2R, MW-32D, and OW-2-D1) were gauged prior to extracting HydraSleeves™.

Monitoring wells were gauged during high tide at the site on March 8, 2023. Measured depth-to-groundwater in the D1 horizon ranged from 3.64 feet below top of inner casing (btic) in MW-29-D1 to 8.14 feet btic in MW-23-D1R. Measured depth-to-groundwater in the D2 horizon ranged from 3.118 feet btic in MW-29-D2 to 8.85 feet btic in MW-23-D2R. Measured depth-to-groundwater in the VD horizon ranged from 2.61 feet btic in MW-29-VD to 7.63feet btic in AMW-15-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 southwest and east, the D2 horizon is to the north, and for the VD horizon to the west and northeast. The well gauging data is summarized in **Table 1** and illustrated on **Figures 3, 4, and 5**.

Groundwater Sampling

On March 9 and 10, 2023 , groundwater samples were collected from HydraSleeves™ that were deployed in 20 monitoring wells (AMW-14-D1, AMW-14-D2, AMW-14-VD, AMW-7R, AMW-15-D1, AMW-15-D2, AMW-15-D3, AMW-15-VD, MW-18R, MW-23-D1R, MW-23-D2R, MW-24-D1R, MW-24-D2, MW-24-VDR, MW-26-D1, MW-27-D1R, MW-27-D2, MW-28-D1, MW-28-D2R and MW-29-D1). Monitoring well MW-26-D2 was not sampled as the HydraSleeve™ could not be retrieved due to an obstruction in the well. Prior to collection, groundwater parameters (pH, temperature, specific conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity) were collected. The groundwater samples were placed in laboratory-supplied containers, packaged on ice, and transported to Pace Analytical Inc. in Mt. Juliet, Tennessee (New York Certification #11742). Groundwater samples were collected for:

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

The following summarizes the dissolved VOC constituents that were detected above the NYSDEC Technical and Operational Guidance Series (TOGS) guidance values in the samples collected during the Q1 2023 sampling event:

- Benzene exceeded the TOGS Water Guidance value of 1 microgram per Liter (µg/L) at monitoring wells AMW-14-D1 (3.35 µg/L), AMW-15-D1 (3.56 µg/L), AMW-15-D3 (1.66 µg/L), AMW-7R (1.79 µg/L), MW-18R (10.2 µg/L), MW-24-D1R (8.10 [6.96J] µg/L), MW-26-D1 (5.40 µg/L) MW-27-D1R (2.02 µg/L) and MW-28-D1 (3.27 µg/L).
- Ethylbenzene exceeded the TOGS Water Guidance value of 5 µg/L at monitoring well MW-24-D1R (5.25 [4.01J] µg/L) and AMW-14-D1 (5.53 µg/L)
- Xylene exceeded the TOGS Water Guidance value of 5 µg/L at monitoring wells MW-24-D1R (7.30 [5.77 J] µg/L) and MW-18R (5.85 µg/L).
- Methyl tert-butyl ether (MTBE) exceeded the TOGS Water Guidance value of 10 µg/L at monitoring wells AMW-14-D1 (106 µg/L), AMW-14-D2 (13.2 µg/L), AMW-15-D1 (81.3 µg/L), AMW-15-D2 (18.1 µg/L), AMW-15-D3 (12.9 µg/L), MW-23-D1R (44.7 µg/L), MW-23-D2R (29.7 µg/L), MW-24-D1R (136 [127] µg/L), MW-24-D2 (42.0 µg/L), MW-26-D1 (51.7 µg/L) and MW-27-D1R (12.5 µg/L).
- Vinyl chloride exceeds the TOGS Water Guidance value of 2 µg/L at monitoring well MW-27-D1R (11.1 µg/L)
- Trans-1,2-dichloroethene exceeded the TOGS Water Guidance value of 5 µg/L at monitoring wells AMW-14-D1 (6.08 µg/L) and MW-24-D1R (7.77 [6.02J] µg/L).

A blind duplicate sample was collected from monitoring well MW-24-D1R. Duplicate sample results were within acceptable ranges of the parent sample. The higher value of the parent/duplicate result is reported above to be conservative in reporting the data at the blind duplicate sample. The analytical results are summarized in **Table 2** and are illustrated on **Figure 6**. A Copy of the laboratory analytical report is included in **Attachment 2**. Historical groundwater analytical results are presented in **Table 3**. Following groundwater sampling, HydraSleeves™ were deployed in 19 monitoring wells.

Future Site Activities

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

Sincerely,
Arcadis U.S., Inc.

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Table 1
Groundwater Elevation Data – March 8, 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Monitoring Well ID	Date	Well Diameter (in)	Well Depth (feet below TOC)	TOC Elevation (feet NAVD 88)*	Depth to LNAPL (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Table Elevation (feet NAVD 88*)
Shallow Fill Unit Monitoring Wells							
AMW-3	3/8/2023	2	12.35	9.05	ND	6.43	2.62
AMW-7R	3/8/2023	2	13.85	9.95	ND	8.17	1.78
MW-18R	3/8/2023	2	9.72	7.98	ND	4.51	3.47
D1 Horizon Monitoring Wells							
AMW-13-D1	3/8/2023	2	32.90	9.87	ND	7.40	2.47
AMW-14-D1	3/8/2023	2	32.58	9.38	ND	7.84	1.54
AMW-15-D1	3/8/2023	2	35.78	9.74	ND	8.12	1.62
MW-23-D1R	3/8/2023	2	26.04	9.84	ND	8.14	1.70
MW-24-D1R	3/8/2023	2	31.39	9.82	ND	5.32	4.50
MW-26-D1	3/8/2023	2	20.18	9.95	ND	7.51	2.44
MW-27-D1R	3/8/2023	2	32.23	9.01	ND	7.37	1.64
MW-28-D1	3/8/2023	2	30.03	8.25	ND	6.50	1.75
MW-29-D1	3/8/2023	2	21.82	5.21	ND	3.64	1.57
MW-30-D1	3/8/2023	2	29.90	8.74	ND	6.59	2.15
MW-31-D1R	3/8/2023	2	30.00	8.39	ND	6.02	2.37
MW-32D	3/8/2023	2	35.96	8.85	ND	6.67	2.18
OW-2-D1	3/8/2023	2	33.65	9.94	ND	7.64	2.30
D2 Horizon Monitoring Wells							
AMW-13-D2	3/8/2023	2	42.77	9.76	ND	7.38	2.38
AMW-14-D2	3/8/2023	2	42.66	9.37	ND	7.61	1.76
AMW-15-D2	3/8/2023	2	40.71	9.71	ND	8.07	1.64
MW-23-D2R	3/8/2023	2	44.25	10.52	ND	8.85	1.67
MW-24-D2	3/8/2023	2	41.67	10.00	ND	8.10	1.90
MW-26-D2	3/8/2023	2	8.42	9.40	ND	6.41	2.99
MW-27-D2	3/8/2023	2	46.30	9.09	ND	6.88	2.21
MW-28-D2R	3/8/2023	2	46.46	8.40	ND	6.30	2.10
MW-29-D2	3/8/2023	2	37.75	5.38	ND	3.11	2.27
MW-30-D2	3/8/2023	2	46.63	8.72	ND	6.37	2.35
MW-31-D2R	3/8/2023	2	30.00	8.35	ND	6.00	2.35
D3 Horizon Monitoring Wells							
AMW-15-D3	3/8/2023	2	47.97	9.81	ND	8.10	1.71
VD Horizon Monitoring Wells							
AMW-13-VD	3/8/2023	2	71.13	9.77	ND	7.05	2.72
AMW-14-VD	3/8/2023	2	74.33	9.25	ND	7.41	1.84
AMW-15-VD	3/8/2023	2	71.14	9.82	ND	7.63	2.19
MW-24-VDR	3/8/2023	2	68.61	9.72	ND	7.40	2.32
MW-26-VD	3/8/2023	2	67.45	9.99	ND	7.41	2.58
MW-29-VD	3/8/2023	2	59.72	5.27	ND	2.61	2.66
MW-30-VD	3/8/2023	2	82.84	8.70	ND	5.56	3.14

Notes:
*Top of casing elevations were surveyed by Borbas Surveying & Mapping, LLC, September 18, 2017 and re-drilled wells on June 1, 2018.
in = Inches
TOC = top of casing
NAVD 88 = North America Vertical Datum of 1988
LNAPL = light non aqueous phase liquid
ND = not detected

Table 2
Summary of Groundwater Sampling Results – March 9-10, 2023
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Lab Sample ID	Date Sampled	Volatile Organics										GC Volatiles - RSK-175	Inorganics			General Chemistry			
		Benzene	Toluene	Ethyl-benzene	Xylene (total)	Methyl-t-butyl ether	Isopropyl-benzene	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Trichloro-ethene (Trichloro-ethylene)	Vinyl Chloride Chloroethene)	Carbon Dioxide	Iron	Manganese	Sodium	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Nitrate-Nitrite
NYSDEC TOGS 1.1.1		1	5	5	5	10	5	5	5	5	2	NE	300	300	20,000	NE	250	NE	10,000
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	ug/L
AMW-14-D1	3/9/2023	**3.35**	<1.00	**5.53**	**0.436 J**	**106**	**1.07**	<1.00	**6.08**	<1.00	<1.00	**30.5 B T8**	**672**	**14.4**	**962,000**	**279,000**	**1,340**	**0.018 J**	--
AMW-14-D2	3/9/2023	**0.193 J**	<1.00	<1.00	<3.00	**13.2**	**0.106 J**	<1.00	**0.835 J**	<1.00	<1.00	**72.8 B T8**	**757**	**115**	**2,460,000**	**595,000**	**2,860**	**0.309**	<500
AMW-14-VD	3/9/2023	<1.00	<1.00	<1.00	<3.00	**0.155 J**	<1.00	<1.00	<1.00	<1.00	<1.00	**116 B T8**	**18,700**	**399**	**9,190,000**	**609,000**	**15,800**	<0.10	<100
AMW-15-D1	3/10/2023	**3.56**	<1.00	**3.22**	**0.273 J**	**81.3**	**0.420 J**	<1.00	**1.08**	<1.00	<1.00	**44.8 B T8**	**735**	**24.5**	**1,620,000**	**649,000**	**2,630**	**0.438**	<1,000
AMW-15-D2	3/10/2023	**0.198 J**	<1.00	<1.00	<3.00	**18.1**	<1.00	<1.00	<1.00	<1.00	<1.00	**47.5 B T8**	**1,410**	**65.5**	**1,570,000**	**631,000**	**3,130**	**0.134**	<500
AMW-15-D3	3/9/2023	**1.66**	<1.00	**0.215 J**	**0.486 J**	**12.9**	<1.00	**1.45**	<1.00	**3.87**	**0.561 J**	**88 B T8**	**2,220**	**1,340**	**4,330,000**	**432,000**	**7,220**	**0.297**	<500
AMW-15-VD	3/10/2023	<1.00	<1.00	<1.00	<3.00	**0.226 J**	<1.00	<1.00	<1.00	<1.00	<1.00	**31.1 B T8**	**5,470**	**310**	**8,520,000**	**708,000**	**16,400**	**3.08**	<100
AMW-7R	3/10/2023	**1.79**	<1.00	**0.992 J**	**2.98 J**	**0.103 J**	**1.33**	<1.00	<1.00	<1.00	<1.00	**23 B T8**	**5,490**	**1,320**	**91,000**	**370,000**	**126**	<0.10	<500
MW-18R	3/9/2023	**10.2**	**3.40**	**0.933 J**	**5.85**	**1.48**	**4.26**	**0.177 J**	<1.00	<1.00	<1.00	<20 T8	--	--	--	**245,000**	**213**	--	--
MW-23-D1R	3/9/2023	<1.00	<1.00	<1.00	<3.00	**44.7**	**0.186 J**	<1.00	<1.00	<1.00	<1.00	**58.2 B T8**	**5,640**	**472**	**1,430,000**	**558,000**	**2,670**	**4.82**	<1,000
MW-23-D2R	3/9/2023	<1.00	<1.00	<1.00	<3.00	**29.7**	<1.00	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--	--
MW-24-D1R	3/10/2023	**8.10 [6.69 J]**	**0.643 J [<10.0]**	**5.25 [4.01 J]**	**7.30 [5.77 J]**	**136 [127]**	**0.543 J [<10.0]**	**0.218 J [<10.0]**	**7.77 [6.02 J]**	**0.289 J [<10.0]**	<1.00 [<10.0]	**59.1 B T8 [57.4 B T8]**	**2,770 [8,930]**	**50.8 [115]**	**1,500,000 [1,550,000]**	**563,000 [519,000]**	**2,560 [2,550]**	**2.08 [8.47]**	<1,000 [<1,000]
MW-24-D2	3/10/2023	**0.207 J**	<1.00	<1.00	<3.00	**42.0**	<1.00	<1.00	<1.00	<1.00	<1.00	**103 B T8**	**828**	**65.0**	**2,110,000 V**	**716,000**	**3,560**	<0.05	<500
MW-24-VDR	3/10/2023	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<20 T8	**3,290**	**25.2**	**293,000**	**176,000**	**3,500**	**1.65**	**371**
MW-26-D1	3/10/2023	**5.40**	<1.00	**2.08**	**4.18**	**51.7**	**0.476 J**	<1.00	<1.00	<1.00	<1.00	**69.5 B T8**	**502**	**43.3**	**1,260,000**	**466,000**	**2,200**	<0.05	<100
MW-27-D1R	3/9/2023	**2.02**	<1.00	**0.214 J**	**0.489 J**	**12.5**	<1.00	<1.00	**1.07**	<1.00	**11.1**	**124 B T8**	**371**	**50.1**	**2,290,000**	**765,000**	**3,680**	**0.113**	**22,600**
MW-27-D2	3/9/2023	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**153 T8**	**9,230**	**1,560**	**4,010,000**	**305,000**	**8,440**	**6.95**	<100
MW-28-D1	3/9/2023	**3.27**	<1.00	**1.34**	**0.636 J**	**6.58**	**0.211 J**	<1.00	<1.00	<1.00	<1.00	**105 B T8**	**530**	**76.9**	**1,850,000**	**717,000**	**3,500**	<0.05	<500
MW-28-D2R	3/9/2023	<1.00	<1.00	<1.00	<3.00	**0.239 J**	<1.00	<1.00	<1.00	<1.00	<1.00	**125 T8**	**258**	**287**	**2,390,000**	**401,000**	**4,350**	<0.05	<500
MW-29-D1	3/10/2023	<1.00	<1.00	<1.00	<3.00	**8.73**	<1.00	<1.00	<1.00	<1.00	<1.00	**98 B T8**	**12,500**	**152**	**229,000**	**669,000**	**577**	<0.10	<100

Notes:
ID = Identification
NYSDEC = New York State Department of Environmental Conservation
TOGS = NYSDEC Technical and Operational Guidance Series ambient water quality standards and guidance values of June 1998
<1.0 = not detected at or above the reporting limit
mg/L = milligrams per liter
ug/L = micrograms per liter
Bold = detected concentration
Shade = concentration was above the TOGS
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.
CaCO3 '= calcium carbonate
J = Analyte was detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
J4 = The associated batch QC was outside the established quality control range for accuracy
T8 = Sample(s) received past/too close to holding time expiration.
NE = Not established
[ ] = Duplicate analysis results
-- = Not sampled

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

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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
NYSDEC TOGS 1.1.1		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
	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	< 10	< 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
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	< 10	< 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

See Notes on Page 61.

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

ARCADIS

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
NYSDEC TOGS 1.1.1		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-14-D2 (cont.)	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	**0.129 J**	<1.00	<5.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	**0.105 J**	<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	**0.124 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
	3/9/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<1.00	<5.00 C3	<1.00	<1.00	<1.00
AMW-14-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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
	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	< 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
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 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	**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	**0.45 J**
	2/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.46 J**
	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
	8/20/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	**0.350 J**
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	**0.119 J**
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	**0.221 J**
	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	0.293 J
	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
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	**0.343 J**
	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	**0.204 J**
AMW-15-D1	6/23/2016	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	10/26/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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
	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
	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**1.5 J**	< 5.0	< 50	< 5.0	< 5.0	< 5.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	**0.89 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.75 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.87 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 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	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00
	8/19/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00 J4	<5.00
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.325 J	<1.00	<5.00	<1.00	<1.00	<1.00
	3/19/2021	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00
	6/2/2021	<1.00 J3	<1.00	<1.00	<1.00	<1.00 J3	<1.00	<1.00 J3	<5.00	<1.00 J3	<1.00	<1.00 J3
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	**0.665 J**	<1.00	<5.00	<1.00	<1.00	<1.00

See Notes on Page 61.

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

ARCADIS

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
NYSDEC TOGS 1.1.1		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-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	<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	<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	<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	<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	<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	< 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	< 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
	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	< 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	< 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	< 10	< 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	<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
	11/4/2020	<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	<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
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	5/4/2022	<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 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	<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
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	< 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	< 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	< 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
	7/13/2018	< 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	< 10	< 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	**0.187 J**	<1.00	<5.00	<1.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.104 J**	<1.00	<5.00	<1.00	<1.00 J4	<1.00
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.139 J**	<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
	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

See Notes on Page 61.

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

ARCADIS

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
NYSDEC TOGS 1.1.1		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
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	< 10	< 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
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	< 10	< 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
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

See Notes on Page 61.

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

ARCADIS

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
NYSDEC TOGS 1.1.1		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
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	< 50	< 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
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	< 10	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 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
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

See Notes on Page 61.

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

ARCADIS

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
NYSDEC TOGS 1.1.1		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
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	< 50	< 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 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	**0.72 J [0.69 J]**	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	12/5/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	**0.36 J [0.71 J]**	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	2/11/2020	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 * [<1.0]	< 1.0 * [<1.0]	< 1.0 [<1.0]	**0.46 J [0.59 J**	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	6/9/2020	<5.00 [<5.00]	<5.00 [<5.00]	22	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]
	8/19/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 J4 [<5.00 J4]	<5.00 [<5.00]
	11/5/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]
	3/19/2021	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	**0.457 J [<5.00]**	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]
	6/1/2021	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 J4 [<5.00]	**0.406 J [<5.00]**	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]
	11/16/2021	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00 C3]	<1.00 [<1.00]	<1.00 [<1.00]	**0.327 J [0.365 J]**	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
	2/2/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	**0.331 J [0.363 J]**	<1.00 C3 [<1.00 C3]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
	5/4/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	**0.344 J [0.408 J]**	<1.00 C3 [<1.00 C3]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
	8/24/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	**0.322 J [0.302 J]**	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
	11/29/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	**0.330 J [0.280 J]**	<1.00 C3 [<1.00 C3]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
	3/10/2023	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	**0.252 J** [<10.0]	<1.00 C3 [<10.0 C3]	<5.00 [<50.0]	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]
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	< 10	< 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

See Notes on Page 61.

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

Location ID	Date Sampled	Volatile Organics										
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane
NYSDEC TOGS 1.1.1		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-24-D2 (cont.)	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	**0.293 J**	<1.00	<5.00	<1.00	<1.00	<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
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	< 10	< 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
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	< 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
	7/5/2017	< 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
	10/11/2017	< 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	< 10	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 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

See Notes on Page 61.

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

Location ID	Date Sampled	Volatile Organics										
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane
NYSDEC TOGS 1.1.1		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-26-D2	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 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	< 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	< 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
	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	< 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
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 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
	12/6/2019	< 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	**0.102 J**	<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
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
MW-26-VD	1/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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
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	< 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
	7/5/2017	< 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
	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
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 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	**0.29 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.36 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/19/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00
	11/6/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	**0.359 J**	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	**0.278 J**	<1.00	<5.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	**0.268 J**	<1.00 J4	<5.00	<1.00	<1.00	<1.00
	11/17/2021	<1.00	<1.00	<1.00	<1.00	<1.00	**0.353 J**	<1.00	<5.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	**0.325 J**	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	**0.294 J**	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	**0.381 J**	<1.00 C3	<5.00	<1.00	<1.00	<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
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
	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
	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
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 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	< 10	< 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	< 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	< 1.0

See Notes on Page 61.

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

Location ID	Date Sampled	Volatile Organics										
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane
NYSDEC TOGS 1.1.1		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 J4	<1.00	**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
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	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.58 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 10	< 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
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	< 10	< 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

See Notes on Page 61.

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

Location ID	Date Sampled	Volatile Organics										
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane
NYSDEC TOGS 1.1.1		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
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	< 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	< 10	< 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
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	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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
	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
MW-30-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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
	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
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

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	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-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
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

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

ARCADIS

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)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	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-14-D2 (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
AMW-14-VD	6/23/2016	< 1.0	< 1.0	< 1.0	**3.9 J**	< 5.0	**2.1 J**	**22**	< 1.0	**0.87 J**	**3**	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**8.9 J**	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**3.7 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	< 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
	2/12/2020	<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
	8/20/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/5/2020	<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	<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 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	<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
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

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	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-D1 (cont.)	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
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
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
	2/11/2020	< 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

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	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
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
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
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

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	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
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
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

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	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
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 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	<5.0 [<5.0]	<5.0 [<5.0]	**13 [13]**	< 1.0 [<1.0]	<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]	<5.0 [<5.0]	**9.4**	**5.7 [11]**	< 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]	<5.0 [<5.0]	<5.0 [<5.0]	<5.0 [<5.0]	**6[<5.0]**	**8.9 [13]**	< 1.0 [<1.0]	<1.0 [<1.0]	< 1.0 [<1.0]
	6/9/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<50.0 [<50.0]	<50.0 [<50.0]	<50.0 [<50.0]	<250 [<250]	**10.3 [11.7]**	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]
	8/19/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<50.0 [<50.0]	<50.0 [<50.0]	<50.0 [<50.0]	<250 [<250]	**10.2 [9.74]**	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]
	11/5/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<50.0 [<50.0]	<50.0 [<50.0]	<50.0 [<50.0]	<250 [<250]	**10.9 [8.99]**	<5.00 [<5.00]	<5.00 C3 [<5.00 C3]	<25.0 C3 [<25.0 C3]
	3/19/2021	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<10.0 [<50.0]	<10.0 [<50.0]	**0.587 J[<50.0]**	<50.0 [<250]	**11.3 [11.5]**	<1.00 [<5.00]	<1.00 [<5.00] [<5.00 C3]	<5.00 [<25.0]
	6/1/2021	<1.00 [<5.00 C3]	<1.00 [<5.00]	<1.00 [<5.00]	<10.0 C3 [<50.0 C3]	<10.0 [<50.0 C3]	<10.0 [<50.0 C3]	<50.0 C3 [<250]	**10.7 [9.19]**	<1.00 [<5.00]	<1.00 [<5.00]	<5.00 [<25.0 C3]
	11/16/2021	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 [<10.0]	**0.529 J [0.584 J]**	<50.0 C3 [<50.0 J4]	**8.94 [8.91]**	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]
	2/2/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 [<10.0]	<10.0 [<10.0]	<50.0 [<50.0]	**7.66 [8.31]**	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]
	5/4/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 [<10.0]	<10.0 [<10.0]	<50.0 [<50.0]	**11.2 [12.1]**	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]
	8/24/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	0 C3 J4 [<10.0 C3	<10.0 [<10.0]	<50.0 [<50.0]	**10.5 [9.61]**	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 C3 [<5.00 C3]
	11/29/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 [<10.0]	<10.0 [<10.0]	<50.0 J4 [<50.0 J4]	**8.84 [7.97]**	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]
	3/10/2023	<1.00 [<10.0]	<1.00 [<10.0]	<1.00 [<10.0]	<10.0 [<100]	<10.0 [<100]	<10.0 [<100]	<50.0 [<500]	**3.10 [6.96 J**	<1.00 [<10.0]	<1.00 [<10.0]	<5.00 [<50.0]
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

See Notes on Page 61.

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

ARCADIS

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)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	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
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
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

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	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-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
MW-26-VD	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-27-D1R	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
	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
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

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

ARCADIS

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)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	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-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
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	< 10	< 10	< 10	< 100	< 50	< 50	**280**	< 10	< 10	< 10	< 10
	7/5/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	**8.9**	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**2.7 J**	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**3.7 J**	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	**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
	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
MW-28-D2R	6/24/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**3.3 J**	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**4.4 J**	< 1.0	**1.2**	**5.6**	< 1.0
	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	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 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	**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

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

ARCADIS

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)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	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-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 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
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
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

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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
NYSDEC TOGS 1.1.1		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-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**
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**

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

ARCADIS

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
NYSDEC TOGS 1.1.1		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-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
AMW-14-VD	6/23/2016	**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
	7/27/2016	**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
	7/5/2017	**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
	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	**1.6**	< 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
	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
	2/12/2020	<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	<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
	8/20/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/5/2020	<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	**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
	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	**1.23 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
	2/2/2022	<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
	8/24/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	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	<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
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**

See Notes on Page 61.

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

ARCADIS

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
NYSDEC TOGS 1.1.1		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-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**
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
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**

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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
NYSDEC TOGS 1.1.1		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**
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
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**
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**

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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
NYSDEC TOGS 1.1.1		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
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	**20**	< 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**
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
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

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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
NYSDEC TOGS 1.1.1		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
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.]**	< 1.0 * [<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 [<25.0]	**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]	<1.00 [<10.0]	<5.00 [<50.0]	**5.25 [4.01 J]**
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

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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
NYSDEC TOGS 1.1.1		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-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
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
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**

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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
NYSDEC TOGS 1.1.1		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	**0.86 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
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	< 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
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	< 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
	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
	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	<25.0	<25.0	<12.5	**0.855 J**	<5.00	<5.00	<5.00	<25.0	<5.00
	11/6/2020	**1.74 J**	<5.00	<5.00	<25.0	<25.0	<12.5	**1.13 J**	<5.00	<5.00	<5.00	<25.0	<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**
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	< 4.0	**22 J**	< 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

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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
NYSDEC TOGS 1.1.1		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-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
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	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	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**
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

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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
NYSDEC TOGS 1.1.1		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-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
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
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	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)	Trichloro-fluoro-methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	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-12	1/14/2016	**24**	< 13	**32.0**	**5.4**	< 5.0	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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**	< 1.0
	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**	< 1.0
	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**	<5.00
	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	<5.00
	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**	<5.00
	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**	<5.00
	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**	<5.00
	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	<5.00
	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**	<5.00
	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	<5.00
	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**	<5.00
	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	<5.00
	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	<5.00
	3/9/2023	**1.07**	<20.0	**106**	**1.35**	<5.00	<1.00	<1.00	<1.00	**6.08**	<1.00	<1.00	<5.00
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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	<50.0
	8/19/2020	<10.0	<200	**32.0**	<10.0	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0
	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	<5.00
	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	<5.00
	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	<5.00

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)	Trichloro-fluoro-methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	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-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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00 C3J4
	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	<5.00
	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	<5.00
	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	<5.00
AMW-14-VD	6/23/2016	< 1.0	< 2.5	**0.91 J**	**0.36 J**	< 1.0	< 1.0	**0.59 J**	**10**	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	**0.59 J**	< 1.0	< 1.0	< 1.0	**0.41 J**	**8.2**	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 2.5	**0.51 J**	< 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	**0.42 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 2.5	**0.65 J**	**0.58 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 1.0	< 2.5	**0.49 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 10	< 1.0	< 5.0	< 5.0	< 1.0	< 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	<1.0
	9/13/2019	<1.0	<5.0	**0.54 J**	<1.0	**0.36 J**	<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	<1.0
	2/12/2020	<1.0	<5.0	<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 J4	<20.0	**0.317 J**	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00
	8/20/2020	<1.00	<20.0	**0.303 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<20.0	**0.434 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	3/19/2021	<1.00	<20.0	**0.270 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	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	<5.00
	8/12/2021	<1.00	<20.0	**0.272 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<20.0	**0.267 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<20.0	**0.263 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<20.0	**0.217 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3J4
	8/24/2022	<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	<5.00
	11/29/2022	<1.00	<20.0	**0.198 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	3/9/2023	<1.00	<20.0	**0.155 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
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**	< 1.0
	7/27/2016	< 5.0	< 13	**51**	< 5.0	**140**	< 5.0	< 5.0	**7.5**	< 5.0	< 5.0	**73**	< 5.0
	10/26/2016	< 10	< 25	**110**	**3.3 J**	**8.9 J**	< 10	< 10	**18**	< 10	< 10	**48**	< 10
	10/26/2016	< 4.0	< 10	**180**	**0.87 J**	**4.1**	< 4.0	< 4.0	**6.6**	< 4.0	< 4.0	**18**	< 4.0
	7/5/2017	< 4.0	< 10	**170**	< 4.0	< 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	< 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	< 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	< 5.0
	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	< 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	< 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	< 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	< 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	<25.0
	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	<25.0
	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	<5.00
	3/19/2021	<5.00	<100	**127**	<5.00	<25.0	<5.00	<5.00	<5.00	**5.63**	<5.00	<5.00	<25.0
	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	<5.00
	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**	<5.00

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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)	Trichloro-fluoro-methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	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-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	<5.00
	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	<5.00
	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	<5.00
	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**	<5.00
	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	<5.00
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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
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	< 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	< 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	< 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**	< 4.0
	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	< 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**	< 2.0
	10/17/2018	< 1.0	< 10	**10**	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**3.5**	< 1.0
	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**	< 1.0
	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**	< 1.0
	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	< 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**	< 1.0
	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	<5.00
	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**	<5.00
	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**	<5.00
	3/19/2021	**0.672 J**	<20.0	**63.6**	<1.00	<5.00	**0.147 J**	<1.00	**2.41**	**0.435 J**	<1.00	**51.1**	<5.00
	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**	<5.00
	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**	<5.00
	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**	<5.00

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)	Trichloro-fluoro-methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	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	**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**	<5.00
	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**	<5.00
	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**	<5.00
	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**	<5.00
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	< 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	< 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	< 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	< 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	< 1.0
	10/17/2018	< 1.0	< 10	**1.3**	< 5.0	< 5.0	< 1.0	< 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	< 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	< 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	< 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	< 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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00 C3 J4
	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	<5.00
	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	<5.00
	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	<5.00
AMW-3	1/13/2016	**65**	< 13	< 5.0	**27**	**15**	< 5.0	< 5.0	**6.9**	< 5.0	< 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	< 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	< 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	< 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	< 2.0
	10/17/2018	**4.9**	< 10	< 1.0	**50**	< 5.0	< 1.0	< 1.0	**0.60 J**	< 1.0	< 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	< 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	< 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	< 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	< 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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00 C3J4
	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	<5.00
	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	<5.00
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**	< 1.0
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**	< 1.0
ASB-4	6/7/2016	< 5.0	< 13	**13**	**4.5 J**	**330**	< 5.0	**6.7**	**9**	**13**	< 5.0	**1500 E**	< 5.0

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)	Trichloro-fluoro-methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	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
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**	< 1.0
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**	< 2.0
MW-18R	6/22/2016	**14**	< 25	**65**	**4.4 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	7/11/2018	< 20	< 50	**11 J**	**5.1 J**	< 20	< 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	< 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	< 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	< 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	< 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	<25.0
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00 C3J4
	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	<5.00
	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	<5.00
	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	<5.00
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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
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	< 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	< 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	< 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	< 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	< 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	<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	< 1.0

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)	Trichloro-fluoro-methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	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	< 5.0	63	< 1.0	0.47 J	< 1.0	< 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	< 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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00 C3J4
	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	<5.00
	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	<5.00
	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	<5.00
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	< 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	< 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	< 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	< 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	< 4.0
	7/12/2018	< 8.0	< 20	290	< 8.0	< 8.0	< 8.0	< 8.0	23	22	< 8.0	< 8.0	< 8.0
	10/16/2018	< 5.0	< 50	270	< 25	< 25	< 5.0	< 5.0	17	12	< 5.0	< 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	< 1.0
	9/13/2019	0.97 J [0.86 J]	<5.0 [<5.0]	210 [200]	0.63 J [0.57 J]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	7.2 [6.4]	16	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	12/5/2019	1.0	<5.0 [<5.0]	180 [210]	1.0	< 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]	< 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]	< 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]	<25.0 [<25.0]
	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]	<25.0 [<25.0]
	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]	<25.0 [<25.0]
	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]	<5.00 [<25.0]
	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]	<5.00 [<25.0 C3]
	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]	<5.00 [<5.00]
	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]	<5.00 [<5.00]
	5/4/2022	0.851 J [0.0.815 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]	<5.00 [<5.00 C3 J4]
	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]	<5.00 [<5.00]
	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]	<5.00 [<5.00]
	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]	<5.00 [<50.0]
MW-24-D2	1/13/2016	< 5.0	< 13	260	< 5.0	< 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	< 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	< 1.0
	10/25/2016	< 4.0	< 10	120	< 4.0	120	< 4.0	< 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	< 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	< 8.0
	8/27/2017	< 8.0	< 20	87	< 8.0	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 1.0

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)	Trichloro-fluoro-methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	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-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	<5.00
	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	<5.00
	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**	<5.00
	3/19/2021	<1.00	<20.0	**448**	<1.00	<5.00	<1.00	<1.00	<1.00	**1.19**	<1.00	<1.00	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00 C3 J4
	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	<5.00
	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	<5.00
	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	<5.00
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	< 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	< 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	< 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	< 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	< 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	< 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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
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	< 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	< 4.0
	10/25/2016	< 10	< 25	**310**	< 10	< 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	< 4.0
	7/5/2017	< 10	< 25	**290**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	8/27/2017	< 10	< 25	**240**	< 10	< 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	< 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	< 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	< 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	< 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	< 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	< 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	<5.00
	8/19/2020	**0.555 J**	<20.0	**97.4**	<1.00	<5.00	<1.00	<1.00	<1.00	**1.57**	<1.00	<1.00	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00

See Notes on Page 61.

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

ARCADIS

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)	Trichloro-fluoro-methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	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	< 13	< 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	< 2.5	**59**	< 1.0	< 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	< 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	< 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	< 1.0
	8/27/2017	< 8.0	< 20	< 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	< 2.5	**14**	< 1.0	< 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	< 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**	< 1.0
	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	1.0 U
	12/6/2019	< 1.0	< 5.0	**29**	< 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	**52**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<20.0	**105**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<20.0	**64.4**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	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	<5.00
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	< 1.0
	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	< 1.0
MW-27-D1R	1/13/2016	< 5.0	< 13	< 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	< 2.5	**10**	< 1.0	< 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	< 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	< 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	< 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**	< 1.0
	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	< 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	< 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**	1.0 U
	8/19/2020	<5.00	<100	**26.0**	<5.00	<25.0	<5.00	<5.00	<5.00	**1.52 J**	<5.00	<5.00	<25.0
	11/6/2020	<5.00	<100	**22.2**	<5.00	<25.0	<5.00	<5.00	<5.00	**2.01 J**	<5.00	<5.00	<25.0
	3/20/2021	<1.00	<20.0	**21.1**	<1.00	<5.00	<1.00	<1.00	**0.450 J**	**1.82**	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<20.0 C3	**27.6**	<1.00	<5.00	<1.00	<1.00	**0.774 J**	**2.80**	<1.00	**0.349 J**	<5.00
	8/12/2021	<1.00	<20.0	**21.3**	<1.00	<5.00	<1.00	<1.00	**0.544 J**	**1.87**	<1.00	**0.230 J**	<5.00
	11/17/2021	<1.00	<20.0	**37.6**	<1.00	<5.00	<1.00	<1.00	**1.20**	**3.89**	<1.00	**0.355 J**	<5.00
	2/2/2022	<1.00	<20.0	**18.8**	<1.00	<5.00	<1.00	<1.00	**0.297 J**	**1.80**	<1.00	**0.208 J**	<5.00
	5/5/2022	<1.00	<20.0	**19.1**	<1.00	<5.00	<1.00	<1.00 C3	**0.474 J**	**2.11**	<1.00	**0.260 J**	<5.00
	11/29/2022	<1.00	<20.0	**0.247 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	3/9/2023	<1.00	<20.0	**12.5**	<1.00	<5.00	<1.00	<1.00	<1.00	**1.07**	<1.00	<1.00	<5.00
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	< 5.0
	6/21/2016	**38**	< 10	**8.1**	**26**	**5.7**	< 4.0	< 4.0	**17**	< 4.0	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 1.0

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Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)	Trichloro-fluoro-methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	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-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	< 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	< 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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00 C3J4
	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	<5.00
	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**	<5.00
	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	<5.00
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	< 1.0
	7/28/2016	< 10	< 25	**4.7 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	7/5/2017	< 1.0	< 2.5	**19**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 10	**6.6**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 10	**4.8**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	**0.33 J**	< 10	**9.5**	< 5.0	< 5.0	< 1.0	< 1.0	**0.39 J**	< 1.0	< 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	< 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	< 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	< 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	< 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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00 C3 J4
	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	<5.00
	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	<5.00
	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	<5.00
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	< 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	< 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	< 1.0
	8/27/2017	< 4.0	< 10	< 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	< 2.5	< 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	< 10	< 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	< 10	< 1.0	< 5.0	< 5.0	< 1.0	< 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	< 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	< 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	< 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	< 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	<5.00
	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	<5.00
	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	<5.00

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through March 2023
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)	Trichloro-fluoro-methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	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-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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00 C3J4
	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	<5.00
	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	<5.00
	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	<5.00
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	< 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	< 1.0
	10/26/2016	**16**	< 2.5	**44**	**10**	< 1.0	< 1.0	< 1.0	**3.1**	< 1.0	< 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	< 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	< 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	< 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	< 4.0
	7/13/2018	**19**	< 10	**39**	**11**	< 4.0	< 4.0	< 4.0	**3.0 J**	< 4.0	< 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	< 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	< 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	< 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	< 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	< 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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
	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	<5.00
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	< 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	< 1.0
MW-29-VD	1/14/2016	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	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	< 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	< 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	< 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	< 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	< 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	< 1.0
MW-30-VD	1/14/2016	< 10	< 25	< 10	< 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	< 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	< 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	< 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	< 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	< 1.0

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

Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
AMW-12	1/14/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-D1	6/24/2016	**1.3**	< 2.0	NA	NA	NA	NA	**3,500**	**510 B**	NA	**569,000 B**	**5,69,000 B**	NA	NA
	7/27/2016	**9.9**	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-D2	6/23/2016	< 1.0	< 2.0	NA	NA	NA	NA	**2,700**	**740 B**	NA	**1100 B**	**7,32,000 B**	NA	NA
	7/27/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-VD	6/23/2016	< 1.0	< 2.0	NA	NA	NA	NA	**26,100**	**1100 B**	NA	**1100 B**	**7,32,000 B**	NA	NA
	7/27/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-14-D1	6/24/2016	**1.4**	< 2.0	NA	NA	NA	NA	**410**	**370 B**	NA	**< 140**	**8,86,000 B**	NA	NA
	7/26/2016	**1600 E**	**11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	**78**	**3.2 J**	**130**	< 150	< 140	**1,100**	**4,700**	**48**	**16,90,000 ^**	NA	**7,16,000 B**	**3,060**	**4.5**
	8/27/2017	**7.6**	< 8.0	**79**	< 330	**200 J**	**550**	**5,200**	**49 B**	**1,730,000**	NA	**5,63,000 B**	**3,130**	**5.2**
	10/11/2017	**3.2**	**20**	**23**	< 170	**190**	**580**	**4,400**	**48 B**	**1,590,000**	NA	**563,000**	**1,860**	**4.4**
	7/12/2018	< 8.0	**16**	**42**	< 660	**260 J**	**2,000**	**1,600**	**14 B**	**975,000**	NA	**6,23,000 B**	**2,970**	**1.5**
	10/17/2018	**32**	**1.6 J**	**120 B**	< 330	< 310	**1,600**	**5,000**	**55 B**	**1,560,000**	NA	**673,000**	**3,620**	**4.7**
	5/10/2019	**2.1**	**16**	**73**	**150 J**	**440**	**1,900**	**5,780**	**94.9**	**1,740,000**	NA	**805,000**	**3,700**	**5.8**
	9/13/2019	**9**	< 2.0	**150**	<83	<77	**3,600**	**3,630**	**70.2**	**1,680,000**	NA	**779,000**	**3,000**	**3.1**
	12/5/2019	**22**	**1.8 J**	**160**	**13**	**210**	**3,800**	**6,940**	**59**	**1,100,000**	NA	**582,000**	**2,100**	**6.9**
	2/12/2020	**40**	**5.7**	**100 B**	**160**	**690**	**3,000 B**	**5,170**	**41.1**	**967,000**	NA	**386,000**	**2,400**	**5**
	6/10/2020	**5.59**	**0.780 J**	**43.1 T8**	<13.0	**86.3**	**3,200**	**1,800**	**33.3**	**1,380,000**	NA	**613,000**	**2,750**	**0.334 T8**
	8/19/2020	**4.74**	**4.86**	**42,500 T8**	**378**	**176**	**3,340**	**8,480**	**131**	**1,930,000**	NA	**678**	**2,950**	**6.97 T8**
	11/4/2020	**6.16**	**3.95**	**28.2 T8**	**816**	**225**	**5,990**	**3,130**	**22.0**	**986,000**	NA	**581,000**	**3,030**	**2.71 T8**
	3/19/2021	**25.3**	**3.77**	**61.8 P1 T8**	**110**	**661**	**5,200**	**12,500**	**150**	**1,950,000**	NA	**808,000**	**3,950**	**10.1 T8**
	6/2/2021	**7.18**	**3.61**	**36.4 T8**	**831**	**171**	**6,810**	**3,040**	**70.9**	**1,890,000**	NA	**719,000**	**3,180**	**2.53**
	8/12/2021	<1.00 J4	**3.90**	**56.1 B T8**	**437**	**445**	**4,350**	**5,080**	**88.3**	**2,060,000**	NA	**637,000**	**2,480**	**2.53**
	11/16/2021	**10.4**	**2.95 J**	**60.8 BT8**	**14.6**	**102**	**777**	**4,560**	**38.6**	**1,180,000**	NA	**674,000**	**3,010**	**2.53**
	2/2/2022	<1.00	**1.38 J**	**40.8 T8**	**93.6**	**16.8**	**1,020**	**5,220**	**94.9**	**1,900,000**	NA	**541,000**	**3,090**	**3,840**
	5/5/2022	**9.17**	**2.71 J**	<20 J T8	**325**	**251**	**3,850**	**5,910**	**109**	**2,020,000**	NA	**409,000**	**1,900**	**3,840**
	8/24/2022	**5.48**	**1.14 J**	**84.9 B T8**	**250**	**120**	**3,660**	**5,400**	**76.2**	**1,620,000**	NA	**391,000**	**2,450**	**0.303**
	11/29/2022	**4.80**	**2.89 J**	**67.7 B T8**	**381**	**118**	**5,180**	**2,090**	**19.5**	**1,100,000**	NA	**669,000**	**3,450**	**1.52**
	3/9/2023	<1.00	**0.436 J**	**30,500 B T8**	**316**	<13.0	**3,400**	**672**	**14.4**	**962,000**	NA	**279,000**	**1,340**	**0.018 J**
AMW-14-D2	6/23/2016	< 1.0	< 2.0	NA	NA	NA	NA	**6,600**	**510 B**	NA	**740 B**	**7,40,000 B**	NA	NA
	7/26/2016	**3.6**	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2017	< 1.0	< 2.0	**18**	< 83	< 77	**210**	**34 J**	**16 B**	**13,500**	NA	**4,39,000 B**	**4,930**	< 0.10
	10/11/2017	< 1.0	< 2.0	**100**	< 170	< 150	**1,200**	**17,300**	**760 B**	**3,260,000**	NA	**830,000**	**4,070**	**17.3**
	7/12/2018	< 2.0	< 4.0	**120**	< 330	< 310	**970**	**2,500**	**78 B**	**2,210,000**	NA	**7,85,000 B**	**4,380**	**2.5**
	10/17/2018	< 1.0	< 3.0	**150 B**	< 330	< 310	**2,200**	**2,700**	**100 B**	**2,230,000**	NA	**4,85,000 B**	**4,510**	**2.7**
	5/10/2019	**0.32 J**	<2.0	**150**	< 330	< 310	**1,900**	**548**	**80.1**	**2,080,000**	NA	**822,000**	**4,200**	<0.10
	9/13/2019	**0.65 J**	<2.0	**160**	<83	<77	**2,600**	**1,870**	**86.3**	**2,070,000**	NA	**823,000**	**3,400**	**1.3**
	12/5/2019	**0.33 J**	<2.0	**170**	**0.74 J**	< 3.0	**2,200**	**6,830**	**135**	**2,380,000**	NA	**727,000**	**4,200**	**6.5**
	2/12/2020	< 1.0	<2.0	**120 B**	**1.1 J**	< 3.0	**1,800 B**	**5,590**	**116**	**1,630,000**	NA	**810,000**	**4,500**	**4.7**
	6/10/2020	<10.0	**4.00 J**	**69.7 T8**	<13.0	<13.0	**2,070**	**5,070**	**119**	**1,990,000**	NA	**744,000**	**4,190**	**2.71 T8**
	8/19/2020	<10.0	<30.0	**55,800 T8**	<13.0	<13.0	1670	**17,800**	**340**	**2,510,000**	NA	**832**	**4,380**	**16.9 T8**
	11/5/2020	<1.00	<3.00	**26.3 T8**	<13.0	<13.0	**1,970**	**3,290**	**104**	**1,950,000**	NA	**692,000**	**4,330**	**2.96 T8**
	3/19/2021	<1.00	<3.00	**44.6 T8**	<13.0	<13.0	**1,820**	**28,300**	**506**	**2,530,000**	NA	**750,000**	**5,310**	**27.4 T8**
	6/2/2021	**6.49**	<3.00	**47.6 T8**	<13.0	<13.0	**2,330**	**4,590**	**137**	**2,340,000**	NA	**473,000**	**3,020**	**4.02**

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

ARCADIS

Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
AMW-14-D2 (cont.)	8/12/2021	<1.00	<3.00	**91.0 T8**	<13.0	<13.0	**1,670**	**1,450**	**111**	**2,410,000**	NA	**841,000**	**4,350**	**4.02**
	11/16/2021	<1.00	<3.00	**89.4 T8**	<13.0	<13.0	**255**	**5,870**	**145**	**2,310,000**	NA	**810,000**	**4,100**	**4.02**
	2/2/2022	<1.00	<3.00	**103 T8**	<13.0	<13.0	**326**	**3,310**	**122**	**2,260,000**	NA	**816,000**	**4,690**	<100
	5/5/2022	<1.00	<3.00	**69.3 B T8**	<13.0	<13.0	**1,400**	**2,750**	**132**	**2,460,000**	NA	**605,000**	**3,460**	<100
	8/24/2022	<1.00	<3.00	**107 T8**	<13.0	<13.0	**558**	**467**	**70.9**	**2,010,000**	NA	**761,000**	**4,190**	<0.1
	11/29/2022	<1.00	<3.00	**36.3 B T8**	<13.0	<13.0	**101**	**4,860**	**28.9**	**416,000**	NA	**308,000**	**1,680**	**4.49**
	3/9/2023	<1.00	<3.00	**72,800 B T8**	<13.0	<13.0	**1,170**	**757**	**115**	**2,460,000**	NA	**595,000**	**2,860**	**0.309**
AMW-14-VD	6/23/2016	< 1.0	**0.79 J**	NA	<13.0	<13.0	1,820	**28,300**	**506**	2,530,000	**427**	**427,000**	NA	NA
	7/27/2016	< 1.0	< 2.0	NA	<13.0	<13.0	1,820	28,300	506	2,530,000	NA	NA	NA	NA
	7/5/2017	< 1.0	< 2.0	**120**	<13.0	<13.0	**1,820**	**28,300**	**506**	**2,530,000**	NA	**4,40,000 B**	**15,200**	**11.3**
	8/27/2017	< 1.0	< 2.0	**100**	<13.0	<13.0	**1,820**	**28,300**	**506**	**2,530,000**	NA	**4,15,000 B**	**15,400**	**12.3**
	10/11/2017	< 1.0	**3.2**	**82**	<13.0	<13.0	**1,820**	**28,300**	**506**	**2,530,000**	NA	**454,000**	**16,200**	**14.8**
	7/12/2018	< 1.0	< 2.0	**120**	< 7.5	< 7.0	**27**	**18,400**	**410 B**	**8,660,000**	NA	**4,72,000 B**	**19,400**	**18.4**
	10/17/2018	< 1.0	< 3.0	**110 B**	< 7.5	< 7.0	**24**	**18,500**	**390 B**	**9,100,000**	NA	**4,09,000 B**	**16,300**	**18.5**
	5/10/2019	<1.0	<2.0	**130**	<7.5 H	<7.0 H	**12 H**	**14,700**	**387**	**71,50,000 B**	NA	**493,000**	**110,000**	**14.4**
	9/13/2019	<1.0	<2.0	**140**	<7.5	<7.0	**20**	**15,200**	**376**	**6,810,000**	NA	**493,000**	**14,000**	**13.8**
	12/5/2019	<1.0	<2.0	**130**	< 4.0	<3.0	**33**	**18,800**	**432**	**8,960,000**	NA	**493,000**	**17,000**	**18.7**
	2/12/2020	<1.0	<2.0	**100 B**	< 4.0	< 3.0	**28 B**	**12,800**	**339**	**5,740,000**	NA	**495,000**	**15,000**	**12.1**
	6/10/2020	<1.00	<3.00	**88.9 T8**	<13.0	<13.0	**467**	**17,600**	**381**	**8,070,000**	NA	**528,000**	**18,000**	<0.100 T8
	8/20/2020	<1.00	<3.00	**82,100 T8**	<13.0	<13.0	**26.4**	**16700**	**389**	**8,790,000**	NA	**527**	**17,000**	**1.82 T8**
	11/5/2020	<1.00	<3.00	<20 T8	<13.0	<13.0	**48.6**	**18,000**	**396**	**7,940,000**	NA	**501,000**	**17,200**	<0.1 T8
	3/19/2021	<1.00	<3.00	**82.5 T8**	<13.0	<13.0	**51.9**	**18,500**	**395**	**8,320,000**	NA	**522,000**	**17,300**	**0.969 T8**
	6/2/2021	<1.00	<3.00	**99.3 T8**	<13.0	<13.0	**52.7**	**18,900**	**396**	**8,510,000**	NA	**542,000**	**16,100**	**0.404**
	8/12/2021	<1.00	<3.00	**148 T8**	<13.0	<13.0	**61.1**	**19,400**	**393**	**8,190,000**	NA	**540,000**	**16,700**	**0.404**
	11/16/2021	<1.00	<3.00	**112 T8**	<13.0	<13.0	**18.4**	**20,000**	**383**	**8,670,000**	NA	**448,000**	**13,500**	**0.404**
	2/2/2022	<1.00	<3.00	**138 T8**	<13.0	<13.0	**9.62 J**	**18,200**	**411**	**8,690,000**	NA	**518,000**	**16,100**	<100
	5/5/2022	<1.00	<3.00	**112 B T8**	<13.0	<13.0	**31.7**	**18,600**	**401**	**8,720,000**	NA	**497,000**	**15,400**	<100
	8/24/2022	<1.00	<3.00	**100 B T8**	<13.0	<13.0	**15.9**	**18,500**	**375**	**7,850,000**	NA	**556,000**	**15,900**	**0.0393 J**
	11/29/2022	<1.00	<3.00	**87.3 B T8**	<13.0	<13.0	**26.3**	**16,900**	**379**	**8,400,000**	NA	**529,000**	**14,700**	<0.10
	3/9/2023	<1.00	<3.00	**116,000 B T8**	<13.0	<13.0	**25.4**	**18,700**	**399**	**9,190,000**	NA	**609,000**	**15,800**	<0.1
AMW-15-D1	6/23/2016	**70**	< 2.0	NA	NA	NA	NA	**2,200**	**500 B**	NA	**602**	**602,000**	NA	NA
	7/27/2016	**410**	**6.5 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/26/2016	**600 F1**	**15 J**	NA	NA	NA	NA	**1,900 B**	**70 B**	NA	**130**	**130,000**	NA	NA
	10/26/2016	**240**	**5.5 J**	NA	NA	NA	NA	**95 B**	**110 B**	NA	**528**	**528,000**	NA	NA
	7/5/2017	**10**	< 8.0	**110**	< 150	< 140	**400**	**2,100**	**84**	**17,50,000 ^**	NA	**597,000**	**73.2**	**2.1**
	8/27/2017	**76**	**17**	**27**	**92 J**	**830**	**4,000**	**12,400**	**170 B**	**1,520,000**	NA	**4,71,000 B**	**2,480**	**12.4**
	10/11/2017	**24**	**12**	**34**	< 330	**470**	**2,400**	**6,900**	**100 B**	**17,10,000 ^**	NA	**641,000**	**2,760**	**6.9**
	10/17/2018	< 5.0	**19**	**40**	< 660	< 620	**5,100**	**3,900**	**320**	**989,000**	NA	**442,000**	**1,910**	**3.8**
	5/9/2019	**1.1**	**6.3**	**52**	<830	<770	**3,200**	**3,340**	**335**	**1,170,000**	NA	**422,000**	**2,500**	**3.3**
	9/13/2019	**2**	**5.1**	**47**	**290 J**	**150 J**	**4,000**	**3,740**	**311**	**1,160,000**	NA	**254,000**	**1,700**	**1.5**
	12/5/2019	**2.2**	**5.8**	**39**	**490**	**550**	**6,200**	**3,550**	**243**	**1,200,000**	NA	**424,000**	**2,000**	**3.2**
	2/11/2020	< 1.0	**1.6 J**	**20 B**	**89**	**49**	**700 B**	**4,740**	**303**	**1,050,000**	NA	**206,000**	**1,800**	**3.3**
	6/10/2020	<5.00	**6.20 J**	<20.0 T8	**775**	**165**	**6,590**	**512**	**150**	**1,050,000**	NA	**393,000**	**2,010**	<0.050 T8
	8/19/2020	<5.00	**2.96 J**	<20.0 T8	**550**	**27.5**	**4,380**	**1,320**	**126**	**1,460,000**	NA	**442**	**1990**	**0.836 T8**
	11/4/2020	<1.00	**1.61 J**	<20 T8	**722**	<13.0	**5,200**	**800**	**80.5**	**1,030,000**	NA	**425,000**	**2,250**	**0.142 T8**
	3/19/2021	<5.00	**5.23 J**	**23 T8**	**1,370**	**90.7**	**9,900**	**13,700**	**113**	**1,210,000**	NA	**598,000**	**2,590**	**13.4 T8**
	6/2/2021	<1.00	**1.14 J**	<20 T8	**298**	<13.0	**1,970**	**597**	**55.6**	**1,040,000**	NA	**466,000**	**2,050**	<0.100
	11/16/2021	<1.00	**2.26 J**	**25.2 BT8**	**198**	<13.0	**1,380**	**612**	**17.9**	**1,230,000**	NA	**494,000**	**2,140**	<0.100

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

ARCADIS

Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
AMW-15-D1 (cont.)	2/1/2022	<1.00	**1.29 J**	**23.9 T8**	**183**	<13.0	**1,510**	**1,150**	**26.7**	**1,280,000**	NA	**496,000**	**2,260**	**767**
	5/5/2022	<1.00	**0.309 J**	<20 B J T8	**291**	<13.0	**2,150**	**1,020**	**47.5**	**1,230,000**	NA	**514,000**	**2,460**	**767**
	8/24/2022	<1.00	<3.00	<20.0 T8	**455**	<13.0	**3,630**	**1,670**	**45.7**	**912,000**	NA	**273,000**	**1,070**	**0.749**
	11/28/2022	**9.20**	**0.332 J**	**40.5 B T8**	**655**	<13.0	**6,370**	**430**	**17.6**	**1,240,000**	NA	**588,000**	**2,320**	**0.126 T8**
	3/10/2023	<1.00	**0.273 J**	**44,800 B T8**	**502**	<13.0	**5,110**	**735**	**24.5**	**1,620,000**	NA	**649,000**	**2,630**	**0.438**
AMW-15-D2	6/23/2016	**1.8**	< 2.0	NA	NA	NA	NA	**110**	**5.8 B**	NA	**50 B**	**1,81,000 B**	NA	NA
	6/23/2016	**1.7**	< 2.0	NA	NA	NA	NA	**120**	**6.3 B**	NA	**185**	**185,000**	NA	NA
	7/27/2016	**3.5**	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/26/2016	**4.7**	< 2.0	NA	NA	NA	NA	**50 B**	**85 B**	NA	**99.9**	**99,900**	NA	NA
	10/26/2016	**30**	< 2.0	NA	NA	NA	NA	< 50	**98 B**	NA	**600**	**600,000**	NA	NA
	7/5/2017	< 4.0	< 8.0	**98**	< 150	< 140	**430**	**700**	**110**	**20,90,000 ^**	NA	**687,000**	**3,700**	**0.53**
	8/27/2017	**300**	**12**	**94**	< 170	**37 J**	**880**	**3,500**	**140 B**	**2,200,000**	NA	**6,73,000 B**	**3,650**	**3.5**
	10/11/2017	**25**	< 8.0	**68**	< 170	< 150	**280**	**4,500**	**130 B**	**21,50,000 ^**	NA	**811,000**	**3,710 F1**	**4.5**
	10/17/2018	< 1.0	< 3.0	**110**	< 330	< 310	**560**	**750**	**55**	**2,130,000**	NA	**461,000**	**3,790**	**0.75**
	5/10/2019	< 1.0	<2.0	**130**	<170	<150	**520**	**328**	**72**	**2,030,000**	NA	**672,000**	**4,200**	**0.24**
	9/13/2019	**0.39 J**	<2.0	**140**	<170	<150	**680**	**493**	**54.6**	**2,030,000**	NA	**649,000**	**3,800**	**0.35**
	12/5/2019	< 1.0	<2.0	**120**	**1.3 J**	3 U	**800**	**739**	**62.7**	**1,870,000**	NA	**636,000**	**4,000**	**0.46**
	2/11/2020	< 1.0	<2.0	**97 B**	**1.9 J**	< 3.0	**690 B**	**978**	**69.9**	**1,820,000**	NA	**651,000**	**4,200**	**0.79**
	6/9/2020	<1.00	**0.225 J**	**39.8 T8**	<13.0	<13.0	**920**	**595**	**75.7**	**1,580,000**	NA	**610,000**	**3,750**	<0.050 T8
	8/19/2020	<1.00	<3.00	**46,600 T8**	<13.0	<13.0	**409**	**10,500**	**150**	**2,230,000**	NA	**413**	**2410**	**5.04 T8**
	11/4/2020	<1.00	<3.00	**21.5 T8**	**6.37 J**	<13.0	**809**	**963**	**76.6**	**1,940,000**	NA	**540,000**	**4,150**	**0.29 T8**
	3/19/2021	**7.82**	<3.00	**36.2 T8**	<13.0	<13.0	**19.3**	**14,800**	**258**	**2,220,000**	NA	**590,000**	**3,500**	**5.62 T8**
	6/2/2021	<1.00	<3.00	<20 T8	<13.0	<13.0	**1,100**	**10,100**	**97.9**	**2,220,000**	NA	**313,000**	**935**	**4.01**
	8/12/2021	<1.00	<3.00	**46.8 B T8**	<13.0	<13.0	<10.0	**1,850**	**100**	**2,010,000**	NA	**578,000**	**3,140**	**4.01**
	11/16/2021	<1.00	<3.00	**46 T8**	<13.0	<13.0	**156**	**362**	**166**	**1,450,000**	NA	**490,000**	**2,990**	**4.01**
	2/1/2022	<1.00	<3.00	**70.9 T8**	<13.0	<13.0	**118**	**1,450**	**102**	**1,880,000**	NA	**616,000**	**3,510**	**974**
	5/4/2022	<1.00	<3.00	<20 T8	<13.0	<13.0	**763**	**4,130**	**69**	**1,220,000**	NA	**274,000**	**2,370**	**974**
	8/24/2022	<1.00	<3.00	**96.7 B T8**	<13.0	<13.0	**418**	**4,560**	**69.6**	**1,180,000**	NA	**581,000**	**3,610**	**3.36**
	11/29/2022	<1.00	<3.00	**70.6 B T8**	<13.0	<13.0	**652**	**511**	**75.0**	**1,610,000**	NA	**574,000**	**2,820**	<0.05 T8
	3/10/2023	<1.00	<3.00	**47,500 B T8**	<13.0	<13.0	**359**	**1,410**	**65.5**	**1,570,000**	NA	**631,000**	**3,130**	**0.934**
AMW-15-D3	6/23/2016	< 1.0	< 2.0	NA	NA	NA	NA	**98**	**250 B**	NA	**2,980,000 ^**	**6,17,000 B**	NA	NA
	6/23/2016	< 1.0	< 2.0	NA	NA	NA	NA	**120**	**240 B**	NA	**< 5**	**12,200 B**	NA	NA
	7/27/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2017	**16**	**17**	**5.1**	< 330	< 310	**2,400**	**2,300**	**450 B**	**29,80,000 ^**	NA	**4,08,000 B**	**4,230**	**2.3**
	10/11/2017	< 2.0	< 4.0	< 5	< 170	< 150	**610**	**450**	**99 B**	**25,00,000 ^**	NA	**508,000**	**7,530**	**0.45**
	7/13/2018	< 2.0	< 4.0	**7.6**	< 330	< 310	**1,500**	**3,100**	**1,100 B**	**3,870,000**	NA	**5,18,000 B**	**4,670**	**3.1**
	10/17/2018	< 1.0	< 3.0	**100**	< 170	< 150	**2,800**	**260**	**200**	**2,610,000**	NA	**108,000**	**7,380**	**0.26**
	5/10/2019	< 1.0	<2.0	**140**	<330	<310	**1,600**	**301**	**222**	**2,730,000**	NA	**616,000**	**8,800**	**0.30**
	9/13/2019	< 1.0	<2.0	**130**	< 170	< 150	**1,400**	**612**	**231**	**2,720,000**	NA	**646,000**	**4,400**	**0.40**
	12/5/2019	< 1.0	<2.0	**100**	< 4.0	< 3.0	**1,400**	**349**	**97.4**	**1,550,000**	NA	**594,000**	**5,300**	**0.35**
	2/11/2020	**0.57 J**	<2.0	**85 B**	**3.1 J**	< 3.0	**1,100 B**	**3,631**	**106**	**1,330,000**	NA	**626,000**	**2,600**	**3.10**
	6/9/2020	<1.00	<3.00	**29.8 T8**	<13.0	<13.0	**1,340**	**1,130**	**138**	**1,690,000**	NA	**676,000**	**4,630**	**0.605 T8**
	8/19/2020	<1.00	**0.376 J**	**52,200 T8**	**19.0**	<13.0	**2,800**	**3,030**	**871**	**3,930,000**	NA	**479**	**8160**	**2.8 T8**
	11/4/2020	<1.00	**0.174 J**	**23.4 T8**	<13.0	<13.0	**2,010**	**795**	**131**	**1,660,000**	NA	**649,000**	**4,790**	**0.447 T8**
	3/19/2021	**7.44**	**4.59**	<20 T8	**76.3**	**6.25 J**	**6,270**	**439**	**484**	**2,960,000**	NA	**310,000**	**3,000**	<0.100 T8
	6/1/2021	**1.29**	**0.930 J**	<20 T8	**36.7**	<13.0	**4,700**	**657**	**628**	**3,350,000**	NA	**493,000**	**683**	<0.100
	8/12/2021	**4.44**	**5.08**	<20 T8	**49.4**	<13.0	**6,110**	**92.4 J**	**1.65 J**	**462,000**	NA	**567,000**	**639**	<0.100
	11/16/2021	**5.59**	**3.66**	<20 T8	**16.5**	<13.0	**1,910**	**584**	**8.71 J**	**479,000**	NA	**350,000**	**621**	<0.100

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

ARCADIS

Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
AMW-15-D3 (cont.)	2/1/2022	**3.72**	**2.43 J**	<20.0 T8	**9.91 J**	<13.0	**1,340**	**440**	**631**	**3,100,000**	NA	**236,000**	**2,480**	**374**
	5/5/2022	**3.94**	**2.05 J**	<20 T8	**29.5**	<13.0	**4,050**	**622**	**52.9**	**999,000**	NA	**522,000**	**646**	**374**
	11/28/2022	<1.00	<3.00	**37.9 B T8**	<13.0	<13.0	**358**	**1,310**	**514**	**2,590,000**	NA	**450,000**	**6,090**	<0.10 T8
	3/9/2023	**0.561 J**	**0.486 J**	**88,000 B T8**	<13.0	<13.0	**1,250**	**2,220**	**1,340**	**4,330,000**	NA	**432,000**	**7,220**	**0.297**
AMW-15-VD	6/23/2016	< 1.0	< 2.0	NA	NA	NA	NA	**4,200**	**200 B**	NA	**303**	**303,000**	NA	NA
	7/27/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2017	< 1.0	< 2.0	**31**	< 7.5	< 7.0	**24**	**11,800**	**350 B**	**8,910,000**	NA	**135,000 B**	**16,100**	**11.5**
	10/11/2017	< 1.0	**3**	**40**	< 7.5	< 7.0	**8**	**11,700**	**340 B**	**91,80,000 ^**	NA	**329,000**	**16,000**	**11.7**
	7/13/2018	< 1.0	< 2.0	**41**	< 7.5	< 7.0	**37**	**10,600**	**320 B**	**8,290,000**	NA	**3,57,000 B**	**19,200**	**10.6**
	10/17/2018	< 1.0	< 3.0	**37**	< 7.5	< 7.0	**27**	**10,700**	**310**	**8,770,000**	NA	**271,000**	**13,200**	**10.7**
	5/10/2019	< 1.0	<2.0	**17**	<7.5 H	<7.0 H	**25 H**	**3,600**	**287**	**8,560,000**	NA	**432,000**	**18,000**	**3.6**
	9/13/2019	< 1.0	<2.0	**49**	<7.5	<7.0	**22**	**7,650**	**192**	**5,240,000**	NA	**429,000**	**16,000**	**7.2**
	12/5/2019	< 1.0	<2.0	**22**	< 4.0	< 3.0	**51**	**5,150**	**220**	**6,360,000**	NA	**478,000**	**17,000**	**5**
	2/11/2020	< 1.0	<2.0	**11 B**	< 4.0	< 3.0	**38 B**	**2,850**	**157**	**4,770,000**	NA	**468,000**	**15,000**	**1.5**
	6/9/2020	<1.00	<3.00	<20.0 T8	<13.0	<13.0	**54.9**	**5,330**	**213**	**6,680,000**	NA	**517,000**	**18,000**	<0.100 T8
	8/19/2020	<1.00	<3.00	**29,500 T8**	<13.0	<13.0	**44.9**	**6,080**	**230**	**6,370,000**	NA	**509**	**17,000**	<0.1 T8
	11/4/2020	<1.00	<3.00	<20 T8	<13.0	<13.0	**63.3**	**4,530**	**280**	**8,440,000**	NA	**523,000**	**17,300**	<0.1 T8
	3/19/2021	<1.00	<3.00	**21.7 T8**	<13.0	<13.0	**64.5**	**10,200**	**288**	**8,660,000**	NA	**523,000**	**17,300**	**5.31 T8**
	6/2/2021	<1.00	<3.00	**7.310 J T8**	<13.0	<13.0	**76.2**	**663**	**12.8**	**204,000**	NA	**238,000**	**6,130**	**0.556**
	8/12/2021	<1.00	<3.00	**53.2 B T8**	<13.0	<13.0	<10.0	**5,030**	**538**	**31,600**	NA	**529,000**	**16,500**	**0.556**
	11/16/2021	<1.00	<3.00	**53.3 T8**	<13.0	<13.0	**42.7**	**13,300**	**281**	**8,640,000**	NA	**507,000**	**16,700**	**0.556**
	2/1/2022	<1.00	<3.00	**27.6 T8**	<13.0	<13.0	**17.1**	**6,990**	**264**	**8,650,000**	NA	**598,000**	**16,800**	**1,150**
	5/5/2022	<1.00	<3.00	**25.9 B T8**	<13.0	<13.0	<10.0	**18,800**	**363**	**8,030,000**	NA	**553,000**	**16,700**	**1,150**
	8/24/2022	<1.00	<3.00	**38.6 B T8**	<13.0	<13.0	**20.5**	**15,100**	**307**	**8,330,000**	NA	**668,000**	**17,500**	<0.1
	11/28/2022	<1.00	<3.00	**30.3 B T8**	<13.0	<13.0	**39.5**	**8,060**	**300**	**4,360,000**	NA	**494,000**	**11,900**	**4.06 T8**
	3/10/2023	<1.00	<3.00	**31,100 B T8**	<13.0	<13.0	**37.3**	**5,470**	**310**	**8,520,000**	NA	**708,000**	**16,400**	**3.08**
AMW-3	1/13/2016	< 5.0	**20**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 1.0	< 2.0	NA	NA	NA	NA	**16,200**	**1,400 B**	NA	**351**	**351,000**	NA	NA
AMW-7R	1/12/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 1.0	**0.79 J**	NA	NA	NA	NA	**170**	**74 B**	NA	**2,900 B**	**1,99,000 B**	NA	NA
	7/11/2018	< 2.0	< 4.0	**82**	< 330	< 310	**3,500**	**20,000**	**2,500 B**	**199,000**	NA	**8,81,000 B**	**253**	**19.7**
	10/17/2018	< 1.0	**0.61 J**	**94 B**	< 330	< 310	**5,800**	**12,500**	**2,900 B**	**168,000**	NA	**997,000**	**192**	**12.5**
	5/10/2019	< 1.0	**1.3 J**	**94**	< 330 UH	< 310 UH	**3,100 H**	**8,080**	**2,770**	**105,000**	NA	**558,000**	**120 F1**	**8.1**
	9/14/2019	< 1.0	< 2.0	**110**	<170	<150	**3,600**	**6,840**	**2,770**	**95,700**	NA	**651,000**	**62**	**6**
	12/6/2019	< 1.0	**0.73 J**	**47**	**1.6 J**	< 3.0	**6,200**	**4,790**	**1,420**	**93,300**	NA	**462,000**	**80**	**4.7**
	2/12/2020	< 1.0	**0.86 J**	**52 B**	**2.4 J**	< 3.0	**5,500 B**	**24,900**	**2,730**	**86,900**	NA	**597,000**	**85**	**23.2**
	6/9/2020	<1.00	**1.66 J**	**38.1 T8**	<13.0	<13.0	**9,370**	**16,000**	**2,270**	**93,200**	NA	**516,000**	**100**	**4.63 T8**
	8/19/2020	<1.00	**0.990 J**	**46.3 T8**	<13.0	<13.0	**3550**	**94900**	**3080**	**113,000**	NA	**656**	**86.6**	**83.6 T8**
	11/6/2020	<1.00	**0.241 J**	**44.3 T8**	**4.44 J**	<13.0	**7,880**	**33,200**	**3,500**	**111,000**	NA	**723,000**	**78.2**	**17.2 T8**
	3/19/2021	<1.00	<3.00	**32.1 T8**	<13.0	<13.0	**7,700**	**35,500**	**2,390**	**234,000**	NA	**615,000**	**547**	**23.4 T8**
	6/2/2021	<1.00	**2.53 J**	**36.4 T8**	<13.0	<13.0	**10,100**	**21,800**	**2,160**	**168,000**	NA	**514,000**	**262**	<0.100
	8/12/2021	<1.00	<3.00	**71.3 T8**	<13.0	<13.0	**4,930**	**8,720**	**2,450**	**193,000**	NA	**708,000**	**181**	<0.100
	11/16/2021	<1.00	<3.00	**65.1 T8**	<13.0	<13.0	**2,830**	**3,360**	**1,640**	**108,000**	NA	**640,000**	**77**	<0.100
	5/5/2022	<1.00	**0.285 J**	**46.3 B T8**	<13.0	<13.0	**4,220**	**3,990**	**2,400**	**92,300**	NA	**457,000**	**137**	<0.100
	11/29/2022	<1.00	**1.22 J**	<20.0 T8	<13.0	<13.0	**6,830**	**10,700**	**2,000**	**97,800**	NA	**533,000**	**128**	<0.10
	3/10/2023	<1.00	**2.98 J**	**23,000 B T8**	<13.0	<13.0	**5,390**	**5,490**	**1,320**	**91,000**	NA	**370,000**	**126**	<0.1
ASB-2	6/6/2016	**6**	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ASB-3	6/8/2016	**81**	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ASB-4	6/7/2016	**400**	**36**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
ASB-5	6/2/2016	**11**	**0.89 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ASB-7	6/2/2016	**31**	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-18R	6/22/2016	< 10	< 20	NA	NA	NA	NA	**11,500 B**	**470 B**	NA	**20,000 B**	**5,15,000 B**	NA	NA
	7/11/2018	< 20	< 40	**2.2 J**	< 660	< 620	**3,800**	**1,400**	**17 B**	**161,000**	NA	**1,84,000 B**	**367**	**1.3**
	10/17/2018	< 5.0	**5.2 J**	**11 B**	< 660	< 620	**9,700**	**450**	**26 B**	**193,000**	NA	**365,000**	**259**	**0.45**
	9/14/2019	< 1.0	**7.1**	**32**	<660	<620	**13,000**	**11,700**	**110**	**310,000**	NA	**386,000**	**480**	**8.2**
	12/5/2019	< 1.0	**5.2**	**3 J**	**21**	**0.81 J**	**16,000**	**3,100**	**30.8**	**323,000**	NA	**225,000**	**400**	**2.8**
	2/12/2020	< 1.0	< 2.0	**3.9 J B**	< 4.0	< 3.0	**89**	**9,770**	**49.9**	**45,100**	NA	**24,400**	**77**	**9.6**
	6/9/2020	<5.00	**5.52 J**	<20.0 T8	**8.80 J**	<13.0	**5,640**	**5,240**	**28.9**	**204,000**	NA	**101,000**	**269**	<0.100 T8
	3/19/2021	<1.00	**4.41**	<20 T8	**19**	<13.0	**8,840**	**1,450**	**11.7**	**191,000**	NA	**131,000**	**223**	**0.907 T8**
	6/2/2021	<1.00	**1.50 J**	<20 T8	<13.0	<13.0	**5,700**	**1,270**	**18.5**	**362,000**	NA	**83,300**	**835**	**0.106**
	8/12/2021	<1.00 J4	**5.64**	**42.3 B T8**	**13.5**	<13.0	**12,300**	**1,250**	**59.9**	**609,000**	NA	**206,000**	**1,340**	**0.106**
	11/16/2021	<1.00	**7.81**	**30.8 BT8**	<13.0	<13.0	**2,660**	**553**	**42.6**	**507,000**	NA	**199,000**	**853**	**0.106**
	2/2/2022	<1.00	**3.73**	--	<13.0	<13.0	**1,630**	--	--	--	NA	--	--	--
	5/5/2022	<1.00	**5.55**	<20 T8	<13.0	<13.0	**8,600**	**2,780**	**21.9**	**245,000**	NA	**142,000**	**289**	--
	8/25/2022	<1.00	**2.60 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/29/2022	<1.00	**5.73**	<20.0 T8	<13.0	<13.0	**11,600**	**631**	**19.4**	**442,000**	NA	**231,000**	**634**	NA
	3/9/2023	<1.00	**5.85**	<20,000 T8	**14.5**	<13.0	**10,400**	NA	NA	NA	NA	**245,000**	**213**	NA
MW-23-D1R	10/26/2016	< 2.0	< 4.0	NA	NA	NA	NA	< 50	**21 B**	NA	**555**	**555,000**	NA	NA
	10/26/2016	< 5.0	< 10	NA	NA	NA	NA	**240 B**	**670 B**	NA	**525**	**525,000**	NA	NA
	1/12/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/20/2016	< 1.0	< 2.0	NA	NA	NA	NA	**660**	**690 B**	NA	**485**	**485,000**	NA	NA
	7/5/2017	< 4.0	< 8.0	**82**	< 150	< 140	**150**	**17,100**	**3,100**	**11,90,000 ^**	NA	**500,000**	**1,970**	**17.1**
	8/27/2017	< 4.0	< 8.0	**75**	< 83	< 77	**1,500**	**33,900**	**2200 B**	**11,90,000 ^**	NA	**5,12,000 B**	**2,190**	**31.9**
	10/12/2017	< 4.0	< 8.0	**55**	< 170	< 150	**1,300**	**3,800**	**1000 B**	**12,30,000 ^**	NA	**562,000**	**2,270**	**3.8**
	7/12/2018	< 4.0	< 8.0	**64**	< 330	< 310	**4,800**	**4,300**	**810 B**	**1,360,000**	NA	**4,95,000 B**	**2,250**	**4**
	10/17/2018	**1**	< 3.0	**63**	< 660	< 620	**3,600**	**1,900**	**930**	**1,220,000**	NA	**360,000**	**2,260**	**1.9**
	9/13/2019	**0.26 J**	< 2.0	**68**	<83	<77	**1,400**	**1,460**	**636**	**971,000**	NA	**467,000**	**2,000**	**1.1**
	12/5/2019	< 1.0	< 2.0	**660**	**8.2**	< 3.0	**2,100**	**2,020**	**852**	**389,000**	NA	**309,000**	**1,300**	**1.8**
	2/11/2020	< 1.0	< 2.0	**10 B**	**3.3 J**	< 3.0	**770 B**	**2,650**	**191**	**474,000**	NA	**173,000**	**730**	**2.5**
	6/10/2020	<1.00	**0.190 J**	**29.6 T8**	**6.78 J**	<13.0	**1,560**	**1,430**	**511**	**1,240,000**	NA	**320,000**	**1,690**	<0.050 T8
	8/19/2020	<1.00	<3.00	**41,200 T8**	**6.95 J**	<13.1	**1,780**	**6,320**	**1,260**	**1,300,000**	NA	**543**	**2,340**	**1.44 T8**
	11/5/2020	<1.00	<3.00	**23.9 T8**	**7.51 J**	<13.0	**2,040**	**3,260**	**1,050**	**1,300,000**	NA	**401,000**	**2,030**	<0.1 T8
	3/19/2021	<1.00	<3.00	**29.3 T8**	<13.0	<13.0	**303**	**105,000**	**4,350**	**1,310,000**	NA	**469,000**	**2,470**	**103 T8**
	6/2/2021	<1.00	<3.00	**22.3 T8**	<13.0	<13.0	**876**	**5,830**	**1,660**	**1,280,000**	NA	**583,000**	**2,310**	**2.22**
	8/12/2021	<1.00	<3.00	**30.8 B T8**	<13.0	<13.0	**944**	**2,970**	**973**	**1,320,000**	NA	**516,000**	**2,330**	**2.22**
	11/16/2021	<1.00	<3.00	**39.1 BT8**	<13.0	<13.0	**225**	**3,070**	**1,120**	**770,000**	NA	**275,000**	**1,390**	**2.22**
	2/2/2022	<1.00	<3.00	**48.6 T8**	<13.0	<13.0	**195**	**11,400**	**1,090**	**1,340,000**	NA	**357,000**	**1,920**	**10,200**
	5/5/2022	<1.00	<3.00	**47.1 B T8**	<13.0	<13.0	**328**	**5,870**	**926**	**1,390,000**	NA	**448,000**	**2,810**	**10,200**
	8/25/2022	<1.00	<3.00	**21.9 B T8**	**9.18 J**	<13.0	**1,160**	**1,450**	**1,270**	**1,170,000**	NA	**348,000**	**2,350**	<0.1
	11/29/2022	<1.00	<3.00	<20.0 T8	<13.0	<13.0	**189**	**1,730**	**120**	**34,000**	NA	**101,000**	**43.3**	**0.689**
	3/9/2023	<1.00	<3.00	**58,200 B T8**	<13.0	<13.0	**676**	**5,640**	**472**	**1,430,000**	NA	**558,000**	**2,670**	**4.82**
MW-23-D2R	1/12/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/20/2016	< 1.0	< 2.0	NA	NA	NA	NA	**40 J**	**110 B**	NA	**543**	**543,000**	NA	NA
	7/5/2017	< 1.0	< 2.0	**130**	< 38	< 35	**73**	**4,400**	**210**	**21,90,000 ^**	NA	**520,000**	**5,260**	**4.2**
	8/27/2017	< 4.0	< 8.0	**110**	< 83	< 77	**360**	**1,800**	**170 B**	**19,30,000 ^**	NA	**4,34,000 B**	**5,420**	**1.8**
	10/12/2017	**1.2**	< 2.0	**100**	< 170	< 150	**200**	**2,800**	**140 B**	**25,70,000 ^**	NA	**654,000**	**4,460**	**2.8**
	7/12/2018	<1.0	<2.0	**32**	< 170	< 150	**290**	**1,660**	**279**	**1,930,000**	NA	**587,000**	**3,800**	**1.4**
	5/9/2019	< 1.0	< 2.0	**32**	< 170	< 150	**290**	**1,660**	**279**	**1,930,000**	NA	**587,000**	**3,800**	**1.4**

See Notes on Page 61.

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

Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
MW-23-D2R (cont.)	9/13/2019	< 1.0	< 2.0	140	< 170	< 150	700	25,700	2,350	1,600,000	NA	415,000	2,500	21.6
	12/5/2019	< 1.0	< 2.0	69	2.9 J	< 3.0	1,500	26,100	2,120	1,410,000	NA	349,000	2,400	26.1
	8/19/2020	<1.00	<3.00	54,100 T8	<13.0	<13.0	1,190	46,200	290	2,340,000	NA	505	3,710	43.4 T8
	11/5/2020	<1.00	<3.00	32.6 T8	<13.0	<13.0	1,020	12,700	2,830	1,900,000	NA	398,000	3,730	6.28 T8
	3/18/2021	<1.00	<3.00	53.5 T8	<13.0	<13.0	61	8,940	139	2,220,000	NA	667,000	4,360	7.82 T8
	6/2/2021	<1.00	<3.00	61.5 T8	<13.0	<13.0	878	1,520	267	2,010,000	NA	540,000	3,500	0.293
	8/12/2021	<1.00	<3.00	35.9 B T8	<13.0	<13.0	1,070	1,380	1,550	1,560,000	NA	376,000	3,250	0.293
	11/16/2021	<1.00	<3.00	72 T8	<13.0	<13.0	421	2,140	1,510	1,710,000	NA	600,000	3,710	0.293
	2/2/2022	<1.00	<3.00	92.6 T8	<13.0	<13.0	389	953	1,400	1,620,000	NA	529,000	3,630	627
	5/5/2022	<1.00	<3.00	79.8 B T8	<13.0	<13.0	1,310	803	1,240	1,180,000	NA	448,000	3,520	627
	8/25/2022	<1.00	<3.00	30.4 B T8	<13.0	<13.0	1,330	2,530	761	868,000	NA	391,000	2,500	0.751
	11/29/2022	<1.00	<3.00	37.5 B T8	NA	NA	NA	863	894	1,380,000	NA	494,000	3,210	NA
	3/9/2023	<1.00	<3.00	NA	<13.0	<13.0	625	NA	NA	NA	NA	NA	NA	NA
MW-24-D1R	1/13/2016	99	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	35	9.3	NA	NA	NA	NA	32 J	60 B	NA	550 J	6,42,000 B	NA	NA
	10/26/2016	33	7.2	NA	NA	NA	NA	< 50	49 B	NA	526	526,000	NA	NA
	10/26/2016	15	6.6	NA	NA	NA	NA	58 B	8.9 B	NA	324	324,000	NA	NA
	10/26/2016	< 4.0	< 8.0	NA	NA	NA	NA	24 J B	59 B	NA	577	577,000	NA	NA
	7/12/2018	160	29	67	130 J	1,100	5,900	10,100	120 B	2,140,000	NA	8,75,000 B	4,220	10.1
	10/16/2018	22	25	59	< 660	550 J	6,000	2,900	91	1,070,000	NA	583,000	2,370	2.9
	5/9/2019	1.5	3.6	98	< 330	< 310	1,600	4,120	79.6	1,720,000	NA	572,000	3,900	3.3
	9/13/2019	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	4,11,000 [5,88,000]	1,800 [3,000]	1.9 [3.5]
	12/5/2019	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	3,01,000 [5,14,000]	1,900 [2,000]	1.3 [1.3]
	2/11/2020	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	3,78,000 [5,30,000]	2,300 [2,500]	0.2 [0.26]
	6/9/2020	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	6,03,000 [6,05,000]	2,910 [3,200]	1.02 T8 [1.67 T8]
	8/19/2020	<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	423 [485]	2,360 [2,390]	0.454 T8 [0.576 T8]
	11/5/2020	<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	290,000 [287,000]	2,380 [2,310]	0.302 T8 [0.247 T8]
	3/19/2021	<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	461,000 [523,000]	2,640 [2,750]	0.159 T8 [3.73 T8]
	6/1/2021	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	475,000 [586,000]	2,730 [2,840]	<0.050 [1.560]
	11/16/2021	<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]	413,000 [313,000]	2,300 [2,500]	<0.050 [1.560]
	2/2/2022	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]	298,000 [359,000]	2,350 [2,350]	522 [998]
	5/4/2022	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]	522,000 [488,000]	2,610 [2,720]	522 [998]
	8/24/2022	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]	326,000 [392,000]	2,420 [2,660]	2.60 [0.758]
	11/29/2022	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	415,000 [375,000]	1,960 [2,040]	0.287 T8 [0.790 T8]
	3/10/2023	<1.00 [<10.0]	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	563,000 [519,000]	2,560 [2,550]	2.08 [8.47]
MW-24-D2	1/13/2016	180	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/13/2016	170	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	38	< 2.0	NA	NA	NA	NA	40 J	55 B	NA	298,000 B	7,41,000 B	NA	NA
	10/25/2016	20	< 8.0	NA	NA	NA	NA	49 J	62	NA	512	512,000	NA	NA
	10/25/2016	280 F1	< 10	NA	NA	NA	NA	< 50	56	NA	759	759,000	NA	NA
	7/5/2017	250 F1	< 16	130	< 150	< 140	130	1,800	88	25,20,000 ^	NA	667,000	4,060	1.8
	8/27/2017	72	< 16	110	< 170	< 150	980	6,600	160 B	2,260,000	NA	7,74,000 B	4,100	6.6
	10/11/2017	18	< 4.0	54	< 170	< 150	410	5,500	140 B	23,80,000 ^	NA	804,000	3,720	5.5
	7/12/2018	< 2.0	< 4.0	15	< 7.5	< 7.0	44	1,100	33 B	94,900	NA	1,14,000 B	182	1.1
	10/17/2018	0.23 J	< 3.0	5.7	< 170	< 150	370	610	32	1,08,000 ^	NA	102,000	201	0.61
	5/9/2019	< 1.0	< 2.0	5.0	< 7.5	< 7.0	< 4.0	391	7.7 J	100,000	NA	112,000	89	0.39
	9/13/2019	< 1.0	< 2.0	15.0	< 7.5	< 7.0	< 4.0	2,160	35.6	81,400	NA	108,000	49	2
	12/5/2019	< 1.0	< 2.0	26	1.5 J	0.57 J	270	2,090	58.7	366,000	NA	190,000	550	1.9
	2/11/2020	< 1.0	< 2.0	8 B	2.7 J	< 3.0	210 B	1,450	22.2	349,000	NA	482,000	340	1.2

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

ARCADIS

Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
MW-24-D2 (cont.)	6/9/2020	**0.269 J**	<3.00	<20.0 T8	**25.3**	<13.0	**2,180**	**380**	**24.8**	**471,000**	NA	**267,000**	**805**	<0.050 T8
	8/18/2020	<1.00	<3.00	<20,000 T8	**13.7**	<13.0	**1,200**	**436**	**32.8**	**518,000**	NA	**235**	**728**	<0.05 T8
	11/5/2020	<1.00	<3.00	<20 J T8	**57.4**	<13.0	**5,720**	**491**	**36.4**	**819,000**	NA	**241,000**	**724**	<0.05 T8
	3/19/2021	<1.00	<3.00	**24.7 T8**	**44.7**	<13.0	**4,500**	**1,960**	**51.9**	**1,210,000**	NA	**607,000**	**2,240**	**1.14 T8**
	6/1/2021	<1.00	<3.00	**22.5 T8**	**24.8**	<13.0	**1,920**	**1,480**	**56.0**	**1,470,000**	NA	**674,000**	**2,360**	**0.343**
	11/16/2021	<1.00	**0.180 J**	<20 JT8	<13.0	<13.0	**1,400**	**556**	**22.4**	**453,000**	NA	**320,000**	**854**	**0.343**
	2/2/2022	<1.00	<3.00	**22.8 T8**	**6.08 J**	<13.0	**350**	**355**	**60.2**	**1,680,000**	NA	**740,000**	**2,720**	<50
	5/4/2022	<1.00	<3.00	**51.2 B T8**	**27.6**	<13.0	**2,540**	**387**	**65.2**	**2,200,000**	NA	**752,000**	**3,770**	<50
	8/24/2022	<1.00 J4	<3.00	**89.7 B T8**	<13.0	<13.0	**267**	**1,850**	**61.7**	**1,870,000**	--	**566,000**	**3,550**	**1.53**
	11/29/2022	<1.00	<3.00	**90.6 B T8**	<13.0	<13.0	**1,310**	**830**	**62.8**	**2,010,000**	NA	**662,000**	**3,380**	**0.830 T8**
	3/10/2023	<1.00	<3.00	**103,000 B T8**	<13.0	<13.0	**1,320**	**828**	**65.0**	**2,110,000 V**	NA	**716,000**	**3,560**	<0.05
MW-24-VDR	7/12/2018	< 4.0	< 8.0	**89**	**2.1 J**	**2.3 J**	**160**	**37900**	**910 B**	**8,960,000**	NA	**4,54,000 B**	**16,000**	**37.8**
	10/17/2018	**0.55 J**	< 3.0	**79**	< 7.5	< 7.0	**120**	**26,100**	**740**	**8,730,000**	NA	**416,000**	**13,100**	**26.1**
	5/9/2019	**0.40 J**	< 2.0	**92**	< 83	< 77	**13 J**	**25,200**	**597**	**6,100,000**	NA	**461,000**	**16,000**	**25.2**
	9/13/2019	**0.35 J**	< 2.0	**92**	<7.5	<7.0	**26**	**8,910**	**235**	**2,520,000**	NA	**295,000**	**7,300**	**8.2**
	12/5/2019	< 1.0	< 2.0	**3.8 J**	< 4.0	**1.7 J**	**28**	**36,500**	**694**	**9,030,000**	NA	**446,000**	**17,000**	**36.5**
	2/11/2020	< 1.0	< 2.0	**85 B**	< 4.0	<3.0	**40 B**	**31,500**	**523**	**7,000,000**	NA	**474,000**	**15,000**	**29.5**
	6/9/2020	<1.00	<3.00	**57.7 T8**	<13.0	<13.0	**77.0**	**37,100**	**454**	**7,320,000**	NA	**337,000**	**13,700**	<0.100 T8
	8/18/2020	<1.00	<3.00	**75,500 T8**	<13.0	<13.0	**55.8**	**44,900**	**578**	**8,910,000**	NA	**332**	**12,800**	**12.8 T8**
	11/5/2020	<1.00	<3.00	**28.5 T8**	<13.0	<13.0	**68.1**	**45,100**	**588**	**8,850,000**	NA	**388,000**	**15,800**	**2.71 T8**
	3/19/2021	<1.00	<3.00	**81.7 T8**	<13.0	<13.0	**87.1**	**63,900**	**687**	**8,250,000**	NA	**459,000**	**17,300**	**31.6 T8**
	6/1/2021	<1.00	<3.00	**45.7 T8**	<13.0	<13.0	**56.0**	**53,700**	**574**	**8,160,000**	NA	**413,000**	**15,500**	<0.100
	11/16/2021	<1.00	<3.00	<20 JT8	<13.0	<13.0	**47.1**	**1,130**	**7.12 J**	**47,300**	NA	**18,900 J**	**172**	<0.100
	11/29/2022	<1.00	<3.00	<20.0 T8	<13.0	<13.0	**27.8**	**403**	**6.13 J**	**178,000**	NA	**71,300**	**273**	<0.10
	3/10/2023	<1.00	<3.00	<20,000 T8	<13.0	<13.0	<10.0	**3,290**	**25.2**	**293,000**	NA	**176,000**	**3,500**	**1.65**
MW-26-D1	1/12/2016	**16**	< 10	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	NA	NA
	6/22/2016	**20**	< 8.0	NA	NA	NA	NA	**< 50**	**35 B**	NA	**569,000 B**	**5,69,000 B**	NA	NA
	10/25/2016	**18**	< 20	NA	NA	NA	NA	**< 50**	**25**	NA	**479**	**479,000**	NA	NA
	10/25/2016	**51**	< 8.0	NA	NA	NA	NA	**< 50**	**37**	NA	**591**	**591,000**	NA	NA
	7/5/2017	**28**	< 20	**120**	< 150	< 140	**250**	**230**	**41**	**15,70,000 ^**	NA	**542,000**	**2,520**	**0.23**
	8/27/2017	< 10	< 20	**95**	< 170	< 150	**1,200**	**640**	**48 B**	**1,500,000**	NA	**5,32,000 B**	**2,530**	**0.64**
	10/11/2017	< 2.0	< 4.0	**10**	< 7.5	< 7.0	**10**	**190**	**75 B**	**304,000**	NA	**177,000**	**483**	**0.19**
	7/13/2018	**13**	< 4.0	**110**	< 330	< 310	**2,900**	**320**	**35 B**	**1,640,000**	NA	**558,000**	**2,810**	**0.32**
	10/17/2018	< 1.0	< 3.0	**65 B**	< 170	< 150	**1,800**	**280**	**24 B**	**1,510,000**	NA	**416,000**	**2,540**	**0.28**
	9/13/2019	**19**	< 2.0	**79**	< 170	< 150	**4,100**	**93.9 J**	**19.2**	**1,400,000**	NA	**542,000**	**3,000**	<0.10
	12/6/2019	**12**	< 2.0	**64**	5.3	21	**2,400**	**364**	**18**	**1,260,000**	NA	**405,000**	**2,000**	**0.25**
	2/11/2020	**26**	< 2.0	**45 H B**	4.9	21	**1,900 B**	**1,080**	**25.6**	**1,440,000**	NA	**405,000**	**2,100**	**0.51**
	6/10/2020	**79.3**	**1.74 J**	**72.0 T8**	**15.0**	**65.8**	**3,260**	**553**	**21.4**	**1,300,000**	NA	**438,000**	**2,400**	<0.050 T8
	8/19/2020	**39**	**1.02 J**	**34,800 T8**	**7.93 J**	**23.2**	**2,030**	**1,340**	**31.4**	**1,370,000**	NA	**500**	**2,360**	**1.01 T8**
	11/6/2020	**38.8 C5**	**0.793 J**	**58.2 T8**	**12.7 J**	**39.2**	**2,820**	**554**	**21.4**	**1,360,000**	NA	**387,000**	**2,340**	**0.326 T8**
	6/2/2021	**62.4**	**2.02 J**	**69.9 T8**	**31.9**	**113**	**3,910**	**805**	**28.3**	**1,320,000**	NA	**443,000**	**2,330**	**0.442**
	8/12/2021	**38.6 C5 J4**	**1.11 J**	**46 B T8**	**25.3**	**98.1**	**3,810**	**544**	**32.9**	**1,150,000**	NA	**479,000**	**2,060**	**0.442**
	11/16/2021	**6.74**	**1.37 J**	**53 BT8**	**7.03 J**	**8.37 J**	**872**	**335**	**17.9**	**1,320,000**	NA	**418,000**	**2,290**	**0.442**
	2/2/2022	**2.66**	**1.13 J**	**53.8 T8**	<13.0	<13.0	**1,430**	**152 B**	**15.9**	**1,340,000**	NA	**411,000**	**2,500**	**42.2 J**
	5/5/2022	**4.64**	**6.03**	**89.2 B T8**	**19.8**	**16.3**	**4,490**	**166**	**25.4**	**1,340,000**	NA	**470,000**	**2,460**	**42.2 J**
	8/25/2022	**3.05**	**5.51**	**34.6 B T8**	**34.5**	**17.2**	**6,040**	**181**	**39.0**	**1,320,000**	NA	**456,000**	**2,300**	<0.05
	11/29/2022	**2.12**	**3.19**	**53.0 B T8**	**35.2**	<13.0	**9,050**	**510**	**111**	**1,270,000**	NA	**483,000**	**2,160**	**0.479**
	3/10/2023	<1.00	**4.18**	**69,500 B T8**	<13.0	<13.0	**4,120**	**502**	**43.3**	**1,260,000**	NA	**466,000**	**2,200**	<0.05

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

Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
MW-26-D2	1/12/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	1.2	< 2.0	NA	NA	NA	NA	490 B	700 B	NA	344	344,000	NA	NA
	10/25/2016	< 2.0	< 4.0	NA	NA	NA	NA	55	63	NA	NA	NA	NA	NA
	10/25/2016	< 2.0	< 4.0	NA	NA	NA	NA	< 50	140	NA	653	653,000	NA	NA
	7/5/2017	< 1.0	< 2.0	130	< 7.5	< 7.0	76	970	420	39,30,000 ^	NA	348,000	9,010	0.97
	8/27/2017	< 8.0	< 16	110	< 83	< 77	92	970	310 B	3,370,000	NA	379,000	7,980	0.97
	10/11/2017	< 1.0	< 2.0	55	< 170	< 150	670	1,100	160 B	2,770,000	NA	435,000	8,600	1.1
	10/17/2018	< 1.0	< 3.0	110 B	< 170	< 150	1,100	150	52 B	2,190,000	NA	509,000	3,820	0.15
	5/9/2019	1.5	< 2.0	130	< 660	< 620	750	466	75.2	2,420,000	NA	684,000	5,000	0.47
	9/13/2019	< 1.0	< 2.0	150	<83	<77	1,000	207	65.6	2,270,000	NA	702,000	4,000	0.21
	12/6/2019	< 1.0	< 1.0	140	1.1 J	< 3.0	1,300	54.4 J	59.8	2,340,000	NA	628,000	4,000	< 0.1
	2/11/2020	< 1.0	< 2.0	83 B	0.8 J	< 3.0	710 B	348	88.8	2,500,000	NA	588,000	3,900	0.35
	6/10/2020	<1.00	0.218 J	57.8 T8	<13.0	<13.0	1,340	84.3 J	68.3	2,190,000	NA	671,000	4,390	<0.050 T8
	8/19/2020	<1.00	<3.00	47.9 T8	<13.0	<13.0	360	402	99.5	2,280,000	NA	638	4,160	0.242 T8
	11/16/2021	<1.00	<3.00	<20 J T8	<13.0	<13.0	35	1,310	1,300	2,320,000	NA	168,000	5,590	0.242 T8
MW-26-VD	1/13/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 2.0	NA	NA	NA	NA	74,000 B	2,600 B	NA	61 B	1,76,000 B	NA	NA
MW-27-D1R	1/13/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	0.97 J	< 2.0	NA	NA	NA	NA	430	200 B	NA	51,600	7,95,000 B	NA	NA
	7/5/2017	28	< 4.0	26	< 380	< 350	550	2,800	56	11,30,000 ^	NA	3,94,000 B	2,860	2.8
	8/27/2017	110	< 4.0	100	< 170	< 150	1,100	1,300	330 B	960,000	NA	884,000	5,640	1.3
	7/13/2018	88	< 4.0	140	< 660	< 620	3,700	8,200	170 B	1,690,000	NA	5,26,000 B	2,770	8
	10/18/2018	70	< 3.0	150 B	< 170	< 150	3,900	2,100	61 B	1,770,000	NA	725,000	3,890	2
	5/10/2019	17	< 2.0	97	< 83	< 77	1,600	51,600	456	1,900,000	NA	579,000	3,500	50.7
	9/14/2019	25	1.2 J	170	<330	<310	1,600	12,800	161	2,090,000	NA	724,000	3,400	12.4
	12/5/2019	61	1.6 J	170	5.5	40	2,600	1,310	51.9	1,920,000	NA	762,000	3,800	1.3
	8/19/2020	33.6	1.12 J	55,300 T8	<13.0	19.9	1,530	10,600	156	2,710,000	NA	945	5,060	0.178 T8
	11/6/2020	26.0 C5	<15.0	83.4 T8	<13.0	27.8	2,010	10,900	176	2,140,000	NA	652,000	3,870	10.4 T8
	3/20/2021	26.9	0.593 J	56.6 T8	9.14 J	39.4	3,920	8,780	150	2,160,000	NA	788,000	4,300	8.07 T8
	6/2/2021	45.5	1.05 J	88.9 T8	<13.0	46.0	2,310	59,600	622	2,230,000	NA	795,000	4,330	59.2
	8/12/2021	23.9	0.820 J	103 T8	6.78 J	42.1	2,260	6,400	138	2,120,000	NA	839,000	3,970	59.2
	11/17/2021	43.7	1.67 J	94.5 B T8	<13.0	10.7 J	361	684	57.9	2,270,000	NA	764,000	4,260	59.2
	2/2/2022	27.1	0.515 J	109 T8	<13.0	6.14 J	376	3,770	100	2,150,000	NA	675,000	4,100	3,020
	5/5/2022	27.9	0.846 J	80 B T8	6.43 J	34.9	1,540	3,380	94.5	2,230,000	NA	842,000	4,230	3,020
	11/29/2022	<1.00	<3.00	93.2 B T8	<13.0	<13.0	684	3,650	343	2,510,000	NA	389,000	4,690	<0.10
	3/9/2023	11.1	0.489 J	124,000 B T8	<13.0	20.3	1,340	371	50.1	2,290,000	NA	765,000	3,680	0.113
MW-27-D2	1/13/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 4.0	68	NA	NA	NA	NA	1,300	38 B	NA	940 B	2,79,000 B	NA	NA
	7/5/2017	< 1.0	< 2.0	130	< 75	< 70	53	12,400	550	26,90,000 ^	NA	4,08,000 B	6,330	12.4
	8/27/2017	< 1.0	< 2.0	100	< 83	< 77	180	11,600	1,200 B	31,40,000 ^	NA	303,000	9,140	11.6
	10/12/2017	< 1.0	< 2.0	81	< 170	< 150	350	9,500	1,700 B	44,60,000 ^	NA	374,000	8,290	9.1
	7/13/2018	< 4.0	< 8.0	140	< 330	< 310	1,500	4,600	340 B	2,530,000	NA	3,63,000 B	7,510	4.6
	10/18/2018	< 1.0	< 3.0	130 B	< 170	< 150	1,200	2,800	940 B	3,580,000	NA	195,000	8,300	2.8
	5/10/2019	< 1.0	< 2.0	66	< 170	< 150	310	902	197	505,000	NA	599,000	4,100	0.14
	9/14/2019	< 1.0	< 2.0	150	< 170	< 150	1,200	4,080	272	1,120,000	NA	638,000	3,500	3.5

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

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Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
MW-27-D2 (cont.)	12/5/2019	< 1.0	< 2.0	**150**	< 4.0	< 3.0	**1,600**	**1,190**	**174**	**1,620,000**	NA	**526,000**	**3,600**	**1.1**
	2/12/2020	< 1.0	< 2.0	**110 B**	< 4.0	< 3.0	**910 B**	**1,920**	**230**	**1,940,000**	NA	**511,000**	**3,800**	**1.4**
	6/10/2020	<1.00	**0.181 J**	**98.7 T8**	<13.0	<13.0	**1,100**	**887**	**97.6**	**1,880,000**	NA	**496,000**	**4,660**	<0.100 T8
	8/19/2020	<1.00	<3.00	**75,400 T8**	<13.0	<13.0	**876**	**747**	**199**	**2,470,000**	NA	**397**	**3,690**	<0.05 T8
	11/6/2020	<1.00	<3.00	**60.9 T8**	<13.0	<13.0	**408**	**1,360**	**996**	**3,260,000**	NA	**323,000**	**7,520**	<0.1 T8
	3/20/2021	<1.00	<3.00	**93.9 T8**	<13.0	<13.0	**907**	**10,600**	**1,610**	**4,090,000**	NA	**291,000**	**8,920**	**6.06 T8**
	6/2/2021	<1.00	<3.00	**56.2 T8**	<13.0	<13.0	**794**	**12,700 O1**	**1,600 O1**	**4,510,000**	NA	**275,000**	**9,290**	**5.12**
	8/12/2021	<1.00	<3.00	**127 T8**	<13.0	<13.0	**180**	**9,250**	**1,600**	**4,250,000**	NA	**338,000**	**7,000**	**5.12**
	11/17/2021	<1.00	<3.00	**141 T8**	<13.0	<13.0	**88.7**	**5,380**	**1,280**	**3,690,000**	NA	**252,000**	**6,730**	**5.12**
	2/2/2022	<1.00	<3.00	**134 T8**	<13.0	<13.0	**104**	**12,200**	**1,680**	**4,350,000**	NA	**333,000**	**7,580**	<100
	5/5/2022	<1.00	<3.00	**85.5 B T8**	<13.0	<13.0	**411**	**14,300**	**1,710**	**4,710,000**	NA	**274,000**	**5,610**	<100
	8/25/2022	<1.00	<3.00	**60.9 B T8**	<13.0	<13.0	**412**	**8,410**	**1,540**	**3,560,000**	NA	**211,000**	**4,430**	**0.0213 J**
	11/29/2022	**17.4**	**0.817 J**	**47.0 B T8**	<13.0	**27.6**	**1,870**	**431**	**46.5**	**2,120,000**	NA	**639,000**	**3,900**	<0.05
	3/9/2023	<1.00	<3.00	**153,000 T8**	<13.0	<13.0	**389**	**9,230**	**1,560**	**4,010,000**	NA	**305,000**	**8,440**	**6.95**
MW-28-D1	6/24/2016	< 1.0	< 2.0	NA	NA	NA	NA	**79**	**68 B**	NA	**667,000**	**7,45,000 B**	NA	NA
	7/28/2016	< 10	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	< 1.0	< 2.0	**51**	< 150	< 140	**290**	**3,600**	**67**	**418,000 ^**	NA	**457,000**	**3,120**	**3.6**
	8/27/2017	< 4.0	< 8.0	**15**	< 170	< 150	**1,000**	**740**	**19 B**	**10,40,000 ^**	NA	**393,000**	**3,310**	**0.74**
	10/11/2017	< 4.0	< 8.0	**3.8 J**	< 170	< 150	**520**	**950**	**27 B**	**998,000**	NA	**196,000**	**1,530**	**0.95**
	10/17/2018	< 1.0	**2.6 J**	**8.9 B**	< 330	< 310	**1,500**	**980**	**22 B**	**386,000**	NA	**102,000**	**945**	**0.98**
	5/9/2019	< 1.0	**0.47 J**	**120**	< 660	< 620	**1,300**	**2,480**	**89**	**1,940,000**	NA	**667,000**	**3,300**	**1.9**
	9/13/2019	**1.0**	**2.2**	**160**	<170	<150	**1,600**	**511**	**63.1**	**1,970,000**	NA	**735,000**	**2,900**	<0.10
	12/5/2019	**0.68 J**	**1.9 J**	**75**	**33**	**15**	**2,500**	**169**	**10.4 J**	**874,000**	NA	**337,000**	**1,800**	<0.10
	2/11/2020	**1.7**	**3**	**73 B**	**25**	**11**	**1,800 B**	**253**	**49.4**	**1,160,000**	NA	**495,000**	**1,900**	<0.10
	6/9/2020	**0.625 J**	**3.11**	**26.5 T8**	**12.2 J**	<13.0	**1,140**	**226**	**47.8**	**1,360,000**	NA	**472,000**	**2,570**	<0.050 T8
	8/19/2020	<1.00	**1.02 J**	**23,000 T8**	<13.0	<13.0	**361**	**167**	**57.7**	**1,410,000**	NA	**496**	**2,490**	**0.0216 JT8**
	11/6/2020	<1.00	**4.11**	**73.8 T8**	**46.5**	<13.0	**4,740**	**54.8 J**	**51.3**	**1,540,000**	NA	**548,000**	**3,110**	<0.05 T8
	6/2/2021	<1.00	**1.72 J**	**35.7 T8**	<13.0	<13.0	**788**	**88.9 J**	**40.0**	**1,340,000**	NA	**305,000**	**1,410**	<0.050
	8/12/2021	<1.00	**1.62 J**	**41.9 B T8**	<13.0	<13.0	**1,380**	**101**	**36.0**	**867,000**	NA	**485,000**	**1,970**	<0.050
	11/16/2021	<1.00	**1.75 J**	<20 JT8	<13.0	<13.0	**249**	**820**	**43.1**	**108,000**	NA	**104,000**	**202**	<0.050
	2/2/2022	<1.00	<3.00	<20.0 J T8	**5.09 J**	<13.0	**805**	**240 B**	**14.3**	**129,000**	NA	**125,000**	**157**	**52.2**
	5/5/2022	<1.00	**1.65 J**	**41.9 B T8**	<13.0	<13.0	**277**	**230**	**32.5**	**387,000**	NA	**294,000**	**1,130**	**52.2**
	8/25/2022	<1.00	<3.00	<20.0 T8	<13.0	<13.0	**23.5**	**958**	**60.7**	**335,000**	NA	**254,000**	**565**	<0.05
	11/29/2022	<1.00	<3.00	**37.3 B T8**	<13.0	<13.0	**1,700**	**399**	**75.6**	**425,000**	NA	**293,000**	**672**	**0.0229 J**
	3/9/2023	<1.00	**0.636 J**	**105,000 B T8**	<13.0	<13.0	**1,250**	**530**	**76.9**	**1,850,000**	NA	**717,000**	**3,500**	<0.05
MW-28-D2R	6/24/2016	< 1.0	< 2.0	NA	NA	NA	NA	**52,800**	**1,100 B**	NA	**182**	**182,000**	NA	NA
	7/28/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	< 1.0	< 2.0	**120**	< 7.5	< 7.0	**67**	**6,800**	**340**	**38,10,000 ^**	NA	**334,000**	**9,090**	**6.7**
	8/27/2017	< 4.0	< 8.0	**120**	< 83	< 77	**62**	**6,000**	**500 B**	**5,340,000**	NA	**3,37,000 B**	**11,300 B**	**5.6**
	10/11/2017	< 1.0	< 2.0	**91**	< 170	< 150	**370**	**9,300**	**470 F1 B**	**4,750,000**	NA	**412,000**	**6,670**	**9.1**
	7/13/2018	< 4.0	< 8.0	**91**	< 330	< 310	**880**	**5,200**	**190 B**	**3,000,000**	NA	**4,68,000 B**	**4,010**	**5.2**
	10/17/2018	< 1.0	< 3.0	**140 B**	< 170	< 150	**240**	**2,200**	**710 B**	**4,670,000**	NA	**333,000**	**9,820**	**2.2**
	5/9/2019	< 1.0	< 2.0	**42**	< 330	< 310	**730**	**569**	**224**	**2,850,000**	NA	**385,000**	**7,600**	**0.37**
	9/13/2019	< 1.0	< 2.0	**160**	<7.5	<7.0	**620**	**450**	**241**	**2,700,000**	NA	**428,000**	**4,600**	**0.25**
	12/6/2019	< 1.0	< 2.0	**160**	< 4.0	<3.0	**310**	**463**	**989**	**4,430,000**	NA	**349,000**	**7,400**	**0.3**
	2/11/2020	< 1.0	< 2.0	**100 B**	< 4.0	< 3.0	**1,000 B**	**252**	**184**	**1,620,000**	NA	**276,000**	**3,600**	**0.25**
	6/9/2020	<1.00	<3.00	**90.0 T8**	<13.0	<13.0	**239**	**5,050**	**1,730**	**4,130,000**	NA	**339,000**	**18,800**	<0.100 T8
	8/19/2020	<1.00	<3.00	**90,300 T8**	<13.0	<13.0	**212**	**48,300**	**855**	**5,750,000**	NA	**343**	**9,550**	**43.8 T8**
	11/6/2020	<1.00	<3.00	**85.8 T8**	<13.0	<13.0	**618**	**5,890**	**370**	**2,760,000**	NA	**395,000**	**6,460**	<0.1 T8

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

Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
MW-28-D2R (cont.)	3/20/2021	<1.00	<3.00	**68 T8**	<13.0	<13.0	**416**	**4,220**	**1,190**	**5,210,000**	NA	**347,000**	**10,800**	**3.66 T8**
	6/2/2021	<1.00	<3.00	**68.1 T8**	<13.0	<13.0	**465**	**7,120**	**1,290**	**5,370,000**	NA	**348,000**	**10,900**	**6.27**
	8/12/2021	<1.00	<3.00	**125 T8**	<13.0	<13.0	**191**	**7,560**	**2,180**	**4,570,000**	NA	**369,000**	**7,480**	**6.27**
	11/16/2021	<1.00	<3.00	**136 T8**	<13.0	<13.0	**83.7**	**6,620**	**2,020**	**4,550,000**	NA	**341,000**	**5,880**	**6.27**
	2/2/2022	<1.00	<3.00	**153 T8**	<13.0	<13.0	<10.0	**5,270**	**2,120**	**4,370,000**	NA	**337,000**	**9,970**	<100
	5/5/2022	<1.00	<3.00	**123 B T8**	<13.0	<13.0	**666**	**1,600**	**244**	**2,210,000**	NA	**434,000**	**5,580**	<100
	8/25/2022	<1.00	<3.00	**59.6 B T8**	<13.0	<13.0	**537**	**1,270**	**356**	**2,100,000**	NA	**376,000**	**3,850**	<0.05
	11/29/2022	<1.00	<3.00	**33.3 B T8**	<13.0	<13.0	**226**	**950**	**137**	**973,000**	NA	**330,000**	**3,550**	**0.698**
	3/9/2023	<1.00	<3.00	**125,000 T8**	<13.0	<13.0	**456**	**258**	**287**	**2,390,000**	NA	**401,000**	**4,350**	<0.05
MW-29-D1	1/14/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 1.0	**2**	NA	NA	NA	NA	**520**	**270 B**	NA	**4.3 J**	**5,67,000 B**	NA	NA
	10/26/2016	< 1.0	**9.7**	NA	NA	NA	NA	**220 B**	**250 B**	NA	**540**	**540,000**	NA	NA
	10/26/2016	< 1.0	**4**	NA	NA	NA	NA	< 50	**5.2 B**	NA	**547**	**547,000**	NA	NA
	7/5/2017	< 2.0	**3.7 J**	**180**	< 300	< 280	**680**	**460**	**350**	**9,51,000 ^**	NA	**556,000**	**1,610**	**0**
	8/27/2017	< 2.0	**4.3**	**150**	< 660	< 620	**11,000**	**2,400**	**150 B**	**24,70,000 ^**	NA	**5,60,000 B**	**1,580**	**2.4**
	10/12/2017	< 4.0	**4.3 J**	**140**	< 170	< 150	**5,200**	**3,400**	**300 B**	**8,93,000 ^**	NA	**619,000**	**1,530**	**3.4**
	7/13/2018	< 4.0	**5.5 J**	**180**	< 660	< 620	**15,000**	**1,300**	**340 B**	**988,000**	NA	**5,63,000 B**	**1,680**	**1.3**
	10/18/2018	< 1.0	**8.1**	**210 B**	< 1700	< 1500	**19,000**	**1,500**	**270 B**	**960,000**	NA	**535,000**	**1,550**	**1.5**
	5/10/2019	< 1.0	**3.3**	**190**	< 83	< 77	**9,300 E**	**1,450**	**470**	**839,000**	NA	**469,000**	**1,700**	**1.4**
	9/14/2019	< 1.0	< 2.0	**40**	<170	<150	**3,200**	**4,370**	**58.4**	**23,500**	NA	**40,100**	**58**	**4.3**
	12/6/2019	< 1.0	< 2.0	**28**	**1 J**	< 3.0	**1,100**	**673**	**32.1**	**75,900**	NA	**63,500**	**130**	**0.67**
	2/12/2020	< 1.0	< 2.0	**15 B**	< 4.0	< 3.0	**340 B**	**2,040**	**131**	**105,000**	NA	**62,700**	**160**	**1.8**
	6/10/2020	<1.00	<3.00	**53.4 T8**	**5.33 J**	<13.0	**10,700**	**741**	**161**	**643,000**	NA	**273,000**	**1,050**	**0.379 T8**
	8/19/2020	<1.00	<3.00	**39,600 T8**	<13.0	<13.0	**6,710**	**1,360**	**172**	**574,000**	NA	**256**	**950**	**1.13 T8**
	11/6/2020	<1.00	<3.00	**31.7 T8**	**10.6 J**	<13.0	**10,700**	**199**	**146**	**460,000**	NA	**208,000**	**795**	<0.05 T8
	3/20/2021	<1.00	<3.00	**30.9 T8**	**9.15 J**	<13.0	**6,640**	**8,750**	**205**	**524,000**	NA	**285,000**	**975**	**4.55 T8**
	6/2/2021	<1.00	<3.00	**27.3 T8**	<13.0	<13.0	**660**	**42,600**	**484**	**437,000**	NA	**174,000**	**566**	**40.4**
	8/12/2021	<1.00 J4	<3.00	**51.4 B T8**	<13.0	<13.0	**4,950**	**5,200**	**272**	**446,000**	NA	**235,000**	**787**	**40.4**
	5/5/2022	<1.00	<3.00	**73.3 B T8**	<13.0	<13.0	**5,410**	**35,100**	**311**	**577,000**	NA	**266,000**	**930 E V**	**40.4**
	11/29/2022	<1.00	<3.00	<20.0 T8	<13.0	<13.0	**4,660**	**1,510**	**12.3**	**17,400**	NA	**41,400**	**29**	<0.10
	3/10/2023	<1.00	<3.00	**98,000 B T8**	<13.0	<13.0	**1,800**	**12,500**	**152**	**229,000**	NA	**669,000**	**577**	<0.10
MW-29-D2	1/14/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 1.0	< 2.0	NA	NA	NA	NA	**64**	**150 B**	NA	**430 B**	**4,53,000 B**	NA	NA
MW-29-VD	1/14/2016	< 10	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 1.0	< 2.0	NA	NA	NA	NA	**390**	**62 B**	NA	**229 B**	**2,29,000 B**	NA	NA
MW-30-D1	1/14/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 2.0	NA	NA	NA	NA	**360 B**	**93 B**	NA	**841 B**	**8,41,000 B**	NA	NA
MW-30-D2	1/14/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/14/2016	< 2.0	< 4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 2.0	NA	NA	NA	NA	< 50	**110 B**	NA	**755 B**	**7,55,000 B**	NA	NA
MW-30-VD	1/14/2016	< 10	< 20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 2.0	NA	NA	NA	NA	**4,900 B**	**260 B**	NA	**713 B**	**7,13,000 B**	NA	NA
MW-31-D1R	1/14/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 2.0	NA	NA	NA	NA	**230 B**	**25 B**	NA	**221 B**	**2,21,000 B**	NA	NA
MW-31-D2R	1/14/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 2.0	NA	NA	NA	NA	**2,200 B**	**430 B**	NA	**508 B**	**5,08,000 B**	NA	NA

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

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		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
AMW-13-D1	6/24/2016	NA	NA	NA	NA	**170,000**	**11,900**	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA
AMW-13-D2	6/23/2016	NA	NA	NA	NA	**250,000**	**2,600**	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA
AMW-13-VD	6/23/2016	NA	NA	NA	NA	**1,860,000**	< 100	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA
AMW-14-D1	6/24/2016	NA	NA	NA	NA	**103,000**	**48,000**	NA
	7/26/2016	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	**170 HF**	< 50	< 0.050	NA	**140,000**	**38,000**	**13,100 B**
	8/27/2017	< 100	< 50	< 0.050	NA	**251,000**	**56,400**	**10,600 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**1,24,000 B**	**50,400**	**23,600 B**
	7/12/2018	**120 HF**	< 50	< 0.050	NA	**172,000**	**50,800**	NA
	10/17/2018	**260 HF**	< 50	< 0.050	NA	**1,98,000 B**	**48,400**	NA
	5/10/2019	< 100 HF	**80 J**	<0.10	NA	**98,000**	**52,700**	**45,400 B**
	9/13/2019	**570 HF**	**14 J B**	<0.10	NA	**240,000**	**64,600**	**22,100**
	12/5/2019	< 100 HF	<100	<0.10	NA	**130,000**	**62,600**	**21,100**
	2/12/2020	**150 HF**	**17 J H**	< 0.1	NA	**280,000**	**64,700**	**18,400**
	6/10/2020	**1,470 T8**	--	--	<1,000	**219,000**	<50.0	**19,200**
	8/19/2020	**1,500 T8**	NA	NA	<2,000	**131,000**	**4.16**	**26,900**
	11/4/2020	**418 T8**	NA	NA	<100	**127,000**	**458**	**39,000**
	3/19/2021	**2,440 T8**	NA	NA	<2,000	**112,000**	**182**	**20,000 B**
	6/2/2021	**513 T8**	NA	NA	<2,000	**266,000**	**341**	**18,900**
	8/12/2021	**513 T8**	NA	NA	<2,000	**266,000**	**341**	**18,900**
	11/16/2021	**513 T8**	NA	NA	<2,000	**266,000**	**341**	**18,900**
	2/2/2022	**1,380 T8**	NA	NA	<500	**114,000**	**11,000**	**34,000**
	5/5/2022	**1,380 T8**	NA	NA	<500	**114,000**	**11,000**	**34,000**
	8/24/2022	**5,100 T8**	NA	NA	<1,000	**133,000**	**63.0 Q**	**25,900 B**
	11/29/2022	**574 T8**	NA	NA	<5,000	**120,000**	**12,300**	**25,600**
	3/9/2023	**654 T8**	NA	NA	NA	**235,000**	**3,400**	**38,800**
AMW-14-D2	6/23/2016	NA	NA	NA	NA	**263,000**	**22,500**	NA
	7/26/2016	NA	NA	NA	NA	**NA**	NA	NA
	7/27/2016	NA	NA	NA	NA	**NA**	NA	NA
	8/27/2017	< 100	< 50	< 0.050	NA	**507,000**	**4,200**	**7,800 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**2,10,000 B**	**27,200**	**11,600 B**
	7/12/2018	< 100	< 50	< 0.050	NA	**315,000**	**56,000**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**3,27,000 B**	**58,800**	NA
	5/10/2019	**1,100 HF**	**49 J**	<0.10	NA	**84,000**	**71,600**	**18,500 B**
	9/13/2019	**550 HF**	<100	**0.0092 J B**	NA	**120,000**	**60,800**	**19,200**
	12/5/2019	**290 HF**	<100	<0.10	NA	**260,000**	**51,200**	**18,300**
	2/12/2020	**850 HF**	< 100	<0.1	NA	**310,000**	**59,700**	**16,700**
	6/10/2020	**2,360 T8**	NA	NA	<1,000	**270,000**	<50.0	**14,500**
	8/19/2020	**847 T8**	NA	NA	<2,000	**182,000**	**1.01**	**16,200**
	11/5/2020	**322 T8**	NA	NA	<100	**176,000**	**8,060**	**16,800**
	3/19/2021	**904 T8**	--	--	<2,000	**321,000**	**79**	**15,300**
	6/2/2021	**563 T8**	NA	NA	<2,000	**272,000**	**1,180**	**2,990 B**

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

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-14-D2 (cont.)	8/12/2021	**563 T8**	NA	NA	<2,000	**272,000**	**1,180**	**2,990 B**
	11/16/2021	**563 T8**	NA	NA	<2,000	**272,000**	**1,180**	**2,990 B**
	2/2/2022	**4,620 T8**	NA	NA	<2,000	**221,000**	**4,040**	**15,700**
	5/5/2022	**4,620 T8**	NA	NA	<2,000	**221,000**	**4,040**	**15,700**
	8/24/2022	**3,120 T8**	NA	NA	<1,000	**157,000**	<50.0 Q	**15,200 B**
	11/29/2022	**372 T8**	NA	NA	**515**	**111,000**	**1,280**	**13,300 B**
	3/9/2023	**448 T8**	NA	NA	<500	**154,000**	**219,000**	**14,700**
AMW-14-VD	6/23/2016	NA	NA	NA	NA	**1,780,000**	< 100	NA
	7/27/2016	NA	NA	NA	NA	**NA**	NA	NA
	7/5/2017	< 100	< 50	< 0.050	NA	**1,830,000**	**800 J**	**3,400 B**
	8/27/2017	**4,700 HF**	< 50	< 0.050	NA	**2,000,000**	< 1,000	**4,000 B**
	10/11/2017	**1,600 HF**	< 50	< 0.050	NA	**1,890,000**	**800 J**	**4,500 B**
	7/12/2018	< 100	< 50	< 0.050	NA	**1,870,000**	**5,200 F1**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**19,20,000 B**	< 1,000	NA
	5/10/2019	**300 HF**	**94 J**	**0.076 J**	NA	**2,000,000**	<1,000	**18,300 B**
	9/13/2019	**1,400 HF**	**35 J B**	**0.027 J B**	NA	**1,700,000**	**830 J**	**8,500**
	12/5/2019	**130 HF**	< 100	**0.020 J B**	NA	**2,800,000**	**1,200**	**9,300**
	2/12/2020	**680 HF**	**21 J B**	**0.019 J B**	NA	**2,000,000**	< 1.0	**7,900**
	6/10/2020	**17,800 T8**	NA	NA	<100	**1,920,000**	<50.0	**7,270**
	8/20/2020	**14,900 T8**	NA	NA	<100	**1,850,000**	<0.05	**8,160**
	11/5/2020	**18,000 T8**	NA	NA	<100	**2,250,000**	**117**	**7,270**
	3/19/2021	**17,600 T8**	NA	NA	**82.0 J**	**1,960,000**	<50	**8,300**
	6/2/2021	**18,500 T8**	NA	NA	**56.4 J**	**1,790,000**	<50 J6	**7,340 B**
	8/12/2021	**18,500 T8**	NA	NA	**56.4 J**	**1,790,000**	<50 J6	**7,340 B**
	11/16/2021	**18,500 T8**	NA	NA	**56.4 J**	**1,790,000**	<50 J6	**7,340 B**
	2/2/2022	**20,600 T8**	NA	NA	<500	**1,880,000**	<50	**7,000**
	5/5/2022	**20,600 T8**	NA	NA	<500	**1,880,000**	<50	**7,000**
	8/24/2022	**18,500 T8**	NA	NA	<100	**1,800,000**	<50.0 Q	**8,010**
	11/29/2022	**17,700 T8**	NA	NA	<100	**1,680,000**	<50.0	**8,800**
	3/9/2023	**20,200 T8**	NA	NA	<100	**1,790,000**	<50.0	**7,770**
AMW-15-D1	6/23/2016	NA	NA	NA	NA	**166,000**	**20,500**	NA
	7/27/2016	NA	NA	NA	NA	**NA**	NA	NA
	10/26/2016	NA	NA	NA	NA	**63,100**	**8,000**	NA
	10/26/2016	NA	NA	NA	NA	**164,000**	**36,000**	NA
	7/5/2017	< 100	< 50	< 0.050	NA	**1,640,000**	**42,000**	**9,400 B**
	8/27/2017	< 500	< 50	< 0.050	NA	**156,000**	**53,200**	**53,400 B**
	10/11/2017	< 200	< 50	< 0.050	NA	**1,89,000 B**	**41,600**	**36,200 B**
	10/17/2018	**120 HF**	**79**	< 0.050	NA	**188,000**	**56,000**	NA
	5/9/2019	<100 HF	**430 J**	**0.38 J**	NA	**200,000**	**41,400**	**36,800 B**
	9/13/2019	**2,200 HF**	< 100	**0.029 J**	NA	**380,000**	**31,100**	**38,500**
	12/5/2019	**340 HF**	< 100	<0.10	NA	**180,000**	**30,700**	**40,800**
	2/11/2020	**1,400 HF**	**17 J H**	**0.017 J H**	NA	**380,000**	**11,500**	**26,300**
	6/10/2020	**662 T8**	NA	NA	<1,000	**331,000**	**51.0**	**31,800**
	8/19/2020	**481 T8**	NA	NA	<10000	**202,000**	**25.6**	**40,600**
	11/4/2020	**658 T8**	NA	NA	<100	**138,000**	**514**	**32,100**
	3/19/2021	**324 T8**	NA	NA	<2,000	**115,000**	**1,630**	**27,400**
	6/2/2021	**20,100 T8**	NA	NA	<2,000	**290,000**	**1,380 Q**	**31,900**
	11/16/2021	**20,100 T8**	NA	NA	<2,000	**290,000**	**1,380 Q**	**31,900**

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

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D1 (cont.)	2/1/2022	**381 T8**	NA	NA	<1,000	**117,000**	**236 J4**	**30,300**
	5/5/2022	**381 T8**	NA	NA	<1,000	**117,000**	**236 J4**	**30,300**
	8/24/2022	**925 T8**	NA	NA	<1,000	**52,100**	<50.0 Q	**18,600 B**
	11/28/2022	**304 T8**	NA	NA	<5,000	**143,000**	<50.0	**28,000**
	3/10/2023	**297 T8**	NA	NA	<1,000	**111,000**	**19,700**	**4,570**
AMW-15-D2	6/23/2016	NA	NA	NA	NA	**166,000**	**1,800**	NA
	6/23/2016	NA	NA	NA	NA	**165,000**	**1,900 F1**	NA
	7/27/2016	NA	NA	NA	NA	**NA**	NA	NA
	10/26/2016	NA	NA	NA	NA	**243,000**	**12,800**	NA
	10/26/2016	NA	NA	NA	NA	**216,000**	**36,000**	NA
	7/5/2017	**170 HF**	< 50	< 0.050	NA	**269,000**	**34,000**	**10,300 B**
	8/27/2017	< 100	< 50	< 0.050	NA	**237,000**	**58,000**	**10,900 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**2,54,000 B**	**45,200**	**9,800 B**
	10/17/2018	< 100	< 50	< 0.050	NA	**2,62,000 B**	**48,000**	NA
	5/10/2019	**85 J HF**	**47 J**	**0.0070 J**	NA	**220,000**	**50,800**	**14,200 B**
	9/13/2019	**140 HF**	< 100	<0.10	NA	**330,000**	**55,100**	**14,800**
	12/5/2019	**280 HF**	< 100	<0.10	NA	**280,000**	**58,800**	**15,800**
	2/11/2020	**190 HF**	< 100	<0.10	NA	**380,000**	**54,600**	**13,700**
	6/9/2020	**1,460 T8**	NA	NA	<1,000	**301,000**	**186**	**12,000**
	8/19/2020	**5,440 T8**	NA	NA	<2000	**166,000**	**0.214**	**12,300**
	11/4/2020	**673 T8**	NA	NA	<100	**263,000**	**58**	**13,300**
	3/19/2021	**9,200 T8**	NA	NA	<2,000	**256,000**	**98**	**12,700**
	6/2/2021	**6,060 T8**	NA	NA	<2,000	**51,000**	**221**	**10,600**
	8/12/2021	**6,060 T8**	NA	NA	<2,000	**51,000**	**221**	**10,600**
	11/16/2021	**6,060 T8**	NA	NA	<2,000	**51,000**	**221**	**10,600**
	2/1/2022	**479 T8**	NA	NA	<1,000	**201,000**	**1,070,000 J4**	**9,600**
	5/4/2022	**479 T8**	NA	NA	<1,000	**201,000**	**1,070,000 J4**	**9,600**
	8/24/2022	**1,200 T8**	NA	NA	<1,000	**282,000**	<50.0 Q	**10,600 B**
	11/29/2022	**907 T8**	NA	NA	<5,000	**244,000**	**107**	**11,800 B**
	3/10/2023	**473 T8**	NA	NA	<500	**216,000**	<50.0	**10,800**
AMW-15-D3	6/23/2016	NA	NA	NA	NA	**1,790,000**	NA	NA
	6/23/2016	NA	NA	NA	NA	**784,000**	NA	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA
	8/27/2017	< 500	< 50	< 0.050	NA	**495,000**	**16,400**	**34,300 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**897,000 B**	**39,200**	**7,200 B**
	7/13/2018	< 100	< 50	< 0.050	NA	**482,000**	**22,800**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**916,000**	**35,600**	NA
	5/10/2019	< 100	**42 J**	**0.056 J**	NA	**980,000**	**41,400**	**14,400 B**
	9/13/2019	**210 HF**	< 100	<0.10	NA	**300,000**	**55,100**	**11,000**
	12/5/2019	< 100	< 100	<0.10	NA	**470,000**	**58,800**	**12,300**
	2/11/2020	**470 HF**	< 500 H	< 0.5 H	NA	**290,000**	**23,200**	**13,700**
	6/9/2020	**526 T8**	NA	NA	<1,000	**534,000**	<50.0	**13,700**
	8/19/2020	**229 T8**	NA	NA	<500	**919,000**	**6.8**	**20,100**
	11/4/2020	**348 T8**	NA	NA	<100	**337,000**	**1,050**	**13,500**
	3/19/2021	**5,440 T8**	NA	NA	<500	**275,000**	**27.0 J**	**8,250**
	6/1/2021	**18,000 T8**	NA	NA	<500	**50,500**	**56.0 Q**	**13,900**
	8/12/2021	**18,000 T8**	NA	NA	<500	**50,500**	**56.0 Q**	**13,900**
	11/16/2021	**18,000 T8**	NA	NA	<500	**50,500**	**56.0 Q**	**13,900**

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

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3 (cont.)	2/1/2022	**66.0 T8**	NA	NA	**628 J**	**182,000**	**970 J4**	**9,330**
	5/5/2022	**66.0 T8**	NA	NA	**628 J**	**182,000**	**970 J4**	**9,330**
	11/28/2022	**2,150 T8**	NA	NA	<5,000	**660,000**	<50.0	**7,820 B**
	3/9/2023	**1,920 T8**	NA	NA	<500	**971,000**	**28.0 J**	**13,600**
AMW-15-VD	6/23/2016	NA	NA	NA	NA	**1,810,000**	< 100	NA
	7/27/2016	NA	NA	NA	NA	NA	NA	NA
	8/27/2017	**280 HF**	< 50	< 0.050	NA	**2,140,000**	< 1,000	**3,500 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**20,70,000 B**	< 1,000	**3,400 B**
	7/13/2018	< 100	< 50	< 0.050	NA	**1,890,000**	**800 J**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**15,30,000 B**	< 1,000	NA
	5/10/2019	< 100*	< 100	**0.035 J**	NA	**2,000,000**	<1000	**6,800 B**
	9/13/2019	**500 HF**	< 100	**0.011 J**	NA	**1,800,000**	<1,000	**6,900**
	12/5/2019	**130 HF**	< 100 U F1	**0.019 JB**	NA	**2,800,000**	<1,000	**7,700**
	2/11/2020	**370 HF**	< 500 H	< 0.5 H	NA	**2,000,000**	< 1.0	**6,500**
	6/9/2020	**6,390 T8**	NA	NA	<100	**1,990,000**	<50.0	**6,450 B**
	8/19/2020	**52,800 T8**	NA	NA	<500	**1,970,000**	<0.05	**7,560**
	11/4/2020	**4,880 T8**	NA	NA	<100	**2,270,000**	**144**	**8,040 B**
	3/19/2021	**4,850 T8**	NA	NA	<2,000	**1,990,000**	**<50**	**8,970**
	6/2/2021	**107 T8**	NA	NA	<100	**630,000**	<50	**4,140 B J**
	8/12/2021	**107 T8**	NA	NA	<100	**630,000**	<50	**4,140 B J**
	11/16/2021	**107 T8**	NA	NA	<100	**630,000**	<50	**4,140 B J**
	2/1/2022	**5,840 T8**	NA	NA	<100	**1,940,000**	<64 J4	**6,400**
	5/5/2022	**5,840 T8**	NA	NA	<100	**1,940,000**	<64 J4	**6,400**
	8/24/2022	**15,100 T8**	NA	NA	**204**	**2,030,000**	<50.0 Q	**7,510 B**
	11/28/2022	**4,010 T8**	NA	NA	**135**	**1,260,000**	<50.0	**7,410**
	3/10/2023	**2,400 T8**	NA	NA	<100	**1,780,000**	<50.0	**5,900**
AMW-3	1/13/2016	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	NA	NA	**970,000**	**5,300**	NA
AMW-7R	1/12/2016	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	NA	NA	**82,300**	**5,200**	NA
	7/11/2018	**320 HF**	< 50	< 0.050	NA	**41,900**	**3,800**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**22,600 B**	**1,600**	NA
	5/10/2019	< 100 HF	< 100	**0.023 J**	NA	**82,000 F1**	<1000	**19,800**
	9/14/2019	**840 HF**	<100	**0.015 J B**	NA	**49,000**	**1,200**	**20,800**
	12/6/2019	**100 HF**	**25 J B**	**0.017 J**	NA	**84,000**	**1,900**	**88,400**
	2/12/2020	**1700 HF**	**23 J B**	**0.02 J B**	NA	**75,000**	**10,400**	**19,800**
	6/9/2020	**11,300 T8**	NA	NA	<100	**68,600**	<50.0	**20,500**
	8/19/2020	**11200 T8**	NA	NA	<500	**96,200**	**0.062**	**28,900**
	11/6/2020	**16,000 T8**	NA	NA	<100	**37,600**	<50	**23,500**
	3/19/2021	**12,100 T8**	NA	NA	<100	**115,000**	<50	**24,300**
	6/2/2021	**26,600 T8**	NA	NA	<100 J6	**62,200**	**55.0**	**20,600**
	8/12/2021	**26,600 T8**	NA	NA	<100 J6	**62,200**	**55.0**	**20,600**
	11/16/2021	**26,600 T8**	NA	NA	<100 J6	**62,200**	**55.0**	**20,600**
	5/5/2022	**26,600 T8**	NA	NA	<100 J6	**62,200**	**55.0**	**20,600**
	11/29/2022	**20,300 T8**	NA	NA	<500	**47,500**	<50.0	**23,500**
	3/10/2023	**8,590 T8**	NA	NA	<500	**57,200**	<50.0	**21,400**
ASB-2	6/6/2016	NA	NA	NA	NA	NA	NA	NA
ASB-3	6/8/2016	NA	NA	NA	NA	NA	NA	NA
ASB-4	6/7/2016	NA	NA	NA	NA	NA	NA	NA

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

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		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
ASB-7	6/2/2016	NA	NA	NA	NA	NA	NA	NA
MW-18R	6/22/2016	NA	NA	NA	NA	**27,800**	< 100	NA
	7/11/2018	**110 HF**	< 50	< 0.050	NA	**120,000**	**12,200**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**20,000 B**	**11,600**	NA
	9/14/2019	**3,500 HF**	<100	**0.024 J B**	NA	**86,000**	**14,800**	95,400
	12/5/2019	**0.28 HF**	**30 JB**	**0.029 J**	NA	**74,000**	**15,900**	**123,000**
	2/12/2020	**150 H F**	**160 B**	**0.053 J B**	NA	**14,000**	**910 J**	**55,000**
	6/9/2020	**5,360 T8**	NA	NA	<1,000	**87,100**	**70.0**	**57,700**
	3/19/2021	**547 T8**	NA	NA	<2,000	**48,700**	**55.0**	**61,100**
	6/2/2021	**1,170 T8**	NA	NA	<100	**36,700**	**38.0 J**	**29,200**
	8/12/2021	**1,170 T8**	NA	NA	<100	**36,700**	**38.0 J**	**29,200**
	11/16/2021	**1,170 T8**	NA	NA	<100	**36,700**	**38.0 J**	**29,200**
	2/2/2022	--	NA	NA	<500	--	--	--
	5/5/2022	--	NA	NA	<500	--	--	--
	8/25/2022	NA	NA	NA	NA	NA	NA	NA
	11/29/2022	NA	NA	NA	<500	**90,200**	NA	NA
	3/9/2023	NA	NA	NA	NA	**68,600**	NA	**12,200**
MW-23-D1R	10/26/2016	NA	NA	NA	NA	**148,000**	**6,400**	NA
	10/26/2016	NA	NA	NA	NA	**156,000**	**13,600**	NA
	1/12/2016	NA	NA	NA	NA	**NA**	NA	NA
	6/20/2016	NA	NA	NA	NA	**180,000**	**16,900 F1**	NA
	7/5/2017	< 100	< 50	< 0.050	NA	**259,000**	**8,400**	**16,100 B**
	8/27/2017	**2,000 HF**	**23 J H**	< 0.050	NA	**173,000**	**15,400**	**17,300 B**
	10/12/2017	< 100	< 50	< 0.050	NA	**1,78,000 B**	**26,800**	**15,400 B**
	7/12/2018	**260 HF**	< 50	< 0.050	NA	**149,000**	**28,800**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**177,000**	**25,200**	NA
	9/13/2019	**330 HF**	**26 J B**	**0.017 J B**	NA	**190,000**	**10,300**	20,800
	12/5/2019	**260 HF**	**37 JB**	**0.018 J**	NA	**130,000**	**3,500**	**22,300**
	2/11/2020	**120 HF**	**99 J H**	**0.018 J H**	NA	**130,000**	**8,800**	**7,500**
	6/10/2020	**1,460 T8**	NA	NA	<1,000	**213,000**	**39.0 J**	**18,200**
	8/19/2020	**4,880 T8**	NA	NA	<2,000	**111,000**	<0.05	**21,600**
	11/5/2020	**3,600 T8**	NA	NA	405	**121,000**	<50	**20,200**
	3/19/2021	**2,600 T8**	NA	NA	**275**	**234,000**	**414 J6**	**15,200**
	6/2/2021	**3,620 T8**	NA	NA	<100	**179,000**	**27.0 J**	**15,000**
	8/12/2021	**3,620 T8**	NA	NA	<100	**179,000**	**27.0 J**	**15,000**
	11/16/2021	**3,620 T8**	NA	NA	<100	**179,000**	**27.0 J**	**15,000**
	2/2/2022	**1,180 T8**	NA	NA	<1,000	**118,000**	**62.7 J J4**	**15,200**
	5/5/2022	**1,180 T8**	NA	NA	<1,000	**118,000**	**62.7 J J4**	**15,200**
	8/25/2022	**4,800 T8**	NA	NA	<1,000	**183,000**	<50.0 Q	**16,100**
	11/29/2022	**1,040 T8**	NA	NA	**1,970**	**23,600**	<50.0	**4,960 B**
	3/9/2023	**823 T8**	NA	NA	<1,000	**213,000**	**204**	**7,150**
MW-23-D2R	1/12/2016	NA	NA	NA	NA	**NA**	NA	NA
	6/20/2016	NA	NA	NA	NA	**317,000**	**700**	NA
	7/5/2017	**170 HF**	< 50	< 0.050	NA	**861,000**	**29,600**	**5,200 B**
	8/27/2017	< 100	**37 J H**	< 0.050	NA	**665,000**	**36,200**	**6,100 B**
	10/12/2017	< 100	< 50	< 0.050	NA	**4,78,000 B**	**20,000**	**9,700 B**
	7/12/2018	**240 HF**	**38 J**	**0.0045 J**	NA	**290,000**	**10,900**	**20,700 B**
	5/9/2019	**240 HF**	**38 J**	**0.0045 J**	NA	**290,000**	**10,900**	**20,700 B**

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

ARCADIS

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	9/13/2019	**4,100 HF**	**17 J B**	**0.025 J B**	NA	**160,000**	**34,100**	**17,100**
	12/5/2019	< 100	**69 JB**	**0.051 J**	NA	**160,000**	**3,800**	**18,900**
	8/19/2020	**2,780 T8**	NA	NA	<500	**229,000**	**0.092**	**12,700**
	11/5/2020	**6,430 T8**	NA	NA	<100	**202,000**	<50	**11,700**
	3/18/2021	**1,120 T8**	NA	NA	<2,000	**336,000**	**86**	**11,600**
	6/2/2021	**1,220 T8**	NA	NA	<2,000	**318,000**	<50	**9,780**
	8/12/2021	**1,220 T8**	NA	NA	<2,000	**318,000**	<50	**9,780**
	11/16/2021	**1,220 T8**	NA	NA	<2,000	**318,000**	<50	**9,780**
	2/2/2022	**326 J5T8**	NA	NA	<1,000	**232,000**	**19,000 J4**	**8,750**
	5/5/2022	**326 J5T8**	NA	NA	<1,000	**232,000**	**19,000 J4**	**8,750**
	8/25/2022	**1,780 T8**	NA	NA	<100	**151,000**	<50.0 Q	**7,050**
	11/29/2022	NA	NA	NA	<500	**206,000**	NA	**8,510**
	3/9/2023	NA	NA	NA	NA	NA	NA	**8,220**
MW-24-D1R	1/13/2016	NA	NA	NA	NA	**NA**	NA	NA
	6/21/2016	NA	NA	NA	NA	**189,000**	**79,300**	NA
	10/26/2016	NA	NA	NA	NA	**217,000**	**64,000 F1**	NA
	10/26/2016	NA	NA	NA	NA	**248,000**	**60,000**	NA
	10/26/2016	NA	NA	NA	NA	**219,000**	**56,000**	NA
	7/12/2018	< 100	< 50	< 0.050	NA	**200,000**	**66,400**	NA
	10/16/2018	< 100	< 50	< 0.050	NA	**75,300**	**56,400**	NA
	5/9/2019	**860 HF**	**63 J**	**0.014 J**	NA	**250,000**	**41,400**	**15,400 B**
	9/13/2019	**230 HF**	<100 [<100]	**0.015 J [<0.10]**	NA	**3,20,000 [2,00,000]**	**29,200 [75,900]**	**36,100 [34,900]**
	12/5/2019	**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	< 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	**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	**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	**184 T8 [384 T8]**	NA	NA	<100 [<100]	**189,000 [248,000]**	**160 [<50]**	**36,700 [35,000]**
	3/19/2021	**256 T8 [345 T8]**	NA	NA	<2,000 [<2,000]	**191,000 [165,000]**	**77.0 [193]**	**36,300 [37,800]**
	6/1/2021	**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	**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	**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	**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	**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	**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	**692 T8 [458 T8]**	NA	NA	<1,000 [<1,000]	**154,000 [166,000]**	**6,210 [5,440]**	**6,530 [30,200]**
MW-24-D2	1/13/2016	NA	NA	NA	NA	**NA**	NA	NA
	1/13/2016	NA	NA	NA	NA	**NA**	NA	NA
	6/21/2016	NA	NA	NA	NA	**270,000**	**92,200**	NA
	10/25/2016	NA	NA	NA	NA	**374,000**	**48,000**	NA
	10/25/2016	NA	NA	NA	NA	**270,000**	**64,000**	NA
	7/5/2017	< 100	< 50	< 0.050	NA	**541,000**	**84,000**	**12,500 B**
	8/27/2017	< 100	< 50	< 0.050	NA	**346,000**	**61,800**	**11,600 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**2,98,000 B**	**56,400**	**10,800 B**
	7/12/2018	< 100	**51 H**	**0.020 J H**	NA	**28,000**	**800 J**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**29,900**	**800 J**	NA
	5/9/2019	< 100 HF	**18 J**	**0.038 J**	NA	**9,100**	< 1,000	**6,300 B**
	9/13/2019	**160 HF**	**1,200**	**0.013 J**	NA	**9,900**	< 1,000	**6,000**
	12/5/2019	**180 HF**	< 100	< 0.1	NA	**55,000**	**12,100**	**59,700**
	2/11/2020	**220 HF**	**30 J H**	**0.016 J**	NA	**48,000**	< 1.0	**23,200**

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

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-24-D2 (cont.)	6/9/2020	**492 T8**	NA	NA	**63.3 J**	**89,200**	<50.0	**13,700**
	8/18/2020	**1,160 T8**	NA	NA	<500	**98,300**	<0.05	**15,800**
	11/5/2020	**1,050 T8**	NA	NA	<100	**85,500**	<50	**19,200**
	3/19/2021	**815 T8**	NA	NA	<2,000	**174,000**	**27 J**	**36,600**
	6/1/2021	**1,140 T8**	NA	NA	<100	**235,000**	**134 Q**	**38,100 B**
	11/16/2021	**1,140 T8**	NA	NA	<100	**235,000**	**134 Q**	**38,100 B**
	2/2/2022	**978 T8**	NA	NA	<500	**235,000**	<64 J4	**36,000**
	5/4/2022	**978 T8**	NA	NA	<500	**235,000**	<64 J4	**36,000**
	8/24/2022	**321 T8**	NA	NA	<500	**369,000**	<50.0 Q	**15,200 B**
	11/29/2022	<500 T8	NA	NA	<5,000	**319,000**	**16,200**	**14,500 B**
	3/10/2023	**1,410 T8**	NA	NA	<500	**257,000**	**74.0**	**18,300 B**
MW-24-VDR	7/12/2018	**100 HF**	< 50	< 0.050	NA	**1,640,000**	< 1,000	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**1,300,000**	< 1,000	NA
	5/9/2019	< 100 HF	**10 J**	**0.063 J**	NA	**1,700,000**	<1,000	**7,700 B**
	9/13/2019	**700 HF**	<100	**0.010 J**	NA	**720,000**	**1,200**	**7,700**
	12/5/2019	< 100 HF	< 100	< 0.10	NA	**3,100,000**	< 1,000	**4,800**
	2/11/2020	**2000 HF**	36 J H	**0.013 J**	NA	**2,000,000**	< 1,000	**8,200**
	6/9/2020	**43,100 T8**	NA	NA	<100	**1,580,000**	<50.0	**7,030**
	8/18/2020	**32,100 T8**	NA	NA	<100	**1,510,000**	<0.05	**8,400**
	11/5/2020	**42,400 T8**	NA	NA	<100	**1,770,000**	<50	**6,760 B**
	3/19/2021	**32,400 T8**	NA	NA	<100	**2,020,000**	<50	**11,300**
	6/1/2021	**216,000 T8**	NA	NA	<100	**1,810,000**	<50 Q	**9,370 B**
	11/16/2021	**216,000 T8**	NA	NA	<100	**1,810,000**	<50 Q	**9,370 B**
	11/29/2022	**899 T8**	NA	NA	<100	**32,900**	<50.0 J6	**1,620 B**
	3/10/2023	**1,640 T8**	NA	NA	**371**	**407,000**	<50.0	**2,800 B**
MW-26-D1	1/12/2016	NA	NA	NA	NA	**NA**	NA	NA
	6/22/2016	NA	NA	NA	NA	**139,000**	**70,600 F1**	NA
	10/25/2016	NA	NA	NA	NA	**252,000**	**48,000**	NA
	10/25/2016	NA	NA	NA	NA	**131,000**	**56,000**	NA
	7/5/2017	< 100	< 50	< 0.050	NA	**313,000**	**44,000**	**9,100 B**
	8/27/2017	< 100	< 50	< 0.050	NA	**203,000**	**43,200**	**10,800 B**
	10/11/2017	< 100	**600**	**5.1**	NA	**69,200**	< 1,000	**22,900 B**
	7/13/2018	< 100	< 50	< 0.050	NA	**237,000**	**44,800**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**2,64,000 B**	**28,400**	NA
	9/13/2019	**170 HF**	**12 J B**	**0.012 J B**	NA	**98,000**	**23,600**	**33,000**
	12/6/2019	**110 HF**	**30 JB**	**0.010 J**	NA	**230,000**	**21,000**	**31,600**
	2/11/2020	**570 HF**	NA	NA	NA	**290,000**	NA	**32,800**
	6/10/2020	**557 T8**	NA	NA	<1,000	**343,000**	**123**	**28,100**
	8/19/2020	**336 T8**	NA	NA	<500	**185,000**	**125**	**31,500**
	11/6/2020	**228 T8**	NA	NA	<100	**203,000**	<50	**31,100**
	6/2/2021	**363 T8**	NA	NA	<100	**342,000**	**72**	**29,400**
	8/12/2021	**363 T8**	NA	NA	<100	**342,000**	**72**	**29,400**
	11/16/2021	**363 T8**	NA	NA	<100	**342,000**	**72**	**29,400**
	2/2/2022	**110 T8**	NA	NA	<500	**297,000**	<50	**31,800**
	5/5/2022	**110 T8**	NA	NA	<500	**297,000**	<50	**31,800**
	8/25/2022	**225 T8**	NA	NA	<1000	**178,000**	<50.0 Q	**28,800**
	11/29/2022	**31.0 JT8**	NA	NA	<1,000	**52,700**	**787**	**37,400**
	3/10/2023	**771 T8**	NA	NA	<100	**200,000**	<50.0	**34,000**

See Notes on Page 61.

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

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		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
	6/22/2016	NA	NA	NA	NA	**1,200,000**	**1,700**	NA
	10/25/2016	NA	NA	NA	NA	**NA**	**40,000**	NA
	10/25/2016	NA	NA	NA	NA	**382,000**	**36,000**	NA
	7/5/2017	< 100	< 50	< 0.050	NA	**1,580,000**	**24,400**	**4,300 B**
	8/27/2017	< 100	< 50	< 0.050	NA	**1,100,000**	**16,000**	**4,800 B**
	10/11/2017	< 100	**28 J**	< 0.050	NA	**1,100,000**	**26,800**	**8,800 B**
	10/17/2018	< 100	< 50	< 0.050	NA	**3,61,000 B**	**25,600**	NA
	5/9/2019	< 100 HF	**21 J**	< 0.10	NA	**350,000**	**54,600**	**14,600 B**
	9/13/2019	<100 HF	<100	**0.0071 J B**	NA	**280,000**	**57,000**	**14,900**
	12/6/2019	**270 HF**	<100	< 0.10	NA	**280,000**	**45,600**	**13,700**
	2/11/2020	< 100 HF	**18 J H**	< 0.1	NA	**420,000**	**28,200**	**15,400**
	6/10/2020	**279 T8**	NA	NA	<1,000	**368,000**	**282**	**13,200 B**
	8/19/2020	**160 T8**	NA	NA	<500	**288,000**	**6.6**	**17,800**
	11/16/2021	**160 T8**	NA	NA	<500	**288,000**	**6.6**	**17,800**
MW-26-VD	1/13/2016	NA	NA	NA	NA	**NA**	**NA**	NA
	6/22/2016	NA	NA	NA	NA	**497,000**	**6,000**	NA
MW-27-D1R	1/13/2016	NA	NA	NA	NA	**NA**	**NA**	NA
	6/21/2016	NA	NA	NA	NA	**290,000**	**97,300**	NA
	7/5/2017	< 100	< 50	< 0.050	NA	**308,000**	**14,400**	**13,700 B**
	8/27/2017	< 100	< 50	< 0.050	NA	**699,000**	**1,400**	**14,400 B**
	7/13/2018	**170 HF**	< 50	< 0.050	NA	**157,000**	**63,200**	NA
	10/18/2018	**91 J HF**	< 50	< 0.050	NA	**183,000**	**63,200**	NA
	5/10/2019	**910 HF**	**19 J**	**0.010 J**	NA	**260,000**	**37,600**	**17,600**
	9/14/2019	**420 HF**	<100	**0.0084 J B**	NA	**160,000**	**53,200**	**17,600**
	12/5/2019	< 100	**45 JB**	< 0.10	NA	**200,000**	**45,600**	**16,600**
	8/19/2020	**10,400 T8**	NA	NA	<2,000	**310,000**	**93.7**	**18,700**
	11/6/2020	**552 T8**	NA	NA	<100	**170,000**	<50	**14,400 B**
	3/20/2021	**703 T8**	NA	NA	<2,000	**171,000**	**79.0**	**18,800 B**
	6/2/2021	**327 T8**	NA	NA	<2,000	**314,000**	**3,640 Q**	**15,300 B**
	8/12/2021	**327 T8**	NA	NA	<2,000	**314,000**	**3,640 Q**	**15,300 B**
	11/17/2021	**327 T8**	NA	NA	<2,000	**314,000**	**3,640 Q**	**15,300 B**
	2/2/2022	**751 T8**	NA	NA	<2,000	**177,000**	**4,520**	**14,400**
	5/5/2022	**751 T8**	NA	NA	<2,000	**177,000**	**4,520**	**14,400**
	11/29/2022	**5,480 T8**	NA	NA	<100	**525,000**	<50.0	**6,990 B**
	3/9/2023	**258 T8**	NA	NA	**22,600**	**174,000**	**17,200**	**2,970 B**
MW-27-D2	1/13/2016	NA	NA	NA	NA	**NA**	NA	NA
	6/21/2016	NA	NA	NA	NA	**49,200**	**160**	NA
	7/5/2017	< 100	< 50	< 0.050	NA	**808,000**	**12,800**	**6,300 B**
	8/27/2017	< 100	< 50	< 0.050	NA	**1,300,000**	**16,600**	**4,800 B**
	10/12/2017	**450 HF**	**40 J**	< 0.050	NA	**11,20,000 B**	**8,800**	**4,700 B**
	7/13/2018	< 100	< 50	< 0.050	NA	**844,000**	**10,800**	NA
	10/18/2018	< 100	< 50	< 0.050	NA	**1,250,000**	**7,200**	NA
	5/10/2019	**760 HF**	**29 J**	< 0.10	NA	**250,000**	**24,400**	**15,200**
	9/14/2019	**630 HF**	**26 J B**	**0.013 J B**	NA	**250,000**	**32,200**	**12,700**

See Notes on Page 61.

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

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-27-D2 (cont.)	12/5/2019	**120 HF**	< 100	**0.011 J**	NA	**280,000**	**22,000**	**12,000**
	2/12/2020	**480 HF F1**	**31 J B**	**0.02 J B**	NA	**400,000**	**14,100**	**10,100**
	6/10/2020	**4,450 T8**	NA	NA	<1,000	**485,000**	<50.0	**9,620**
	8/19/2020	**1,470 T8**	NA	NA	<100 J6	**367,000**	**0.047 J**	**8,900**
	11/6/2020	**12,600 T8**	NA	NA	461	**1,100,000**	<50	**6,090**
	3/20/2021	**4,550 T8**	NA	NA	**53.7 J J6**	**1,120,000**	<50	**6,900**
	6/2/2021	**7,580 T8**	NA	NA	<100	**1,100,000**	<50	**4,240 B**
	8/12/2021	**7,580 T8**	NA	NA	<100	**1,100,000**	<50	**4,240 B**
	11/17/2021	**7,580 T8**	NA	NA	<100	**1,100,000**	<50	**4,240 B**
	2/2/2022	**16,800 T8**	NA	NA	<100	**1,020,000**	<50	**5,720**
	5/5/2022	**16,800 T8**	NA	NA	<100	**1,020,000**	<50	**5,720**
	8/25/2022	**8,390 T8**	NA	NA	<100	**5,95,000**	<50.0 Q	**10,500**
	11/29/2022	**1,010 T8**	NA	NA	<1,000	**200,000**	**17,000**	**13,200**
	3/9/2023	**2,270 T8**	NA	NA	<100	**1,030,000**	<50.0	**8,140**
MW-28-D1	6/24/2016	NA	NA	NA	NA	**155,000**	**54,400**	NA
	7/28/2016	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	< 100	< 50	< 0.050	NA	**340,000**	**4,000**	**13,000 B**
	8/27/2017	< 100	< 50	< 0.050	NA	**349,000**	**18,200**	**14,400 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**196,000**	**32,800**	**23,900 B**
	10/17/2018	< 100	**76**	**0.044 J**	NA	**231,000**	**7,200**	NA
	5/9/2019	**600 HF**	< 100	**0.016 J**	NA	**170,000**	**45,200**	**12,900 B**
	9/13/2019	**560 HF**	<100	**0.014 J B**	NA	**81,000**	**51,400**	**14,800**
	12/5/2019	**100 HF**	**21 JB**	**0.017 J**	NA	**280,000**	**1,600**	**17,300**
	2/11/2020	**280 HF**	**22 J H**	**0.018 J**	NA	**290,000**	**50,900**	**17,700**
	6/9/2020	**522 T8**	NA	NA	<100	**343,000**	<50.0	**15,300 B**
	8/19/2020	**145 T8**	NA	NA	<100	**304,000**	<0.05	**31,300**
	11/6/2020	**160 T8**	NA	NA	<100	**178,000**	190	**16,500**
	6/2/2021	**247 T8**	NA	NA	<100	**272,000**	**29.0 J**	**9,410**
	8/12/2021	**247 T8**	NA	NA	<100	**272,000**	**29.0 J**	**9,410**
	11/16/2021	**247 T8**	NA	NA	<100	**272,000**	**29.0 J**	**9,410**
	2/2/2022	**188 T8**	NA	NA	**1,010**	**228,000**	<50	**24,200**
	5/5/2022	**188 T8**	NA	NA	**1,010**	**228,000**	<50	**24,200**
	8/25/2022	**1,548 T8**	NA	NA	**116**	**207,000**	<50.0 Q	**18,500**
	11/29/2022	**376 T8**	NA	NA	**123**	**211,000**	**102**	**31,900**
	3/9/2023	**677 T8**	NA	NA	<500	**242,000**	**14,000**	**11,700**
MW-28-D2R	6/24/2016	NA	NA	NA	NA	**1,080,000**	< 100	NA
	7/28/2016	NA	NA	NA	NA	**NA**	NA	NA
	7/5/2017	**92 J HF**	< 50	< 0.050	NA	**1,620,000**	**2,400**	**4,000 B**
	8/27/2017	**420 HF**	< 50	< 0.050	NA	**1,370,000**	**4,000**	**4,800 B**
	10/11/2017	**160 HF**	< 50	< 0.050	NA	**938,000**	**3,600**	**4,500 B**
	7/13/2018	< 100	< 50	< 0.050	NA	**432,000**	**11,200**	NA
	10/17/2018	< 100	**260**	< 0.050	NA	**1,330,000**	**3,200**	NA
	5/9/2019	**200 HF**	< 100	**0.036 J**	NA	**870,000**	**10,900**	**9,400 B**
	9/13/2019	**200 HF**	**23 J B**	**0.020 J B**	NA	**530,000**	**6,100**	**8,800**
	12/6/2019	**160 HF**	**25 JB**	**0.015 J**	NA	**850,000**	**5,000**	**6,600**
	2/11/2020	**100 U HF**	**140 H**	**0.014 J**	NA	**440,000**	**11,500**	**8,300**
	6/9/2020	**6,540 T8**	NA	NA	**55.8 J**	**2,220,000**	<50.0	**5,920**
	8/19/2020	**4,540 T8**	NA	NA	<100	**1,140,000**	<0.05	**6,560**
	11/6/2020	**8,800 T8**	NA	NA	138	**618,000**	<50	**6,560**

See Notes on Page 61.

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

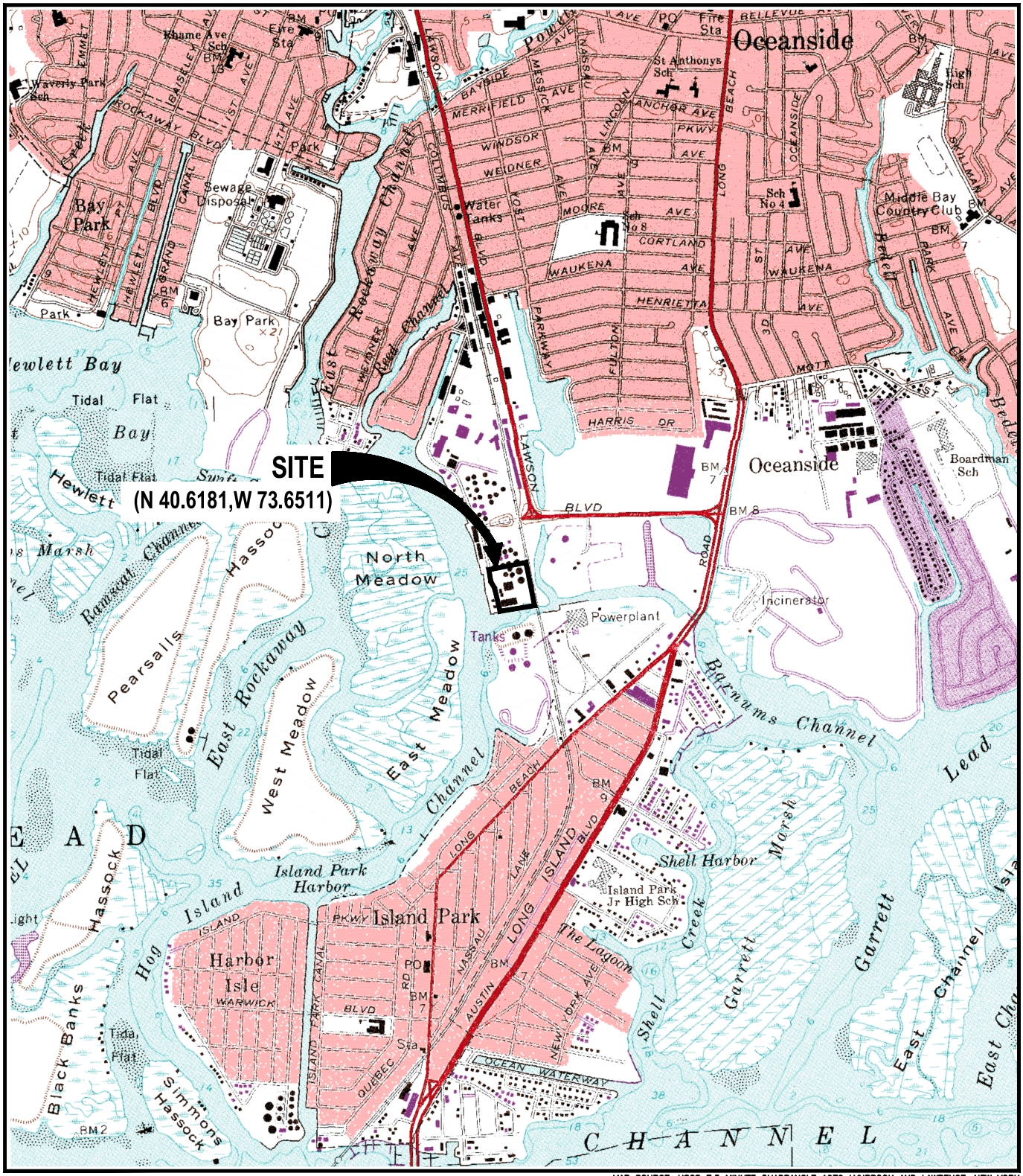
Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-28-D2R (cont.)	3/20/2021	**566 T8**	NA	NA	**217**	**1,270,000**	<50	**6,950**
	6/2/2021	**846 T8**	NA	NA	<100	**1,280,000**	<50	**5,730 B**
	8/12/2021	**846 T8**	NA	NA	<100	**1,280,000**	<50	**5,730 B**
	11/16/2021	**846 T8**	NA	NA	<100	**1,280,000**	<50	**5,730 B**
	2/2/2022	**10,700 T8**	NA	NA	**91.6 J**	**1,310,000**	<50	**5,570**
	5/5/2022	**10,700 T8**	NA	NA	**91.6 J**	**1,310,000**	<50	**5,570**
	8/25/2022	**1,770 T8**	NA	NA	<500	**449,000**	<50.0 Q	**7,250**
	11/29/2022	**252 T8**	NA	NA	<100	**389,000**	<50.0	**5,730 B**
	3/9/2023	**403 T8**	NA	NA	<500	**484,000**	<50.0	**8,580**
MW-29-D1	1/14/2016	NA	NA	NA	NA	**NA**	NA	NA
	6/21/2016	NA	NA	NA	NA	**< 5000**	**230**	NA
	10/26/2016	NA	NA	NA	NA	**< 5000**	**1,200**	NA
	10/26/2016	NA	NA	NA	NA	**1,800 J**	< 2,000	NA
	7/5/2017	< 100	< 50	< 0.050	NA	**< 1,00,000**	**800 J**	**13,500 B**
	8/27/2017	< 100	< 50	< 0.050	NA	**< 1,00,000**	**101,000**	**12,900 B**
	10/12/2017	< 100	< 50	< 0.050	NA	**< 40,000**	**1,200**	**11,300 B**
	7/13/2018	< 100	< 50	< 0.050	NA	**< 40,000**	**1,200**	NA
	10/18/2018	< 100	< 50	< 0.050	NA	**13,600 J**	**800 J**	NA
	5/10/2019	**63 J HF**	< 100	**0.026 J**	NA	**13,000**	**1,100**	**14,200**
	9/14/2019	**110 HF**	<100	**0.016 J B**	NA	**6,900**	**830 J**	**10,000**
	12/6/2019	< 100	**53 J B**	**0.036 J**	NA	**16,000**	< 1,000	**29,500**
	2/12/2020	**230 HF**	`	**0.018 J B**	NA	**17,000**	**910 J**	**3,400**
	6/10/2020	**362 T8**	NA	NA	<100	**72,600**	<50.0	**16,400**
	8/19/2020	**232 T8**	NA	NA	**107**	**60,500**	**0.031 J**	**18,700**
	11/6/2020	**204 T8**	NA	NA	**<100**	**43,800**	<50	**17,200**
	3/20/2021	**4,200 T8**	NA	NA	<2,000	**44,500**	<50	**17,700 B**
	6/2/2021	**2,190 T8**	NA	NA	<100	**39,200**	**29.0 J**	**11,000 B**
	8/12/2021	**2,190 T8**	NA	NA	<100	**39,200**	**29.0 J**	**11,000 B**
	5/5/2022	**2,190 T8**	NA	NA	<100	**39,200**	**29.0 J**	**11,000 B**
	11/29/2022	**1,590 T8**	NA	NA	**65.9 J**	**6,840**	**25.0 J**	**5,660 B**
	3/10/2023	**14,800 T8**	NA	NA	<100	**93,700**	<50.0	**2,040 B**
MW-29-D2	1/14/2016	NA	NA	NA	NA	NA	**NA**	NA
	6/21/2016	NA	NA	NA	NA	**939,000**	**17,000**	NA
MW-29-VD	1/14/2016	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	NA	NA	NA	NA	**1,890,000**	< 100	NA
MW-30-D1	1/14/2016	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	NA	NA	**92,700**	NA
MW-30-D2	1/14/2016	NA	NA	NA	NA	NA	NA	NA
	1/14/2016	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	NA	NA	**64,100 F1**	NA
MW-30-VD	1/14/2016	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	NA	NA	< 100	NA
MW-31-D1R	1/14/2016	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	NA	NA	**600**	NA
MW-31-D2R	1/14/2016	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	NA	NA	NA	NA	NA	**2,800**	NA

See Notes on Page 61.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2022
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Notes:
ID = Identification
NYSDEC = New York State Department of Environmental Conservation
TOGS = NYSDEC Technical and Operational Guidance Series ambient water quality standards and guidance values of June 1998
ug/L = micrograms per liter
Bolded values = compound was detected
Shaded cells = concentration was above the TOGS
< = Less than indicated reporting limit
NE = Not established
CaCO3 '= calcium carbonate
J = Analyte detected at a level less than the Reporting Limit and greater than or equal to the Method Detection Limit. Concentrations within this range are estimated.
J0 = The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration metmethod criteria.
J4 = The associated batch QC was outside the established quality control range for accuracy.
J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low
T8 = Sample(s) received past/too close to holding time expiration.
HF = Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
H = Sample was prepped or analyzed beyond the specified holding time.
B = Compound was found in the blank and sample.
F1 = Matrix spike and/or matrix spike duplicate recovery was outside acceptance limits.
E = Result exceeded calibration range
C3 = The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C5 = The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
[ ] = Duplicate analysis results
D = Sample was diluted due to high concentration of target analytes.
O1 = The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
* = LCS or LCSD was above the control limits.
^ = Instrument related QC was outside acceptance limits.
-- = Not available

Figures



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

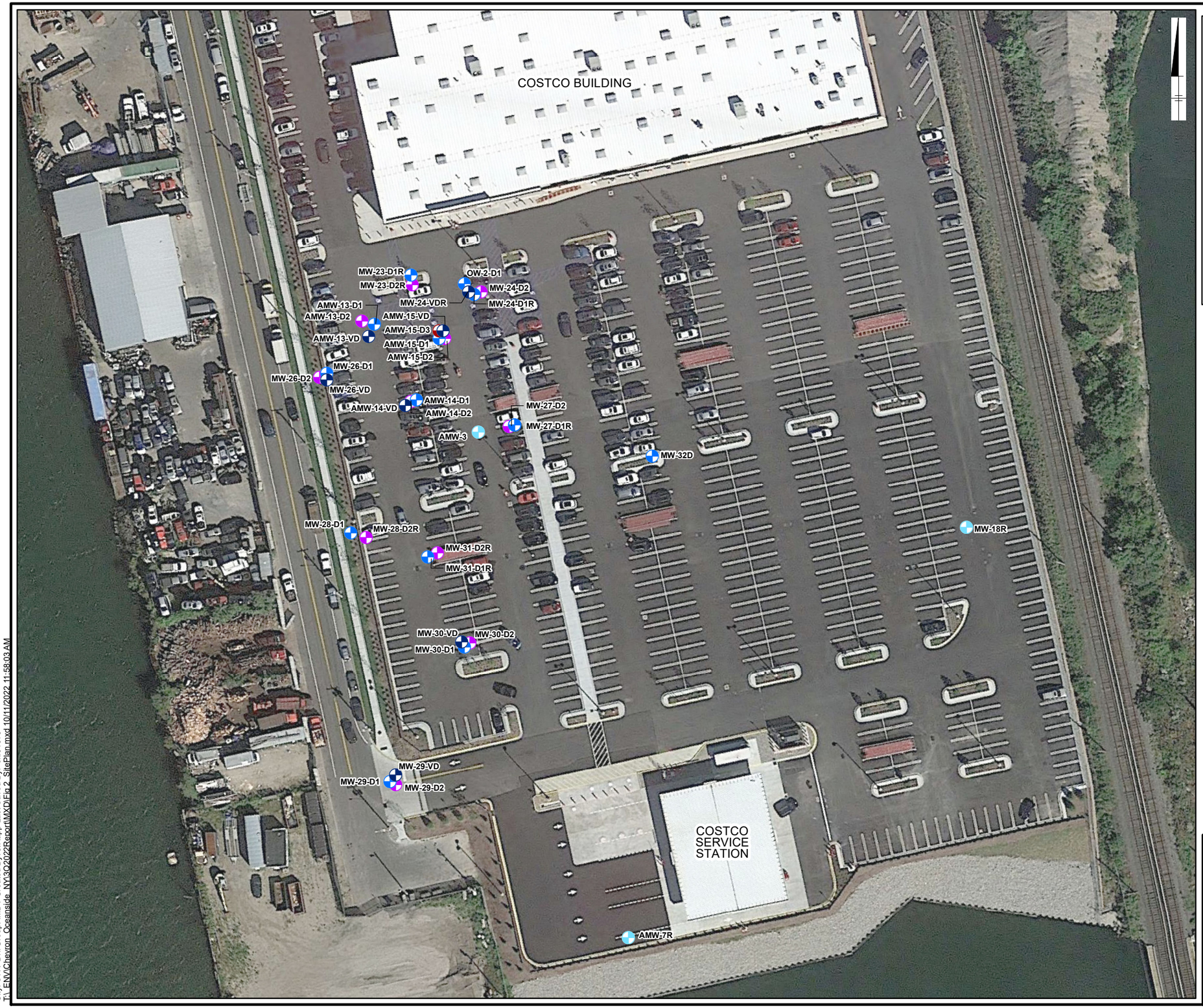
CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

SITE LOCATION MAP

ARCADIS

FIGURE 1

IMAGES:
NY_Lawrence.TIF
NY_Lynbrook.TIF



SITE LOCATION

LEGEND:

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

0 70 140 Feet

GRAPHIC SCALE

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: ski010176
T:_ENV\Chevron_Oceanside_NY\3Q2022Report\MXD\Fig 2_SitePlan.mxd 10/11/2022 11:58:03 AM

MW-24-D2
MW-24-D1R
4.50*
MW-23-D1R
1.70
OW-2-D1
2.30
MW-23-D2R
AMW-13-D1
2.47
AMW-13-D2
AMW-13-VD
AMW-15-D3
MW-24-VDR
2.1
MW-26-D1
2.44
MW-26-D2
MW-26-VD
AMW-15-VD
AMW-15-D2
AMW-15-D1
1.62
2.1
1.7
AMW-14-VD
AMW-14-D2
AMW-14-D1
1.54
AMW-3
2.62
MW-27-D1R
1.64
MW-27-D2
2.5
2.1
MW-32D
2.18
MW-18R
3.47*
MW-28-D1
1.75
MW-28-D2R
MW-31-D1R
2.37
MW-31-D2R
MW-30-VD
MW-30-D2
MW-30-D1
2.15
2.1
1.7
MW-29-VD
MW-29-D1
1.57
MW-29-D2
AMW-7R
1.78*

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)
- APPROXIMATE FLOW DIRECTION
- 2.30 GROUNDWATER ELEVATION IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
- * NOT USED TO GENERATE CONTOURS

0 70 140 Feet

GRAPHIC SCALE

NOTE:

1. THE WELLS WERE GAUGED DURING HIGH TIDE.

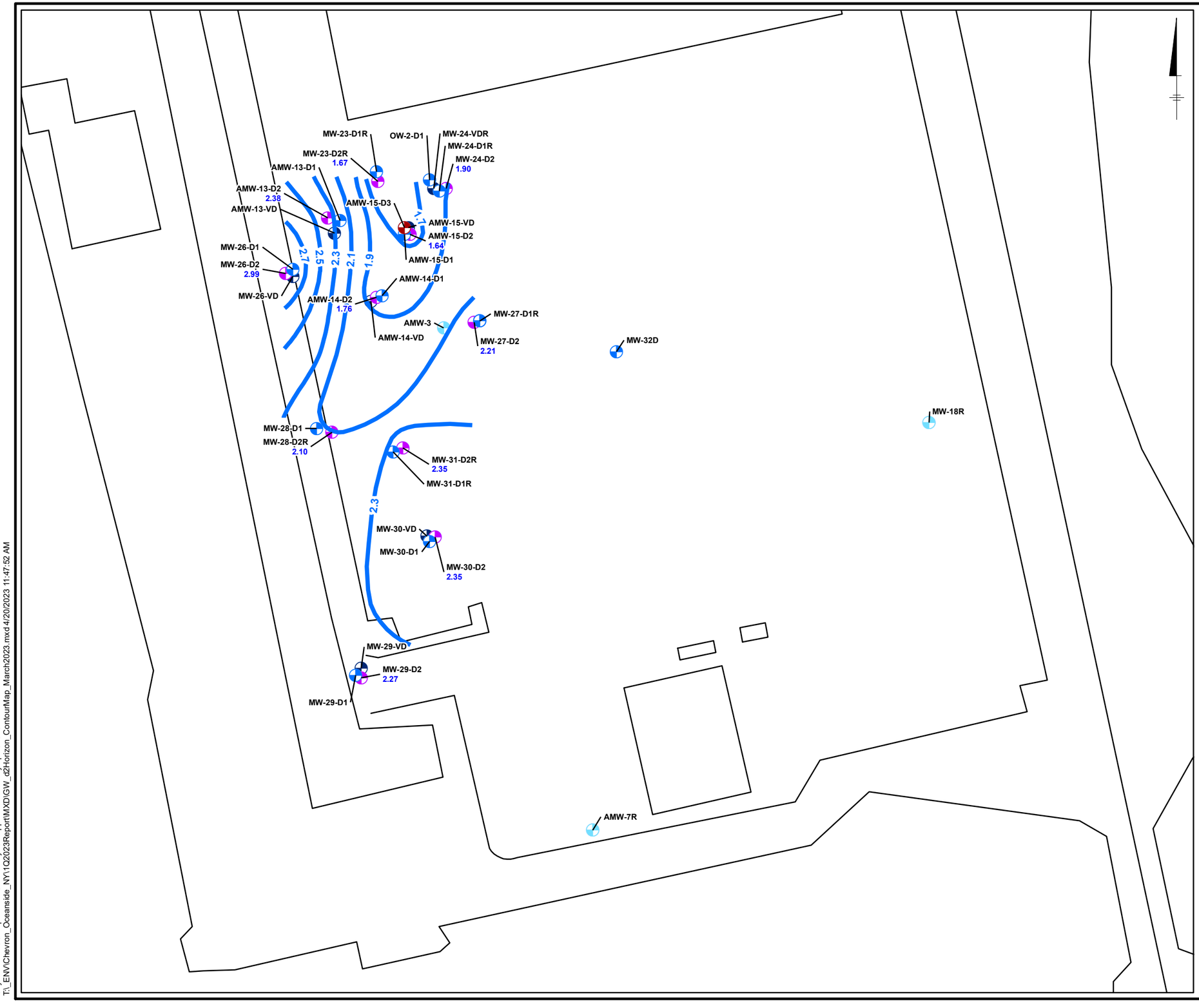
CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

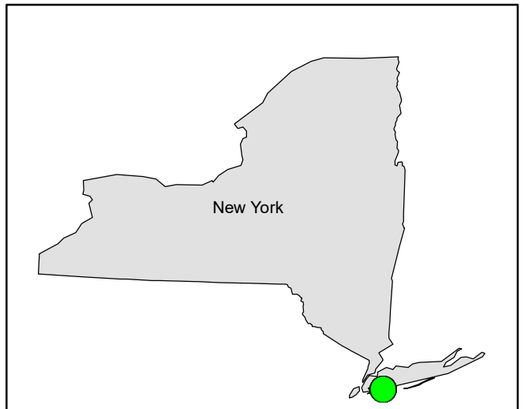
D1 HORIZON GROUNDWATER CONTOUR MAP MARCH 8, 2023

ARCADIS

FIGURE 3

City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: psil01045
T:_ENV\Chevron_Oceanside_NY\1Q2023Report\MXD\GW_d1Horizon_ContourMap_March_2023.mxd 4/20/2023 4:59:14 PM





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)
- APPROXIMATE FLOW DIRECTION
- 1.76 GROUNDWATER ELEVATION IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

0 70 140 Feet

GRAPHIC SCALE

NOTE:

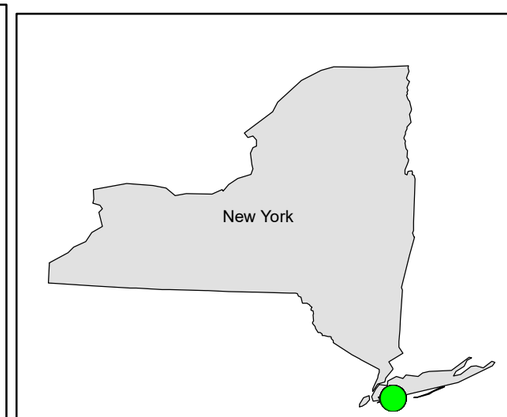
1. THE WELLS WERE GAUGED DURING HIGH TIDE.

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

D2 HORIZON GROUNDWATER CONTOUR MAP MARCH 8, 2023

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
- GROUNDWATER ELEVATION CONTOUR (NAVD 88)
- APPROXIMATE FLOW DIRECTION
- 3.14 GROUNDWATER ELEVATION CONTOUR (NAVD 88)
- * NOT USED TO GENERATE CONTOURS

0 70 140 Feet

GRAPHIC SCALE

NOTE:

1. THE WELLS WERE GAUGED DURING HIGH TIDE.

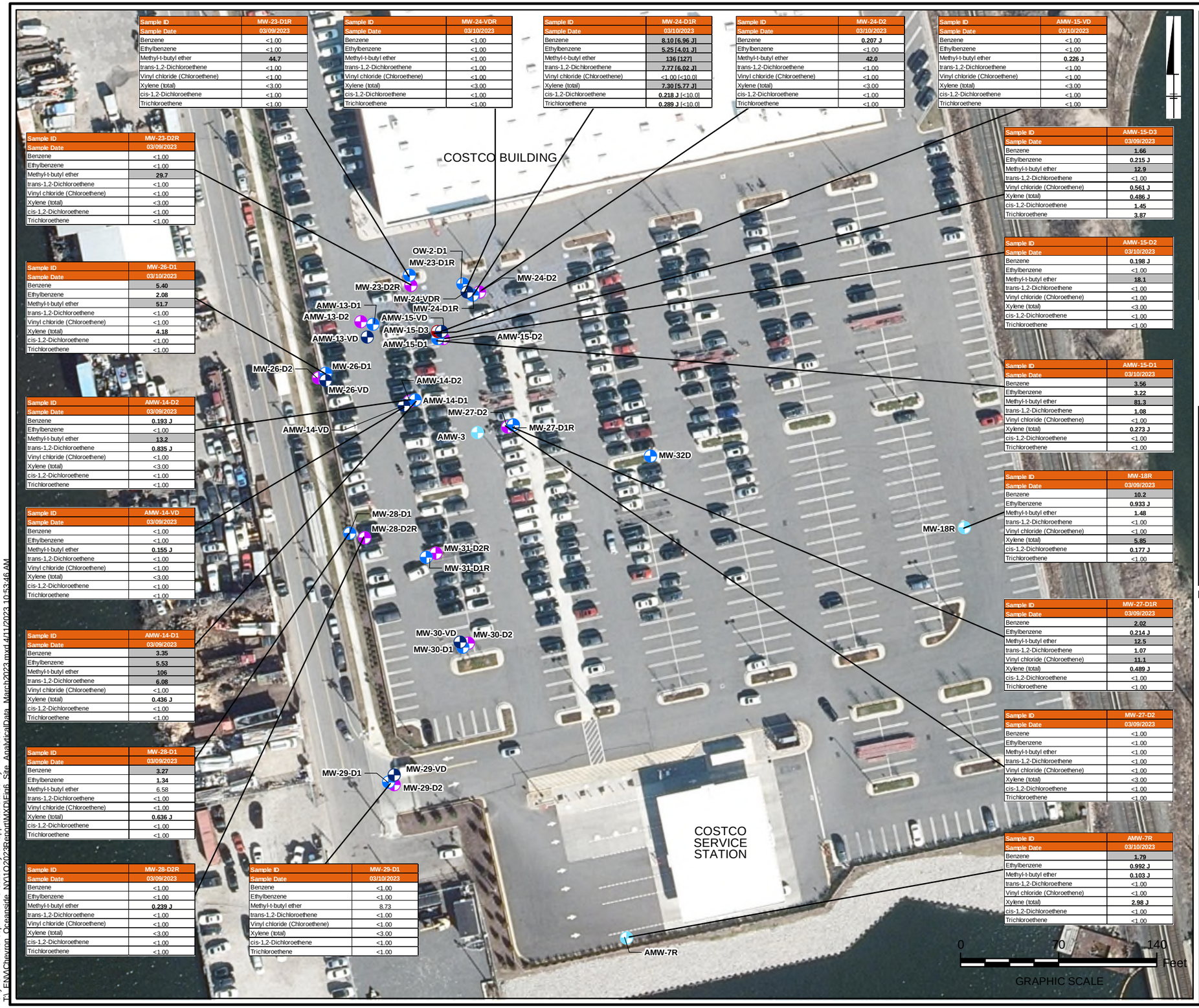
CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

VD HORIZON GROUNDWATER CONTOUR MAP MARCH 8, 2023

ARCADIS

FIGURE 5

City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: psi01045
T:_ENV\Chevron_Oceanside_NY\1Q2023Report\MXD\GW_VDHorizon_ContourMap_March2023.mxd 4/20/2023 12:15:47 PM



Sample ID	MW-23-D1R
Sample Date	03/09/2023
Benzene	<1.00
Ethylbenzene	<1.00
Methyl-t-butyl ether	44.7
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	<3.00
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	MW-24-VDR
Sample Date	03/10/2023
Benzene	<1.00
Ethylbenzene	<1.00
Methyl-t-butyl ether	<1.00
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	<3.00
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	MW-24-D1R
Sample Date	03/10/2023
Benzene	8.10 [6.96 J]
Ethylbenzene	5.25 [4.01 J]
Methyl-t-butyl ether	136 [127]
trans-1,2-Dichloroethene	7.77 [6.02 J]
Vinyl chloride (Chloroethene)	<1.00 [<10.0]
Xylene (total)	7.30 [5.77 J]
cis-1,2-Dichloroethene	0.218 J [<10.0]
Trichloroethene	0.289 J [<10.0]

Sample ID	MW-24-D2
Sample Date	03/10/2023
Benzene	0.207 J
Ethylbenzene	<1.00
Methyl-t-butyl ether	42.0
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	<3.00
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	AMW-15-VD
Sample Date	03/10/2023
Benzene	<1.00
Ethylbenzene	<1.00
Methyl-t-butyl ether	0.226 J
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	<3.00
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	MW-23-D2R
Sample Date	03/09/2023
Benzene	<1.00
Ethylbenzene	<1.00
Methyl-t-butyl ether	29.7
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	<3.00
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	AMW-15-D3
Sample Date	03/09/2023
Benzene	1.66
Ethylbenzene	0.215 J
Methyl-t-butyl ether	12.9
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	0.561 J
Xylene (total)	0.486 J
cis-1,2-Dichloroethene	1.45
Trichloroethene	3.87

Sample ID	MW-26-D1
Sample Date	03/10/2023
Benzene	5.40
Ethylbenzene	2.08
Methyl-t-butyl ether	51.7
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	4.18
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	AMW-15-D2
Sample Date	03/10/2023
Benzene	0.198 J
Ethylbenzene	<1.00
Methyl-t-butyl ether	18.1
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	<3.00
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	AMW-14-D2
Sample Date	03/09/2023
Benzene	0.193 J
Ethylbenzene	<1.00
Methyl-t-butyl ether	13.2
trans-1,2-Dichloroethene	0.835 J
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	<3.00
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	AMW-15-D1
Sample Date	03/10/2023
Benzene	3.56
Ethylbenzene	3.22
Methyl-t-butyl ether	81.3
trans-1,2-Dichloroethene	1.08
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	0.273 J
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	AMW-14-VD
Sample Date	03/09/2023
Benzene	<1.00
Ethylbenzene	<1.00
Methyl-t-butyl ether	0.155 J
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	<3.00
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	MW-18R
Sample Date	03/09/2023
Benzene	10.2
Ethylbenzene	0.933 J
Methyl-t-butyl ether	1.48
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	5.85
cis-1,2-Dichloroethene	0.177 J
Trichloroethene	<1.00

Sample ID	AMW-14-D1
Sample Date	03/09/2023
Benzene	3.35
Ethylbenzene	5.53
Methyl-t-butyl ether	106
trans-1,2-Dichloroethene	6.08
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	0.436 J
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	MW-27-D1R
Sample Date	03/09/2023
Benzene	2.02
Ethylbenzene	0.214 J
Methyl-t-butyl ether	12.5
trans-1,2-Dichloroethene	1.07
Vinyl chloride (Chloroethene)	11.1
Xylene (total)	0.489 J
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	MW-28-D1
Sample Date	03/09/2023
Benzene	3.27
Ethylbenzene	1.34
Methyl-t-butyl ether	6.58
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	0.636 J
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	MW-27-D2
Sample Date	03/09/2023
Benzene	<1.00
Ethylbenzene	<1.00
Methyl-t-butyl ether	<1.00
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	<3.00
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	MW-28-D2R
Sample Date	03/09/2023
Benzene	<1.00
Ethylbenzene	<1.00
Methyl-t-butyl ether	0.239 J
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	<3.00
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	MW-29-D1
Sample Date	03/10/2023
Benzene	<1.00
Ethylbenzene	<1.00
Methyl-t-butyl ether	8.73
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	<3.00
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

Sample ID	AMW-7R
Sample Date	03/10/2023
Benzene	1.79
Ethylbenzene	0.992 J
Methyl-t-butyl ether	0.103 J
trans-1,2-Dichloroethene	<1.00
Vinyl chloride (Chloroethene)	<1.00
Xylene (total)	2.98 J
cis-1,2-Dichloroethene	<1.00
Trichloroethene	<1.00

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	NYDEC TOGS 1.1.1
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, AEROGRID, IGN, AND THE GIS USER COMMUNITY
CONCENTRATIONS ARE IN MICROGRAMS PER LITER (UG/L)
ID = IDENTIFICATION
NYSDEC = NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TOGS = NYSDEC TECHNICAL AND OPERATIONAL GUIDANCE SERIES AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES OF JUNE 1998
BOLDED VALUES = COMPOUND DETECTED
GREY SHADED CELLS = CONCENTRATION ABOVE THE TOGS
J = THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.
[ ] = DUPLICATE ANALYSIS RESULTS
< = LESS THAN INDICATED REPORTING LIMIT

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

GROUNDWATER ANALYTICAL RESULTS MARCH 9 AND 10, 2023

ARCADIS

FIGURE 6

City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: vmn1306
T:_ENV\Chevron_Oceanside_NY\10202328eport\MXD\Fig6_Site_AnalyticalData_March2023.mxd 4/11/2023 10:53:46 AM

Attachments

Attachment 1

Groundwater and Gauging and Sampling Logs

TABLE 2
SUMMARY OF GROUNDWATER GAUGING DATA
FORMER GULF OIL TERMINAL
OCEANSIDE, TOWNSHIP OF HEMPSTEAD, NEW YORK

Monitoring Well	Date	Well Diameter (in)	Well Depth (ft btoc)	Top of Casing Elevation (ft)*	Depth to Water (ft btoc)	Depth to Bottom (ft btoc)	
AMW-3	03/08/23	2	12.42	9.05	6.43	12.35	
AMW-13-D1	03/08/23	2	34.01	9.87	7.40	32.90	
AMW-13-D2	03/08/23	2	43.95	9.76	7.38	42.77	
AMW-13-VD	03/08/23	2	71.82	9.77	7.05	71.13	• J-plug cant fit PVC too tall/well lid
OW-2-D1	03/08/23	2	33.95	9.94	7.64	33.65	
MW-28-VD	03/08/23	2	68.25	9.99	2.61	59.72	
MW-29-D2	03/08/23	2	39.82	5.38	3.11	37.75	
MW-26-VD	03/08/23	2	67.22	5.27	7.41	67.45	
MW-30-D1	03/08/23	2	30	8.74	6.59	29.90	
MW-30-D2	03/08/23	2	46.63	8.72	6.37	40.31	
MW-30-VD	03/08/23	4	83.40	8.70	5.56	82.84	
MW-31-D1R	03/08/23	2	30.04	8.39	6.02	30.00	
MW-31-D2R	03/08/23	2	45.15	8.35	6.00	45.86	
MW-32D	03/08/23	2	37.45	8.85	6.67	35.96	
MW-27-D2	03/08/23	2	46.97	9.09	6.88	46.30	
MW-28-D2R	03/08/23	2	46.69	8.40	6.30	46.40	
MW-24-D2	03/08/23	2	42.20	10.00	8.10	41.67	
MW-24-VDR	03/08/23	2	73.98	9.72	7.40	68.60	
AMW-15-VD	03/08/23	2	72.15	9.82	7.63	71.14	
AMW-7R	03/08/23	2	14.42	9.95	8.17	13.85	
AMW-14-VD	03/08/23	2	75.61	9.25	7.41	74.33	
AMW-14-D2	03/08/23	2	43.17	9.37	7.61	42.64	
MW-28-D1	03/08/23	2	30.38	8.25	6.50	30.03	
★ MW-26-D2 ✓	03/08/23	2	43.76	9.40	6.91	8.42	• No well cap ~~Collected 03.21~~
MW-23-D2R	03/08/23	2	44.63	10.52	8.85	44.25	
AMW-15-D2	03/08/23	2	36.2	9.71	8.07	40.71	
AMW-15-D3	03/08/23	2	48.6	9.81	8.10	47.97	
MW-23-D1R	03/08/23	2	25.78	9.84	8.14	26.04	
AMW-15-D1	03/08/23	2	36.2	9.74	8.12	35.78	
MW-27-D1R	03/08/23	2	32.99	9.01	7.37	32.23	
MW-26-D1	03/08/23	2	28.8	9.95	7.51	20.18	
MW-29-D1	03/08/23	2	23.45	5.21	3.64	21.82	
• MW-18R	03/08/23	2	10.17	7.98	4.54	9.72	-missing 2 bolts
AMW-14-D1	03/08/23	2	33.15	9.38	7.84	32.58	
MW-24-D1R	03/08/23	2	32.23	9.82	5.32	31.39	Collect BD

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

ft btoc - Feet below top of casing

ft amsl - Feet above mean sea level

NG - Not gauged

Highlighted RED Bolded wells **need** to be gauged in that order. Highlighted wells should be gauged before red wells and after regular wells, but in no specific order. Regular wells can be gauged in any order so long as they are before

ARCADIS

Project Name: Chevron Oceanside

Field Personnel: A. Bell, L. Wright

Date: 03/09/23

Weather: Windy

Well ID	Time	pH	Temp (dep C)	Cond (Ms/cm3)	DO (mg/L)	ORP (mV)	Turbidity	Notes
AMW-14-D1	0030	6.95	9.02	6.57	.59	-323	29.8	- Not enough for [redacted] bottles; leak in hydrosleeve
AMW-14-VD	0035	6.58	9.97	92.7	6.61	-82	5.1	
AMW-14-D2	0120	7.40	1.52	13.4	3.70	-296	0.0	
MW-23-D2R	0150	8.07	1.04	3.14	7.97	-308	98.5	-Hydrasleeve < 1/2 full obstruction at 3.21
MW-18R	2040	12.72	6.30	1.08	.09	-292	86.6	* HYDRASLEEVE Y2 FULL
MW-27-D2	2120	7.37	7.15	52.0	4.51	-169	37.6	
MW-27-D1R	2130	7.49	4.78	13.9	2.16	-340	55.9	
MW-23-D1R	2205	7.50	3.89	5.70	1.90	-264	162	
MW-28-D2R	2235	6.82	6.21	12.6	10.90	-309		
MW-28-D1	2230	7.42	4.36	13.3	1.29	-355	87.1	
AMW-15-D3	2350	7.26	3.73	58.6	1.55	-221	453	
AMW-15-VD	0000	6.32	6.58	100	1.45	-262	57.8	-calibrated cond. to make sure it is 100.0 ms/cm
AMW-15-D2	0045	7.67	6.85	14.7	3.10	-371	105	
AMW-15-D1	0100	7.89	4.07	11.4	2.27	-391	65.4	
MW-24-D1R	0135	7.58	4.17	10.6	4.51	-382	40.1	03/10
MW-24-D2	0200	7.76	3.19	14.6	3.11	-385	29.3	
MW-24-VDR	0255	8.80	1.29	46.2	3.07	-294	800	
MW-26-D1	0310	8.86	1.30	11.6	4.56	-323	511	
AMW-7R	0350	8.65	4.62	1.15	6.02	-345	306	
MW-29-D1	0415	8.86	1.43	1.82	7.44	-295	800	

Attachment 2

Laboratory Analytical Report

ANALYTICAL REPORT

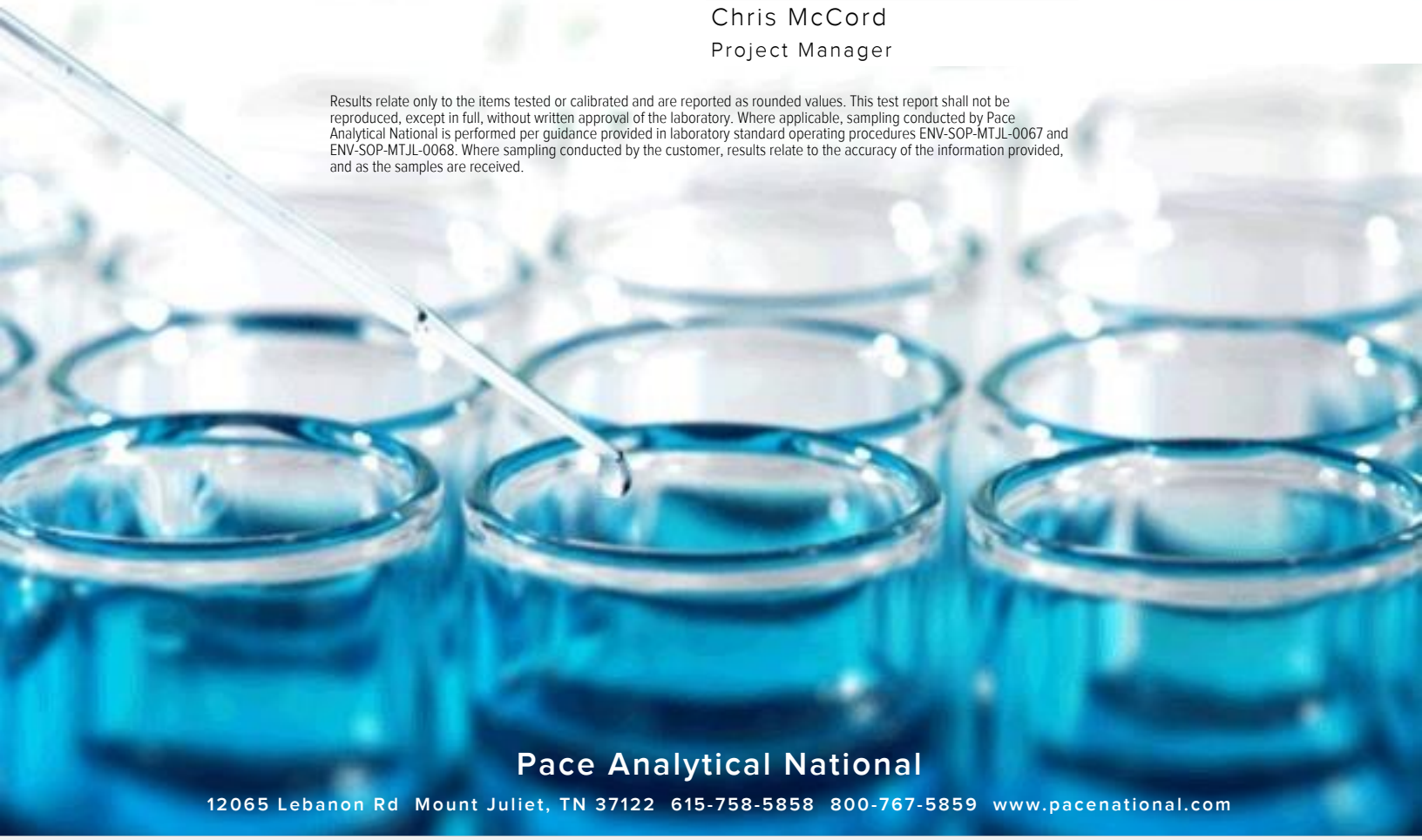
March 16, 2023

Arcadis - Chevron - NY

Sample Delivery Group:	L1593828
Samples Received:	03/10/2023
Project Number:	30062947.19.45
Description:	POD 4 - Oceanside 6518040
Site:	6518040
Report To:	Max Mansilla

Entire Report Reviewed By:

Chris McCord
Project Manager



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

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AMW-14-VD-W-230309 L1593828-01 GW

Collected by: AB/LW | Collected date/time: 03/09/23 00:35 | Received date/time: 03/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021533	1	03/15/23 12:27	03/15/23 12:27	ABL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022538	1	03/15/23 11:19	03/15/23 11:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022538	1	03/15/23 11:19	03/15/23 11:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021749	20	03/12/23 09:46	03/12/23 09:46	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021614	1	03/14/23 20:36	03/14/23 20:36	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022072	1	03/13/23 10:13	03/13/23 10:13	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2023873	100	03/15/23 21:32	03/15/23 21:32	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022499	1	03/14/23 13:12	03/14/23 13:12	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021533	1	03/13/23 02:41	03/15/23 12:27	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021533	50	03/13/23 02:41	03/15/23 17:56	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2022380	1	03/14/23 13:01	03/14/23 13:01	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/13/23 23:25	03/13/23 23:25	GH	Mt. Juliet, TN

AMW-14-D2-W-230309 L1593828-02 GW

Collected by: AB/LW | Collected date/time: 03/09/23 01:20 | Received date/time: 03/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021533	1	03/15/23 12:30	03/15/23 12:30	ABL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022538	1	03/15/23 12:54	03/15/23 12:54	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022538	1	03/15/23 12:54	03/15/23 12:54	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021749	1	03/12/23 09:47	03/12/23 09:47	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021614	5	03/14/23 20:37	03/14/23 20:37	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022072	400	03/13/23 10:42	03/13/23 10:42	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2023873	10	03/15/23 21:46	03/15/23 21:46	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2023873	100	03/15/23 21:59	03/15/23 21:59	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022499	1	03/14/23 14:17	03/14/23 14:17	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021533	1	03/13/23 02:41	03/15/23 12:30	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021533	5	03/13/23 02:41	03/15/23 17:59	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2022380	1	03/14/23 13:05	03/14/23 13:05	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/13/23 23:47	03/13/23 23:47	GH	Mt. Juliet, TN

MW-23-D2R-W-230309 L1593828-03 GW

Collected by: AB/LW | Collected date/time: 03/09/23 01:50 | Received date/time: 03/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9060A	WG2022499	1	03/14/23 14:37	03/14/23 14:37	AW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2022380	1	03/14/23 13:10	03/14/23 13:10	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 00:08	03/14/23 00:08	GH	Mt. Juliet, TN

AMW-14-D1-W-230309 L1593828-04 GW

Collected by: AB/LW | Collected date/time: 03/09/23 00:30 | Received date/time: 03/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021533	1	03/15/23 13:11	03/15/23 13:11	ABL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2020686	1	03/13/23 15:13	03/13/23 15:13	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2020686	1	03/13/23 15:13	03/13/23 15:13	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021749	1	03/12/23 09:47	03/12/23 09:47	CAH	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022072	4	03/13/23 10:42	03/13/23 10:42	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2023873	20	03/15/23 22:26	03/15/23 22:26	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022499	1	03/14/23 15:04	03/14/23 15:04	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021533	1	03/13/23 02:41	03/15/23 13:11	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2022380	1	03/14/23 13:22	03/14/23 13:22	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 00:30	03/14/23 00:30	GH	Mt. Juliet, TN

FB-W-230309 L1593828-05 GW

Collected by: AB/LW
Collected date/time: 03/09/23 02:30
Received date/time: 03/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021533	1	03/15/23 13:14	03/15/23 13:14	ABL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022538	1	03/15/23 11:37	03/15/23 11:37	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022538	1	03/15/23 11:37	03/15/23 11:37	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021749	1	03/12/23 09:48	03/12/23 09:48	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021614	1	03/14/23 20:38	03/14/23 20:38	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022072	1	03/13/23 10:43	03/13/23 10:43	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2023873	1	03/15/23 23:07	03/15/23 23:07	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022499	1	03/14/23 15:20	03/14/23 15:20	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021533	1	03/13/23 02:41	03/15/23 13:14	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2022380	1	03/14/23 13:39	03/14/23 13:39	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/13/23 23:03	03/13/23 23:03	GH	Mt. Juliet, TN

TB-W-230309 L1593828-06 GW

Collected by: AB/LW
Collected date/time: 03/09/23 00:00
Received date/time: 03/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/13/23 22:41	03/13/23 22:41	GH	Mt. Juliet, TN

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
WG2020686	4500CO2 D-2011	L1593828-04
WG2021749	3500Fe B-2011	L1593828-01, 02, 04, 05
WG2022538	4500CO2 D-2011	L1593828-01, 02, 05

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

Batch	Method	Lab Sample ID
WG2022499	9060A	L1593828-02

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

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2020686	Free Carbon Dioxide	L1593828-04
WG2022538	Free Carbon Dioxide	L1593828-01, 02

Wet Chemistry by Method 4500S2 D-2011

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

Batch	Lab Sample ID	Analytes
WG2022072	(MS) R3900335-4, (MSD) R3900335-5	Sulfide

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2023873	(MS) R3901835-6, (MSD) R3901835-7	Chloride and Sulfate

Wet Chemistry by Method 9060A

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2022499	TOC (Total Organic Carbon)	L1593828-05

Metals (ICP) by Method 6010D

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2021533	Sodium	L1593828-05

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

Batch	Lab Sample ID	Analytes
WG2021533	(MS) R3901405-3, (MSD) R3901405-4	Iron, Manganese and Sodium

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
WG2022447	L1593828-01	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1593828-02	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1593828-03	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1593828-04	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1593828-05	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1593828-06	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2022447	(LCS) R3901326-1, L1593828-01, 02, 03, 04, 05, 06	Acetone

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U		18.0	100	1	03/15/2023 12:27	WG2021533

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	609000		20000	1	03/15/2023 11:19	WG2022538
Free Carbon Dioxide	116000	B T8	20000	1	03/15/2023 11:19	WG2022538

Sample Narrative:

L1593828-01 WG2022538: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	20200	T8	300	1000	20	03/12/2023 09:46	WG2021749

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	03/14/2023 20:36	WG2021614

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	03/13/2023 10:13	WG2022072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	15800000		37900	100000	100	03/15/2023 21:32	WG2023873
Sulfate	1790000		59400	500000	100	03/15/2023 21:32	WG2023873

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7770		102	1000	1	03/14/2023 13:12	WG2022499

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	18700		18.0	100	1	03/15/2023 12:27	WG2021533
Manganese	399		0.934	10.0	1	03/15/2023 12:27	WG2021533
Sodium	9190000		25200	150000	50	03/15/2023 17:56	WG2021533

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	25.4		2.91	10.0	1	03/14/2023 13:01	WG2022380
Ethane	U		4.07	13.0	1	03/14/2023 13:01	WG2022380
Ethene	U		4.26	13.0	1	03/14/2023 13:01	WG2022380

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/13/2023 23:25	WG2022447
Benzene	U		0.0941	1.00	1	03/13/2023 23:25	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/13/2023 23:25	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/13/2023 23:25	WG2022447
Bromoform	U		0.129	1.00	1	03/13/2023 23:25	WG2022447
Bromomethane	U		0.605	5.00	1	03/13/2023 23:25	WG2022447
Carbon disulfide	U		0.0962	1.00	1	03/13/2023 23:25	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/13/2023 23:25	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/13/2023 23:25	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/13/2023 23:25	WG2022447
Chloroethane	U		0.192	5.00	1	03/13/2023 23:25	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/13/2023 23:25	WG2022447
Chloromethane	U		0.960	2.50	1	03/13/2023 23:25	WG2022447
Cyclohexane	U		0.188	1.00	1	03/13/2023 23:25	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/13/2023 23:25	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/13/2023 23:25	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/13/2023 23:25	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/13/2023 23:25	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/13/2023 23:25	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/13/2023 23:25	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/13/2023 23:25	WG2022447
1,2-Dichloroethane	0.204	J	0.0819	1.00	1	03/13/2023 23:25	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/13/2023 23:25	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/13/2023 23:25	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/13/2023 23:25	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/13/2023 23:25	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/13/2023 23:25	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/13/2023 23:25	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/13/2023 23:25	WG2022447
2-Hexanone	U		0.787	10.0	1	03/13/2023 23:25	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/13/2023 23:25	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/13/2023 23:25	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/13/2023 23:25	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/13/2023 23:25	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/13/2023 23:25	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/13/2023 23:25	WG2022447
Methyl tert-butyl ether	0.155	J	0.101	1.00	1	03/13/2023 23:25	WG2022447
Styrene	U		0.118	1.00	1	03/13/2023 23:25	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/13/2023 23:25	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/13/2023 23:25	WG2022447
Toluene	U		0.278	1.00	1	03/13/2023 23:25	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/13/2023 23:25	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/13/2023 23:25	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/13/2023 23:25	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/13/2023 23:25	WG2022447
Trichloroethene	U		0.190	1.00	1	03/13/2023 23:25	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/13/2023 23:25	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/13/2023 23:25	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/13/2023 23:25	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/13/2023 23:25	WG2022447
(S) Toluene-d8	*105*			*80.0-120*		*03/13/2023 23:25*	WG2022447
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*03/13/2023 23:25*	WG2022447
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*		*03/13/2023 23:25*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	309		15.0	50.0	1	03/15/2023 12:30	WG2021533

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	595000		20000	1	03/15/2023 12:54	WG2022538
Free Carbon Dioxide	72800	B T8	20000	1	03/15/2023 12:54	WG2022538

Sample Narrative:

L1593828-02 WG2022538: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	448	T8	15.0	50.0	1	03/12/2023 09:47	WG2021749

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		250	500	5	03/14/2023 20:37	WG2021614

Sample Narrative:

L1593828-02 WG2021614: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	219000		10000	20000	400	03/13/2023 10:42	WG2022072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2860000		37900	100000	100	03/15/2023 21:59	WG2023873
Sulfate	154000		5940	50000	10	03/15/2023 21:46	WG2023873

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	14700		102	1000	1	03/14/2023 14:17	WG2022499

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	757		18.0	100	1	03/15/2023 12:30	WG2021533
Manganese	115		0.934	10.0	1	03/15/2023 12:30	WG2021533
Sodium	2460000		2520	15000	5	03/15/2023 17:59	WG2021533

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1170		2.91	10.0	1	03/14/2023 13:05	WG2022380
Ethane	U		4.07	13.0	1	03/14/2023 13:05	WG2022380

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethene	U		4.26	13.0	1	03/14/2023 13:05	WG2022380

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/13/2023 23:47	WG2022447
Benzene	0.193	J	0.0941	1.00	1	03/13/2023 23:47	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/13/2023 23:47	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/13/2023 23:47	WG2022447
Bromoform	U		0.129	1.00	1	03/13/2023 23:47	WG2022447
Bromomethane	U		0.605	5.00	1	03/13/2023 23:47	WG2022447
Carbon disulfide	0.125	J	0.0962	1.00	1	03/13/2023 23:47	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/13/2023 23:47	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/13/2023 23:47	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/13/2023 23:47	WG2022447
Chloroethane	U		0.192	5.00	1	03/13/2023 23:47	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/13/2023 23:47	WG2022447
Chloromethane	U		0.960	2.50	1	03/13/2023 23:47	WG2022447
Cyclohexane	U		0.188	1.00	1	03/13/2023 23:47	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/13/2023 23:47	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/13/2023 23:47	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/13/2023 23:47	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/13/2023 23:47	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/13/2023 23:47	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/13/2023 23:47	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/13/2023 23:47	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/13/2023 23:47	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/13/2023 23:47	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/13/2023 23:47	WG2022447
trans-1,2-Dichloroethene	0.835	J	0.149	1.00	1	03/13/2023 23:47	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/13/2023 23:47	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/13/2023 23:47	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/13/2023 23:47	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/13/2023 23:47	WG2022447
2-Hexanone	U		0.787	10.0	1	03/13/2023 23:47	WG2022447
Isopropylbenzene	0.106	J	0.105	1.00	1	03/13/2023 23:47	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/13/2023 23:47	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/13/2023 23:47	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/13/2023 23:47	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/13/2023 23:47	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/13/2023 23:47	WG2022447
Methyl tert-butyl ether	13.2		0.101	1.00	1	03/13/2023 23:47	WG2022447
Styrene	U		0.118	1.00	1	03/13/2023 23:47	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/13/2023 23:47	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/13/2023 23:47	WG2022447
Toluene	U		0.278	1.00	1	03/13/2023 23:47	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/13/2023 23:47	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/13/2023 23:47	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/13/2023 23:47	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/13/2023 23:47	WG2022447
Trichloroethene	U		0.190	1.00	1	03/13/2023 23:47	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/13/2023 23:47	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/13/2023 23:47	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/13/2023 23:47	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/13/2023 23:47	WG2022447
(S) Toluene-d8	*102*			*80.0-120*		*03/13/2023 23:47*	WG2022447

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*03/13/2023 23:47*	WG2022447
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*03/13/2023 23:47*	WG2022447

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	8220		102	1000	1	03/14/2023 14:37	WG2022499

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	625		2.91	10.0	1	03/14/2023 13:10	WG2022380
Ethane	U		4.07	13.0	1	03/14/2023 13:10	WG2022380
Ethene	U		4.26	13.0	1	03/14/2023 13:10	WG2022380

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	J4	11.3	50.0	1	03/14/2023 00:08	WG2022447
Benzene	U		0.0941	1.00	1	03/14/2023 00:08	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 00:08	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 00:08	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 00:08	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 00:08	WG2022447
Carbon disulfide	0.110	J	0.0962	1.00	1	03/14/2023 00:08	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 00:08	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 00:08	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 00:08	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 00:08	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 00:08	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 00:08	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 00:08	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 00:08	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 00:08	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 00:08	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 00:08	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 00:08	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 00:08	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/14/2023 00:08	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 00:08	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 00:08	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 00:08	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 00:08	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 00:08	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 00:08	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 00:08	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/14/2023 00:08	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 00:08	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 00:08	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 00:08	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 00:08	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 00:08	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 00:08	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 00:08	WG2022447
Methyl tert-butyl ether	29.7		0.101	1.00	1	03/14/2023 00:08	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 00:08	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 00:08	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 00:08	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 00:08	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 00:08	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 00:08	WG2022447

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 00:08	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 00:08	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 00:08	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 00:08	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 00:08	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 00:08	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/14/2023 00:08	WG2022447
(S) Toluene-d8	*107*			*80.0-120*		*03/14/2023 00:08*	WG2022447
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*03/14/2023 00:08*	WG2022447
(S) 1,2-Dichloroethane-d4	*88.9*			*70.0-130*		*03/14/2023 00:08*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	18.0	J	15.0	50.0	1	03/15/2023 13:11	WG2021533

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	279000		20000	1	03/13/2023 15:13	WG2020686
Free Carbon Dioxide	30500	B T8	20000	1	03/13/2023 15:13	WG2020686

Sample Narrative:

L1593828-04 WG2020686: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	654	T8	15.0	50.0	1	03/12/2023 09:47	WG2021749

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	3400		100	200	4	03/13/2023 10:42	WG2022072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1340000		7580	20000	20	03/15/2023 22:26	WG2023873
Sulfate	235000		11900	100000	20	03/15/2023 22:26	WG2023873

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	38800		102	1000	1	03/14/2023 15:04	WG2022499

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	672		18.0	100	1	03/15/2023 13:11	WG2021533
Manganese	14.4		0.934	10.0	1	03/15/2023 13:11	WG2021533
Sodium	962000		504	3000	1	03/15/2023 13:11	WG2021533

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	3400		2.91	10.0	1	03/14/2023 13:22	WG2022380
Ethane	316		4.07	13.0	1	03/14/2023 13:22	WG2022380
Ethene	U		4.26	13.0	1	03/14/2023 13:22	WG2022380

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/14/2023 00:30	WG2022447
Benzene	3.35		0.0941	1.00	1	03/14/2023 00:30	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 00:30	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 00:30	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 00:30	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 00:30	WG2022447
Carbon disulfide	0.467	J	0.0962	1.00	1	03/14/2023 00:30	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 00:30	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 00:30	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 00:30	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 00:30	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 00:30	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 00:30	WG2022447
Cyclohexane	0.954	J	0.188	1.00	1	03/14/2023 00:30	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 00:30	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 00:30	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 00:30	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 00:30	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 00:30	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 00:30	WG2022447
1,1-Dichloroethane	0.376	C3 J	0.100	1.00	1	03/14/2023 00:30	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 00:30	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 00:30	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 00:30	WG2022447
trans-1,2-Dichloroethene	6.08		0.149	1.00	1	03/14/2023 00:30	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 00:30	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 00:30	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 00:30	WG2022447
Ethylbenzene	5.53		0.137	1.00	1	03/14/2023 00:30	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 00:30	WG2022447
Isopropylbenzene	1.07		0.105	1.00	1	03/14/2023 00:30	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 00:30	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 00:30	WG2022447
Methyl Cyclohexane	1.35		0.660	1.00	1	03/14/2023 00:30	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 00:30	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 00:30	WG2022447
Methyl tert-butyl ether	106		0.101	1.00	1	03/14/2023 00:30	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 00:30	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 00:30	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 00:30	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 00:30	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 00:30	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 00:30	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 00:30	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 00:30	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 00:30	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 00:30	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 00:30	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 00:30	WG2022447
Xylenes, Total	0.436	J	0.174	3.00	1	03/14/2023 00:30	WG2022447
(S) Toluene-d8	*103*			*80.0-120*		*03/14/2023 00:30*	WG2022447
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/14/2023 00:30*	WG2022447
(S) 1,2-Dichloroethane-d4	*91.7*			*70.0-130*		*03/14/2023 00:30*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U		15.0	50.0	1	03/15/2023 13:14	WG2021533

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	U		20000	1	03/15/2023 11:37	WG2022538
Free Carbon Dioxide	ND	T8	20000	1	03/15/2023 11:37	WG2022538

Sample Narrative:

L1593828-05 WG2022538: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	U	T8	15.0	50.0	1	03/12/2023 09:48	WG2021749

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	03/14/2023 20:38	WG2021614

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	03/13/2023 10:43	WG2022072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	U		379	1000	1	03/15/2023 23:07	WG2023873
Sulfate	U		594	5000	1	03/15/2023 23:07	WG2023873

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	442	B J	102	1000	1	03/14/2023 15:20	WG2022499

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	U		18.0	100	1	03/15/2023 13:14	WG2021533
Manganese	U		0.934	10.0	1	03/15/2023 13:14	WG2021533
Sodium	1060	B J	504	3000	1	03/15/2023 13:14	WG2021533

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		2.91	10.0	1	03/14/2023 13:39	WG2022380
Ethane	U		4.07	13.0	1	03/14/2023 13:39	WG2022380
Ethene	U		4.26	13.0	1	03/14/2023 13:39	WG2022380

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/13/2023 23:03	WG2022447
Benzene	U		0.0941	1.00	1	03/13/2023 23:03	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/13/2023 23:03	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/13/2023 23:03	WG2022447
Bromoform	U		0.129	1.00	1	03/13/2023 23:03	WG2022447
Bromomethane	U		0.605	5.00	1	03/13/2023 23:03	WG2022447
Carbon disulfide	U		0.0962	1.00	1	03/13/2023 23:03	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/13/2023 23:03	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/13/2023 23:03	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/13/2023 23:03	WG2022447
Chloroethane	U		0.192	5.00	1	03/13/2023 23:03	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/13/2023 23:03	WG2022447
Chloromethane	U		0.960	2.50	1	03/13/2023 23:03	WG2022447
Cyclohexane	U		0.188	1.00	1	03/13/2023 23:03	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/13/2023 23:03	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/13/2023 23:03	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/13/2023 23:03	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/13/2023 23:03	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/13/2023 23:03	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/13/2023 23:03	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/13/2023 23:03	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/13/2023 23:03	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/13/2023 23:03	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/13/2023 23:03	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/13/2023 23:03	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/13/2023 23:03	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/13/2023 23:03	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/13/2023 23:03	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/13/2023 23:03	WG2022447
2-Hexanone	U		0.787	10.0	1	03/13/2023 23:03	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/13/2023 23:03	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/13/2023 23:03	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/13/2023 23:03	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/13/2023 23:03	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/13/2023 23:03	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/13/2023 23:03	WG2022447
Methyl tert-butyl ether	U		0.101	1.00	1	03/13/2023 23:03	WG2022447
Styrene	U		0.118	1.00	1	03/13/2023 23:03	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/13/2023 23:03	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/13/2023 23:03	WG2022447
Toluene	U		0.278	1.00	1	03/13/2023 23:03	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/13/2023 23:03	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/13/2023 23:03	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/13/2023 23:03	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/13/2023 23:03	WG2022447
Trichloroethene	U		0.190	1.00	1	03/13/2023 23:03	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/13/2023 23:03	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/13/2023 23:03	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/13/2023 23:03	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/13/2023 23:03	WG2022447
(S) Toluene-d8	*104*			*80.0-120*		*03/13/2023 23:03*	WG2022447
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*03/13/2023 23:03*	WG2022447
(S) 1,2-Dichloroethane-d4	*91.6*			*70.0-130*		*03/13/2023 23:03*	WG2022447

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/13/2023 22:41	WG2022447
Benzene	U		0.0941	1.00	1	03/13/2023 22:41	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/13/2023 22:41	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/13/2023 22:41	WG2022447
Bromoform	U		0.129	1.00	1	03/13/2023 22:41	WG2022447
Bromomethane	U		0.605	5.00	1	03/13/2023 22:41	WG2022447
Carbon disulfide	U		0.0962	1.00	1	03/13/2023 22:41	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/13/2023 22:41	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/13/2023 22:41	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/13/2023 22:41	WG2022447
Chloroethane	U		0.192	5.00	1	03/13/2023 22:41	WG2022447
Chloroform	0.178	C3 J	0.111	5.00	1	03/13/2023 22:41	WG2022447
Chloromethane	U		0.960	2.50	1	03/13/2023 22:41	WG2022447
Cyclohexane	U		0.188	1.00	1	03/13/2023 22:41	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/13/2023 22:41	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/13/2023 22:41	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/13/2023 22:41	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/13/2023 22:41	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/13/2023 22:41	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/13/2023 22:41	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/13/2023 22:41	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/13/2023 22:41	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/13/2023 22:41	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/13/2023 22:41	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/13/2023 22:41	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/13/2023 22:41	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/13/2023 22:41	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/13/2023 22:41	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/13/2023 22:41	WG2022447
2-Hexanone	U		0.787	10.0	1	03/13/2023 22:41	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/13/2023 22:41	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/13/2023 22:41	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/13/2023 22:41	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/13/2023 22:41	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/13/2023 22:41	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/13/2023 22:41	WG2022447
Methyl tert-butyl ether	U		0.101	1.00	1	03/13/2023 22:41	WG2022447
Styrene	U		0.118	1.00	1	03/13/2023 22:41	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/13/2023 22:41	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/13/2023 22:41	WG2022447
Toluene	U		0.278	1.00	1	03/13/2023 22:41	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/13/2023 22:41	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/13/2023 22:41	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/13/2023 22:41	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/13/2023 22:41	WG2022447
Trichloroethene	U		0.190	1.00	1	03/13/2023 22:41	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/13/2023 22:41	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/13/2023 22:41	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/13/2023 22:41	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/13/2023 22:41	WG2022447
(S) Toluene-d8	*101*			*80.0-120*		*03/13/2023 22:41*	WG2022447
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/13/2023 22:41*	WG2022447
(S) 1,2-Dichloroethane-d4	*92.2*			*70.0-130*		*03/13/2023 22:41*	WG2022447

Method Blank (MB)

(MB) R3900615-1 03/13/23 14:07

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) R3900615-2 03/13/23 14:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Free Carbon Dioxide	18200	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1593262-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1593262-02 03/13/23 14:56 • (DUP) R3900615-4 03/13/23 15:00

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	1350000	1350000	1	0.669		20

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

L1593262-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1593262-02 03/13/23 14:56 • (DUP) R3900615-5 03/13/23 15:00

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	170000	164000	1	3.53		20

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

L1593587-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1593587-02 03/13/23 15:09 • (DUP) R3900615-6 03/13/23 15:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	2380000	2400000	1	0.936		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1593587-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1593587-02 03/13/23 15:09 • (DUP) R3900615-7 03/13/23 15:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	211000	230000	1	8.80		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3900615-3 03/13/23 14:33

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

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3901414-2 03/15/23 10:29

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) R3901414-3 03/15/23 10:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Free Carbon Dioxide	12500	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1593828-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1593828-01 03/15/23 11:19 • (DUP) R3901414-4 03/15/23 11:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	609000	602000	1	1.18		20

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

L1593828-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1593828-01 03/15/23 11:19 • (DUP) R3901414-5 03/15/23 11:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	116000	108000	1	7.45		20

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

L1594295-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1594295-01 03/15/23 12:34 • (DUP) R3901414-6 03/15/23 12:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	226000	226000	1	0.0470		20

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

L1594295-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1594295-01 03/15/23 12:34 • (DUP) R3901414-7 03/15/23 12:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	23900	23400	1	2.01		20

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

Laboratory Control Sample (LCS)

(LCS) R3901414-1 03/15/23 10:15

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

Sample Narrative:
LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3900054-1 03/12/23 08:55

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

L1592652-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1592652-01 03/12/23 08:56 • (DUP) R3900054-3 03/12/23 08:58

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ferrous Iron	28.0	28.0	1	0.000	J	20

L1594148-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-07 03/12/23 09:53 • (DUP) R3900054-6 03/12/23 09:53

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ferrous Iron	677	695	1	2.62		20

Laboratory Control Sample (LCS)

(LCS) R3900054-2 03/12/23 08:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ferrous Iron	1000	918	91.8	85.0-115	

L1593828-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1593828-02 03/12/23 09:47 • (MS) R3900054-4 03/12/23 09:47 • (MSD) R3900054-5 03/12/23 09:47

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 %
Ferrous Iron	1000	448	1460	1450	101	101	1	80.0-120			0.480	20

Method Blank (MB)

(MB) R3901038-1 03/14/23 20:19

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

L1593292-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1593292-01 03/14/23 20:22 • (DUP) R3901038-3 03/14/23 20:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	1430	1420	1	0.702		20

L1593831-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1593831-03 03/14/23 20:42 • (DUP) R3901038-6 03/14/23 20:44

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	2420	2440	1	0.823		20

Laboratory Control Sample (LCS)

(LCS) R3901038-2 03/14/23 20:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2500	2540	102	90.0-110	

L1593292-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1593292-01 03/14/23 20:22 • (MS) R3901038-4 03/14/23 20:24 • (MSD) R3901038-5 03/14/23 20:26

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 %
Nitrate-Nitrite	2500	1430	3920	3880	99.6	98.0	1	90.0-110			1.03	20

L1593831-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1593831-03 03/14/23 20:42 • (MS) R3901038-7 03/14/23 20:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2500	2420	4870	98.0	1	90.0-110	

Method Blank (MB)

(MB) R3900335-1 03/13/23 10:12

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

L1593794-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1593794-01 03/13/23 10:12 • (DUP) R3900335-3 03/13/23 10:12

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

L1594148-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-07 03/13/23 10:46 • (DUP) R3900335-6 03/13/23 11:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Sulfide	14000	13800	25	1.29		20

Laboratory Control Sample (LCS)

(LCS) R3900335-2 03/13/23 10:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Sulfide	500	476	95.2	85.0-115	

L1594037-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594037-01 03/13/23 10:44 • (MS) R3900335-4 03/13/23 10:44 • (MSD) R3900335-5 03/13/23 10:44

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	500	U	332	351	66.4	70.2	1	80.0-120	J6	J6	5.56	20

Sample Narrative:

MS: Spike failed due to matrix interference

MSD: Spike failed due to matrix interference

Method Blank (MB)

(MB) R3901835-1 03/15/23 16:39

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

L1593917-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1593917-01 03/15/23 18:23 • (DUP) R3901835-3 03/15/23 18:50

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	134000	134000	5	0.478		15
Sulfate	38800	38700	5	0.206		15

L1594717-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1594717-05 03/16/23 03:06 • (DUP) R3901835-8 03/16/23 03:19

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	134000	134000	1	0.00890		15
Sulfate	39500	39500	1	0.0362		15

Laboratory Control Sample (LCS)

(LCS) R3901835-2 03/15/23 16:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39800	99.4	80.0-120	
Sulfate	40000	39900	99.8	80.0-120	

L1593917-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1593917-01 03/15/23 18:23 • (MS) R3901835-6 03/15/23 19:17 • (MSD) R3901835-7 03/15/23 19:31

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	50000	134000	475000	475000	682	682	5	80.0-120	J5	J5	0.0606	15
Sulfate	50000	38800	894000	894000	1710	1710	5	80.0-120	J5	J5	0.0298	15

L1594717-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1594717-05 03/16/23 03:06 • (MS) R3901835-9 03/16/23 03:31

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	134000	177000	85.9	1	80.0-120	
Sulfate	50000	39500	86700	94.5	1	80.0-120	

Method Blank (MB)

(MB) R3901042-2 03/14/23 10:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	652	J	102	1000

L1593828-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1593828-05 03/14/23 15:20 • (DUP) R3901042-6 03/14/23 15:36

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	442	394	1	11.5	J	20

Laboratory Control Sample (LCS)

(LCS) R3901042-1 03/14/23 10:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	75000	71800	95.8	85.0-115	

L1593917-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1593917-01 03/14/23 15:52 • (MS) R3901042-7 03/14/23 16:14 • (MSD) R3901042-8 03/14/23 16:36

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 %
TOC	50000	563	48100	48100	95.0	95.0	1	80.0-120			0.000	20

Method Blank (MB)

(MB) R3901405-1 03/15/23 12:05

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	1380	J	504	3000

Laboratory Control Sample (LCS)

(LCS) R3901405-2 03/15/23 12:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	10200	102	80.0-120	
Manganese	1000	964	96.4	80.0-120	
Sodium	10000	11100	111	80.0-120	

L1593827-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1593827-01 03/15/23 12:10 • (MS) R3901405-3 03/15/23 12:16 • (MSD) R3901405-4 03/15/23 12:19

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	182000	189000	193000	68.7	102	1	75.0-125	V		1.73	20
Manganese	1000	7620	8390	8280	76.9	65.8	1	75.0-125		V	1.33	20
Sodium	10000	80800	88000	87700	72.3	69.3	1	75.0-125	V	V	0.335	20

Method Blank (MB)

(MB) R3900890-2 03/14/23 10:58

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

L1593566-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1593566-01 03/14/23 11:05 • (DUP) R3900890-3 03/14/23 12:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	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

L1593828-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1593828-05 03/14/23 13:39 • (DUP) R3900890-4 03/14/23 14:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	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) R3900890-1 03/14/23 10:45 • (LCSD) R3900890-5 03/14/23 14:30

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	71.1	72.5	105	107	85.0-115			1.95	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

Method Blank (MB)

(MB) R3901326-2 03/13/23 22:01

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

Method Blank (MB)

(MB) R3901326-2 03/13/23 22:01

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	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3901326-1 03/13/23 20:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	42.3	169	19.0-160	J4
Benzene	5.00	4.35	87.0	70.0-123	
Bromochloromethane	5.00	4.24	84.8	76.0-122	
Bromodichloromethane	5.00	4.02	80.4	75.0-120	
Bromoform	5.00	4.23	84.6	68.0-132	
Bromomethane	5.00	4.43	88.6	10.0-160	
Carbon disulfide	5.00	4.19	83.8	61.0-128	
Carbon tetrachloride	5.00	4.35	87.0	68.0-126	
Chlorobenzene	5.00	4.69	93.8	80.0-121	
Chlorodibromomethane	5.00	4.01	80.2	77.0-125	
Chloroethane	5.00	5.10	102	47.0-150	
Chloroform	5.00	3.99	79.8	73.0-120	
Chloromethane	5.00	5.06	101	41.0-142	
Cyclohexane	5.00	5.09	102	71.0-124	
1,2-Dibromo-3-Chloropropane	5.00	3.92	78.4	58.0-134	
1,2-Dibromoethane	5.00	4.72	94.4	80.0-122	
1,2-Dichlorobenzene	5.00	5.29	106	79.0-121	
1,3-Dichlorobenzene	5.00	4.99	99.8	79.0-120	
1,4-Dichlorobenzene	5.00	5.22	104	79.0-120	
Dichlorodifluoromethane	5.00	5.05	101	51.0-149	

Laboratory Control Sample (LCS)

(LCS) R3901326-1 03/13/23 20:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1-Dichloroethane	5.00	3.99	79.8	70.0-126	
1,2-Dichloroethane	5.00	4.02	80.4	70.0-128	
1,1-Dichloroethene	5.00	4.61	92.2	71.0-124	
cis-1,2-Dichloroethene	5.00	4.25	85.0	73.0-120	
trans-1,2-Dichloroethene	5.00	4.24	84.8	73.0-120	
1,2-Dichloropropane	5.00	4.63	92.6	77.0-125	
cis-1,3-Dichloropropene	5.00	4.20	84.0	80.0-123	
trans-1,3-Dichloropropene	5.00	4.14	82.8	78.0-124	
Ethylbenzene	5.00	5.21	104	79.0-123	
2-Hexanone	25.0	31.2	125	67.0-149	
Isopropylbenzene	5.00	5.26	105	76.0-127	
2-Butanone (MEK)	25.0	25.9	104	44.0-160	
Methyl Acetate	25.0	25.4	102	57.0-148	
Methyl Cyclohexane	5.00	5.32	106	68.0-126	
Methylene Chloride	5.00	4.46	89.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	28.2	113	68.0-142	
Methyl tert-butyl ether	5.00	4.39	87.8	68.0-125	
Styrene	5.00	4.86	97.2	73.0-130	
1,1,2,2-Tetrachloroethane	5.00	4.88	97.6	65.0-130	
Tetrachloroethene	5.00	4.89	97.8	72.0-132	
Toluene	5.00	4.49	89.8	79.0-120	
1,2,3-Trichlorobenzene	5.00	6.19	124	50.0-138	
1,2,4-Trichlorobenzene	5.00	5.72	114	57.0-137	
1,1,1-Trichloroethane	5.00	4.14	82.8	73.0-124	
1,1,2-Trichloroethane	5.00	4.81	96.2	80.0-120	
Trichloroethene	5.00	4.03	80.6	78.0-124	
Trichlorofluoromethane	5.00	5.15	103	59.0-147	
1,1,2-Trichlorotrifluoroethane	5.00	5.03	101	69.0-132	
Vinyl chloride	5.00	5.43	109	67.0-131	
Xylenes, Total	15.0	14.9	99.3	79.0-123	
(S) Toluene-d8			*104*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*93.3*	*70.0-130*	

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.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.
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	LAO000356
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

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:

Client Project # **30062947.19.45**

Lab Project # **CHEVARCNY-6518040**

Collected by (print): **A. Bell, L. Wright**

Site/Facility ID # **6518040**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK,Cl,CO2,SULFATE 250mlHDPE-NoPres	FEICP,MNICP,NAICP 250mlHDPE-HNO3	FERUSFE,FERICFE 250mlAmb-HCl	NO2NO3 250mlHDPE-H2SO4	RSK175 40mlAmb HCl	SULFIDE 250mlAmb-S-NaOH+ZnAc	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	V8260TCLC-TripBlank 40mlAmb-HCl-Blk			
								[2]	[1]	[2]			[2]					
MW-27-D2-W-		GW				11	X	X	X	X	X	X	X	X				
MW-28-D2R-W-		GW				11	X	X	X	X	X	X	X	X				
MW-24-D2-W-		GW				11	X	X	X	X	X	X	X	X				
MW-24-VDR-W-		GW				11	X	X	X	X	X	X	X	X				
AMW-15-VD-W-		GW				11	X	X	X	X	X	X	X	X				
AMW-7R-W-		GW				11	X	X	X	X	X	X	X	X				
AMW-14-VD-W- 230309	G	GW		03/09/23	0035	11	X	X	X	X	X	X	X	X				-01
AMW-14-D2-W- 230309	G	GW		03/09/23	0120	11	X	X	X	X	X	X	X	X				-02
MW-28-D1-W-		GW				11	X	X	X	X	X	X	X	X				
MW-26-D2-W-		GW				11	X	X	X	X	X	X	X	X				

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

Pace — PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1593828

G188

Acctnum: **CHEVARCNY**
Template: **T182105**
Prelogin: **P985069**
PM: **526 - Chris McCord**
PB:
Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

* 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 # 6094 5480 2260

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:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	03/09/23	1800		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.4 °C Bottles Received: 49	
				3.4 IR = 3.4	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 03-11-23 Time: 0900	Hold: Condition: NCF / OK
			TAWA MWECHIWA		

Company Name/Address: **Arcadis - Chevron - NY**

Billing Information: **Attn: Accounts Payable, 630 Plaza Drive, Suite 600, Highlands Ranch, CO 80129**

Pres Chk

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:

Client Project # **30062947.19.45**

Lab Project # **CHEVARCNY-6518040**

Collected by (print): **A.Bell, L.Wright**

Site/Facility ID # **6518040**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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**

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

Pace — PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1573828

Table #

Acctnum: **CHEVARCNY**
Template: **T182105**
Prelogin: **P985069**
PM: **526 - Chris McCord**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK,Cl,CO2,SULFATE 250mlHDPE-NoPres	FEICP,MNICP,NAICP 250mlHDPE-HNO3	FERUSFE,FERICFE 250mlAmb-HCl	NO2NO3 250mlHDPE-H2SO4	RSK175 40mlAmb HCl	SULFIDE 250mlAmb-S-NaOH+ZnAc	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	V8260TCLC-TripBlank 40mlAmb-HCl-Blk		Remarks	Sample # (lab only)
MW-23-D2R-W-230309	G	GW		03/09/23	0150	11	X	X	X	X	X	X	X	X				-03
AMW-15-D2-W-		GW				11	X	X	X	X	X	X	X	X				
AMW-15-D3-W-		GW				11	X	X	X	X	X	X	X	X				
MW-23-D1R-W-		GW				11	X	X	X	X	X	X	X	X				
AMW-15-D1-W-		GW				11	X	X	X	X	X	X	X	X				
MW-27-D1R-W-		GW				11	X	X	X	X	X	X	X	X				
MW-26-D1-W-		GW				11	X	X	X	X	X	X	X	X				
MW-29-D1-W-		GW				11	X	X	X	X	X	X	X	X				
AMW-14-D1-W-230309	G	GW		03/09/23	0030	11	X	X	X	X	X	X	X	X				-04
MW-24-D1R-W-		GW				11	X	X	X	X	X	X	X	X				

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 6094 5480 2260

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:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No, HCl / MeoH, TBR	
	03/09/23	1800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.4/2-3.4 °C	Bottles Received: 49
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 03-10-23	Time: 1000

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Arcadis - Chevron - NY

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Report to:
Max Mansilla

Email To:
maxwell.mansilla@arcadis.com;alex.newbrough

Project Description:
POD 4 - Oceanside 6518040

City/State Collected: Oceanside, NY

Please Circle: PT MT CT (ET)

Phone:

Client Project #
30062947.19.45

Lab Project #
CHEVARCNY-6518040

Collected by (print): A.Bell, L.Wright

Site/Facility ID #
6518040

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

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

SDG # L1593828

Table #

Acctnum: **CHEVARCNY**
Template: **T182105**
Prelogin: **P985069**
PM: **526 - Chris McCord**
PB:
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK,Cl,CO2,SULFATE 250mlHDPE-NoPres	FEICP,MNICP,NAICP 250mlHDPE-HNO3	FERUSFE,FERICFE 250mlAmb-HCl	NO2NO3 250mlHDPE-H2SO4	RSK175 40mlAmb HCl	SULFIDE 250mlAmb-S-NaOH+ZnAc	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	V8260TCLC-TripBlank 40mlAmb-HCl-Blk		Remarks	Sample # (lab only)
MW-18R-W-		GW				11	X	X	X	X	X	X	X	X				
BD-W-		GW				11	X	X	X	X	X	X	X	X				
FB-W-230309	G	GW		03/09/23	~~14~~ 0230 (AB)	11	X	X	X	X	X	X	X	X				-05
FB-W-		GW				11	X	X	X	X	X	X	X	X				
FB-W-		GW				11	X	X	X	X	X	X	X	X				
		GW				11	X	X	X	X	X	X	X	X				
		GW				11	X	X	X	X	X	X	X	X				
		GW				11	X	X	X	X	X	X	X	X				
		GW				11	X	X	X	X	X	X	X	X				
TB-W-230309	G	GW		03/09/23	–	1									X			-06
TB-W-		GW				1									X			

* 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 # 6094 5480 2260

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:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No (HCl) / MeOH TBR
[signature]	03/09/23	1840		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.4+0=3.4 °C Bottles Received: 49
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Hannah Minechina	Date: 03.10.23 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

3/10-NCF-L1593828 CHEVARCNY TD

R5

Time estimate: oh **Time spent:** oh

Members

Troy Dunlap (responsible) Christopher McCord

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [x] Date/Time: 3/11/23 16:35
- [x] PM initials: CM
- [ ] Client Contact:_____

Comments

Troy Dunlap *10 March 2023 5:43 PM*

1.) For MW-23-D2RW the NO2NO3, Wetchem, Metals, FERUSFE and SULFIDE container was receive empty.
2.) For AMW-14-DI-W the NO2NO3 container was received empty.

Christopher McCord *11 March 2023 4:35 PM*

Client notified.

Troy Dunlap *13 March 2023 9:07 AM*

Done.

ANALYTICAL REPORT

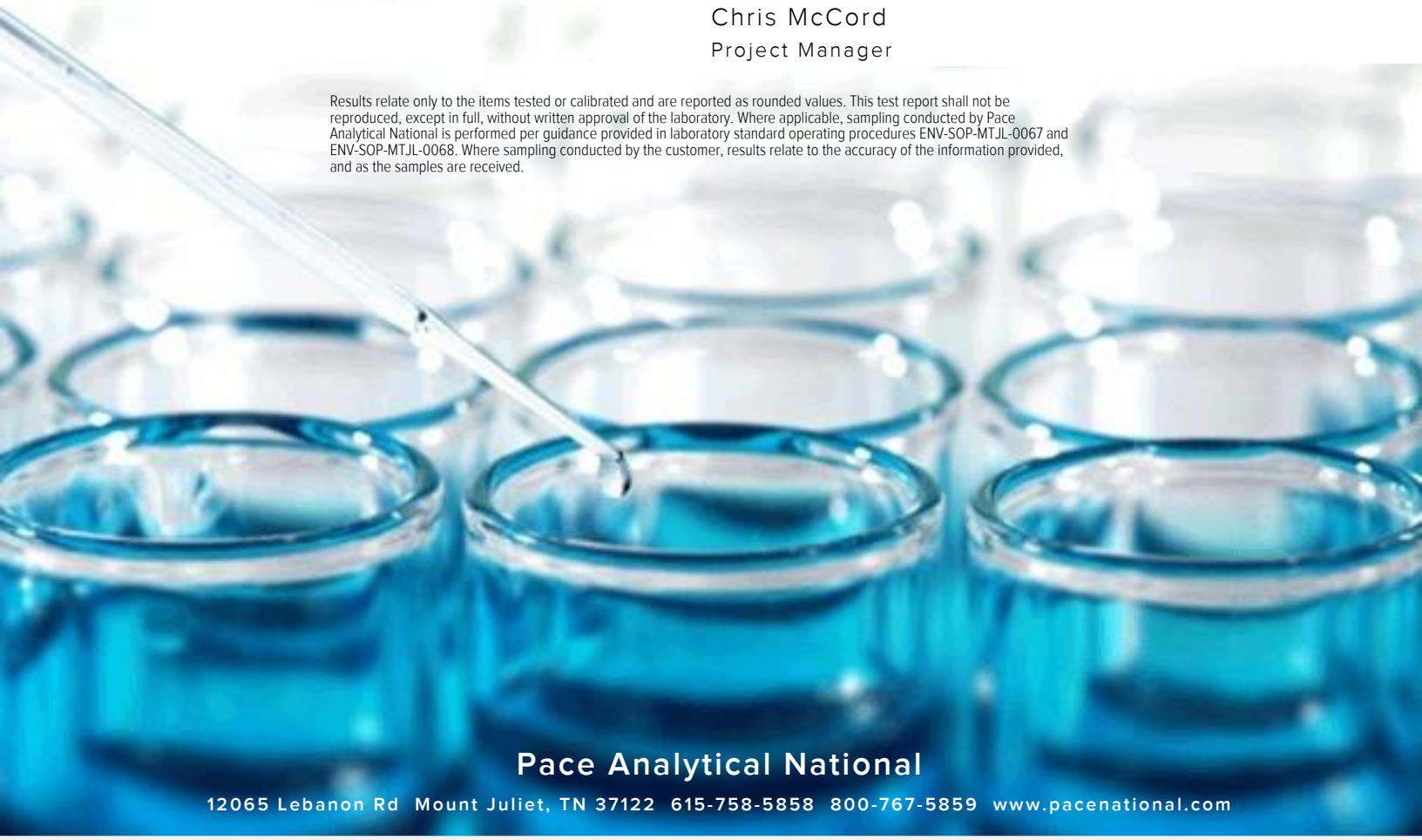
March 20, 2023

Arcadis - Chevron - NY

Sample Delivery Group:	L1594148
Samples Received:	03/11/2023
Project Number:	30062947.19.45
Description:	POD 4 - Oceanside 6518040
Site:	6518040
Report To:	Max Mansilla

Entire Report Reviewed By:

Chris McCord
Project Manager



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

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MW-29-D1-W-230310 L1594148-14 47

MW-24-D1R-W-230310 L1594148-15 49

MW-18R-W-230309 L1594148-16 52

BD-W-230310 L1594148-17 54

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MW-27-D2-W-230309 L1594148-01 GW

Collected by: AB, LW | Collected date/time: 03/09/23 21:20 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021983	1	03/16/23 15:10	03/16/23 15:10	ABL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022539	1	03/15/23 13:08	03/15/23 13:08	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022539	1	03/15/23 13:08	03/15/23 13:08	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021749	2	03/12/23 09:49	03/12/23 09:49	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021619	1	03/15/23 00:16	03/15/23 00:16	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022072	1	03/13/23 10:45	03/13/23 10:45	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 14:03	03/17/23 14:03	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022064	1	03/14/23 09:21	03/14/23 09:21	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021983	1	03/13/23 20:50	03/16/23 15:10	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021983	5	03/13/23 20:50	03/17/23 09:10	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023444	1	03/15/23 11:25	03/15/23 11:25	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 00:51	03/14/23 00:51	GH	Mt. Juliet, TN

MW-28-D2R-W-230309 L1594148-02 GW

Collected by: AB, LW | Collected date/time: 03/09/23 22:55 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021983	1	03/16/23 15:13	03/16/23 15:13	ABL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022539	1	03/15/23 13:12	03/15/23 13:12	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022539	1	03/15/23 13:12	03/15/23 13:12	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021749	1	03/12/23 09:50	03/12/23 09:50	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021619	5	03/15/23 00:21	03/15/23 00:21	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022072	1	03/13/23 10:45	03/13/23 10:45	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	10	03/17/23 14:16	03/17/23 14:16	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 14:30	03/17/23 14:30	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022064	2	03/14/23 09:45	03/14/23 09:45	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021983	1	03/13/23 20:50	03/16/23 15:13	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021983	5	03/13/23 20:50	03/17/23 09:13	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023444	1	03/15/23 11:31	03/15/23 11:31	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 01:13	03/14/23 01:13	GH	Mt. Juliet, TN

MW-24-D2-W-230310 L1594148-03 GW

Collected by: AB, LW | Collected date/time: 03/10/23 02:00 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 10:13	03/16/23 10:13	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022539	1	03/15/23 13:17	03/15/23 13:17	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022539	1	03/15/23 13:17	03/15/23 13:17	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021749	1	03/12/23 09:50	03/12/23 09:50	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021619	5	03/15/23 00:22	03/15/23 00:22	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022072	1	03/13/23 10:45	03/13/23 10:45	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	10	03/17/23 15:11	03/17/23 15:11	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 15:25	03/17/23 15:25	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022064	5	03/14/23 10:07	03/14/23 10:07	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 10:13	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	5	03/13/23 14:16	03/16/23 16:21	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023444	1	03/15/23 11:36	03/15/23 11:36	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 01:35	03/14/23 01:35	GH	Mt. Juliet, TN

MW-24-VDR-W-230310 L1594148-04 GW

Collected by	Collected date/time	Received date/time
AB, LW	03/10/23 02:55	03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 10:24	03/16/23 10:24	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022539	1	03/15/23 13:20	03/15/23 13:20	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022539	1	03/15/23 13:20	03/15/23 13:20	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021749	2	03/12/23 09:51	03/12/23 09:51	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021619	1	03/15/23 00:23	03/15/23 00:23	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022072	1	03/13/23 10:46	03/13/23 10:46	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	10	03/17/23 15:38	03/17/23 15:38	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 15:52	03/17/23 15:52	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022064	1	03/14/23 10:33	03/14/23 10:33	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 10:24	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 13:52	03/15/23 13:52	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 01:56	03/14/23 01:56	GH	Mt. Juliet, TN

AMW-15-VD-W-230310 L1594148-05 GW

Collected by	Collected date/time	Received date/time
AB, LW	03/10/23 00:00	03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 10:27	03/16/23 10:27	ABL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022538	1	03/15/23 12:04	03/15/23 12:04	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022538	1	03/15/23 12:04	03/15/23 12:04	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021749	2	03/12/23 09:51	03/12/23 09:51	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021619	1	03/15/23 00:25	03/15/23 00:25	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022072	1	03/13/23 10:46	03/13/23 10:46	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 16:06	03/17/23 16:06	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022064	1	03/14/23 10:55	03/14/23 10:55	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 10:27	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	20	03/13/23 14:16	03/17/23 09:02	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 13:55	03/15/23 13:55	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 02:18	03/14/23 02:18	GH	Mt. Juliet, TN

AMW-7R-W-230310 L1594148-06 GW

Collected by	Collected date/time	Received date/time
AB, LW	03/10/23 03:50	03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 10:30	03/16/23 10:30	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022538	1	03/15/23 12:09	03/15/23 12:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022538	1	03/15/23 12:09	03/15/23 12:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021749	10	03/12/23 09:52	03/12/23 09:52	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021619	5	03/15/23 00:26	03/15/23 00:26	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022072	1	03/13/23 10:46	03/13/23 10:46	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	1	03/17/23 13:08	03/17/23 13:08	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022499	1	03/14/23 18:47	03/14/23 18:47	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 10:30	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 13:58	03/15/23 13:58	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2024343	10	03/16/23 11:40	03/16/23 11:40	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2023824	1	03/16/23 01:12	03/16/23 01:12	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2024331	1	03/16/23 19:14	03/16/23 19:14	ACG	Mt. Juliet, TN

MW-28-D1-W-230309 L1594148-07 GW

Collected by: AB, LW | Collected date/time: 03/09/23 22:30 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 10:33	03/16/23 10:33	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022538	1	03/15/23 12:13	03/15/23 12:13	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022538	1	03/15/23 12:13	03/15/23 12:13	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021749	1	03/12/23 09:53	03/12/23 09:53	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021619	5	03/15/23 00:27	03/15/23 00:27	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022072	25	03/13/23 10:46	03/13/23 10:46	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	10	03/17/23 16:20	03/17/23 16:20	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 16:33	03/17/23 16:33	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022499	1	03/14/23 19:12	03/14/23 19:12	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 10:33	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	5	03/13/23 14:16	03/17/23 14:01	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 14:07	03/15/23 14:07	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 02:40	03/14/23 02:40	GH	Mt. Juliet, TN

AMW-15-D2-W-230310 L1594148-08 GW

Collected by: AB, LW | Collected date/time: 03/10/23 00:45 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 10:41	03/16/23 10:41	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022538	1	03/15/23 12:29	03/15/23 12:29	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022538	1	03/15/23 12:29	03/15/23 12:29	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021750	1	03/12/23 11:14	03/12/23 11:14	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021619	5	03/15/23 00:29	03/15/23 00:29	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022074	1	03/13/23 12:19	03/13/23 12:19	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	10	03/17/23 16:47	03/17/23 16:47	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 17:01	03/17/23 17:01	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022499	1	03/14/23 19:35	03/14/23 19:35	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 10:41	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	5	03/13/23 14:16	03/16/23 16:35	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 14:09	03/15/23 14:09	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 03:01	03/14/23 03:01	GH	Mt. Juliet, TN

AMW-15-D3-W-230309 L1594148-09 GW

Collected by: AB, LW | Collected date/time: 03/09/23 23:50 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 10:44	03/16/23 10:44	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022541	1	03/14/23 11:40	03/14/23 11:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022541	1	03/14/23 11:40	03/14/23 11:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021750	2	03/12/23 11:23	03/12/23 11:23	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021619	5	03/15/23 00:30	03/15/23 00:30	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022074	1	03/13/23 12:19	03/13/23 12:19	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	10	03/17/23 17:14	03/17/23 17:14	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 17:56	03/17/23 17:56	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022499	1	03/14/23 19:57	03/14/23 19:57	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 10:44	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	5	03/13/23 14:16	03/16/23 16:38	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 14:12	03/15/23 14:12	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 03:23	03/14/23 03:23	GH	Mt. Juliet, TN

MW-23-D1R-W-230309 L1594148-10 GW

Collected by: AB, LW | Collected date/time: 03/09/23 22:05 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 10:46	03/16/23 10:46	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022541	1	03/14/23 11:59	03/14/23 11:59	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022541	1	03/14/23 11:59	03/14/23 11:59	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021750	1	03/12/23 11:24	03/12/23 11:24	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021619	10	03/15/23 00:31	03/15/23 00:31	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022074	1	03/13/23 12:20	03/13/23 12:20	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	10	03/17/23 18:09	03/17/23 18:09	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 18:23	03/17/23 18:23	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022499	1	03/14/23 20:19	03/14/23 20:19	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 10:46	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	5	03/13/23 14:16	03/16/23 16:40	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 14:14	03/15/23 14:14	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 03:45	03/14/23 03:45	GH	Mt. Juliet, TN

AMW-15-D1-W-230310 L1594148-11 GW

Collected by: AB, LW | Collected date/time: 03/10/23 01:00 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 10:49	03/16/23 10:49	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022541	1	03/14/23 12:04	03/14/23 12:04	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022541	1	03/14/23 12:04	03/14/23 12:04	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021750	1	03/12/23 11:25	03/12/23 11:25	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021714	10	03/15/23 18:33	03/15/23 18:33	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022074	20	03/13/23 12:50	03/13/23 12:50	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	10	03/17/23 18:37	03/17/23 18:37	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 18:50	03/17/23 18:50	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022500	1	03/16/23 00:02	03/16/23 00:02	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 10:49	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	5	03/13/23 14:16	03/16/23 16:43	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 14:17	03/15/23 14:17	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 04:06	03/14/23 04:06	GH	Mt. Juliet, TN

MW-27-D1R-W-230309 L1594148-12 GW

Collected by: AB, LW | Collected date/time: 03/09/23 21:30 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 10:52	03/16/23 10:52	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022541	1	03/14/23 12:09	03/14/23 12:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022541	1	03/14/23 12:09	03/14/23 12:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021750	1	03/12/23 11:25	03/12/23 11:25	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021619	10	03/15/23 00:32	03/15/23 00:32	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022074	20	03/13/23 12:51	03/13/23 12:51	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	10	03/17/23 19:04	03/17/23 19:04	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 19:18	03/17/23 19:18	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022500	1	03/16/23 00:20	03/16/23 00:20	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 10:52	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	5	03/13/23 14:16	03/16/23 16:46	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 14:19	03/15/23 14:19	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 04:28	03/14/23 04:28	GH	Mt. Juliet, TN

MW-26-D1-W-230310 L1594148-13 GW

Collected by: AB, LW | Collected date/time: 03/10/23 03:10 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 10:55	03/16/23 10:55	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022541	1	03/14/23 12:14	03/14/23 12:14	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022541	1	03/14/23 12:14	03/14/23 12:14	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021750	1	03/12/23 11:26	03/12/23 11:26	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021714	1	03/15/23 18:34	03/15/23 18:34	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022074	1	03/13/23 12:51	03/13/23 12:51	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	1	03/17/23 19:31	03/17/23 19:31	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2026147	100	03/19/23 17:21	03/19/23 17:21	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022500	1	03/16/23 00:47	03/16/23 00:47	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 10:55	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	5	03/13/23 14:16	03/16/23 16:54	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 14:31	03/15/23 14:31	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 04:50	03/14/23 04:50	GH	Mt. Juliet, TN

MW-29-D1-W-230310 L1594148-14 GW

Collected by: AB, LW | Collected date/time: 03/10/23 04:15 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 10:57	03/16/23 10:57	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022542	1	03/14/23 11:41	03/14/23 11:41	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022542	1	03/14/23 11:41	03/14/23 11:41	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021750	20	03/12/23 11:33	03/12/23 11:33	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021714	1	03/15/23 18:35	03/15/23 18:35	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022074	1	03/13/23 12:53	03/13/23 12:53	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	5	03/17/23 19:59	03/17/23 19:59	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022500	1	03/16/23 01:32	03/16/23 01:32	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 10:57	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 14:36	03/15/23 14:36	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2022447	1	03/14/23 05:12	03/14/23 05:12	GH	Mt. Juliet, TN

MW-24-D1R-W-230310 L1594148-15 GW

Collected by: AB, LW | Collected date/time: 03/10/23 01:35 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 11:00	03/16/23 11:00	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022542	1	03/14/23 12:12	03/14/23 12:12	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022542	1	03/14/23 12:12	03/14/23 12:12	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021750	1	03/12/23 11:33	03/12/23 11:33	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021714	10	03/15/23 18:36	03/15/23 18:36	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022074	10	03/13/23 12:53	03/13/23 12:53	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	10	03/17/23 20:54	03/17/23 20:54	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 21:07	03/17/23 21:07	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022500	1	03/16/23 01:53	03/16/23 01:53	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 11:00	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	5	03/13/23 14:16	03/16/23 16:57	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 14:39	03/15/23 14:39	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2023219	1	03/15/23 04:24	03/15/23 04:24	DWR	Mt. Juliet, TN

MW-18R-W-230309 L1594148-16 GW

Collected by: AB, LW | Collected date/time: 03/09/23 20:40 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG2020686	1	03/13/23 16:01	03/13/23 16:01	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2020686	1	03/13/23 16:01	03/13/23 16:01	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	10	03/17/23 21:21	03/17/23 21:21	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022500	1	03/16/23 02:18	03/16/23 02:18	LOH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 14:41	03/15/23 14:41	JSD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2024343	10	03/16/23 11:44	03/16/23 11:44	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2024732	1	03/17/23 06:46	03/17/23 06:46	ACG	Mt. Juliet, TN

BD-W-230310 L1594148-17 GW

Collected by: AB, LW | Collected date/time: 03/10/23 00:00 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 11:03	03/16/23 11:03	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022542	1	03/14/23 12:15	03/14/23 12:15	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022542	1	03/14/23 12:15	03/14/23 12:15	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021750	1	03/12/23 11:33	03/12/23 11:33	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021714	10	03/15/23 18:38	03/15/23 18:38	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022074	10	03/13/23 12:54	03/13/23 12:54	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	10	03/17/23 21:49	03/17/23 21:49	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	100	03/17/23 22:02	03/17/23 22:02	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022500	1	03/16/23 02:45	03/16/23 02:45	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 11:03	SPL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	5	03/13/23 14:16	03/16/23 16:59	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 14:44	03/15/23 14:44	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2023219	10	03/15/23 05:03	03/15/23 05:03	DWR	Mt. Juliet, TN

FB-W-230310 L1594148-18 GW

Collected by: AB, LW | Collected date/time: 03/10/23 04:40 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2021986	1	03/16/23 11:06	03/16/23 11:06	SPL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2022542	1	03/14/23 12:19	03/14/23 12:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG2022542	1	03/14/23 12:19	03/14/23 12:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG2021750	1	03/12/23 11:34	03/12/23 11:34	CAH	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2021714	1	03/15/23 18:43	03/15/23 18:43	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2022074	1	03/13/23 12:54	03/13/23 12:54	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2025159	1	03/17/23 22:16	03/17/23 22:16	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2022500	1	03/16/23 03:41	03/16/23 03:41	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2021986	1	03/13/23 14:16	03/16/23 11:06	SPL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2023648	1	03/15/23 14:51	03/15/23 14:51	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2023219	1	03/15/23 00:13	03/15/23 00:13	DWR	Mt. Juliet, TN

TB01-W-230310 L1594148-19 GW

Collected by: AB, LW | Collected date/time: 03/09/23 00:00 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2023219	1	03/14/23 23:05	03/14/23 23:05	DWR	Mt. Juliet, TN

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

TB02-W-230310 L1594148-20 GW

Collected by: AB, LW | Collected date/time: 03/09/23 00:00 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2023219	1	03/14/23 23:25	03/14/23 23:25	DWR	Mt. Juliet, TN

TB03-W-230310 L1594148-21 GW

Collected by: AB, LW | Collected date/time: 03/09/23 00:00 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2023219	1	03/14/23 23:44	03/14/23 23:44	DWR	Mt. Juliet, TN

TB04-W-230310 L1594148-22 GW

Collected by: AB, LW | Collected date/time: 03/09/23 00:00 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2023811	1	03/15/23 15:01	03/15/23 15:01	ACG	Mt. Juliet, TN

TB05-W-230310 L1594148-23 GW

Collected by: AB, LW | Collected date/time: 03/09/23 00:00 | Received date/time: 03/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2023811	1	03/15/23 14:41	03/15/23 14:41	ACG	Mt. Juliet, TN

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
WG2020686	4500CO2 D-2011	L1594148-16
WG2021749	3500Fe B-2011	L1594148-01, 02, 03, 04, 05, 06, 07
WG2021750	3500Fe B-2011	L1594148-08, 09, 10, 11, 12, 13, 14, 15, 17, 18
WG2022538	4500CO2 D-2011	L1594148-05, 06, 07, 08
WG2022539	4500CO2 D-2011	L1594148-01, 02, 03, 04
WG2022541	4500CO2 D-2011	L1594148-09, 10, 11, 12, 13
WG2022542	4500CO2 D-2011	L1594148-14, 15, 17, 18

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

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2022538	Free Carbon Dioxide	L1594148-05, 06, 07, 08
WG2022539	Free Carbon Dioxide	L1594148-03
WG2022541	Free Carbon Dioxide	L1594148-09, 10, 11, 12, 13
WG2022542	Free Carbon Dioxide	L1594148-14, 15, 17

Wet Chemistry by Method 4500S2 D-2011

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

Batch	Lab Sample ID	Analytes
WG2022072	(MS) R3900335-4, (MSD) R3900335-5	Sulfide

Wet Chemistry by Method 9060A

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2022064	TOC (Total Organic Carbon)	L1594148-03, 04
WG2022500	TOC (Total Organic Carbon)	L1594148-12, 14, 18

Metals (ICP) by Method 6010D

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2021986	Iron	L1594148-18

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

Batch	Lab Sample ID	Analytes
WG2021986	(MS) R3901870-6, (MSD) R3901870-7, L1594148-03	Sodium

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
WG2022447	L1594148-01	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1594148-02	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1594148-03	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1594148-04	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1594148-05	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1594148-07	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1594148-08	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1594148-09	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1594148-10	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1594148-11	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1594148-12	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1594148-13	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2022447	L1594148-14	1,1-Dichloroethane, 1,2-Dibromo-3-Chloropropane and Chloroform
WG2023219	L1594148-15	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG2023219	L1594148-17	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG2023219	L1594148-18	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG2023219	L1594148-19	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG2023219	L1594148-20	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG2023219	L1594148-21	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG2023811	L1594148-22	1,2,4-Trichlorobenzene, 2-Hexanone, Acetone and Vinyl chloride
WG2023811	L1594148-23	1,2,4-Trichlorobenzene, 2-Hexanone, Acetone and Vinyl chloride
WG2023824	L1594148-06	Bromomethane
WG2024732	L1594148-16	1,2,4-Trichlorobenzene

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2023811	Tetrachloroethene	L1594148-22, 23

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2022447	(LCS) R3901326-1, L1594148-01, 02, 03, 04, 05, 07, 08, 09, 10, 11, 12, 13, 14	Acetone
WG2023824	(LCS) R3901655-1, L1594148-06	Chlorobenzene

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	6950		18.0	100	1	03/16/2023 15:10	WG2021983

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	305000		20000	1	03/15/2023 13:08	WG2022539
Free Carbon Dioxide	153000	T8	20000	1	03/15/2023 13:08	WG2022539

Sample Narrative:

L1594148-01 WG2022539: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	2270	T8	30.0	100	2	03/12/2023 09:49	WG2021749

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	03/15/2023 00:16	WG2021619

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	03/13/2023 10:45	WG2022072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	8440000		37900	100000	100	03/17/2023 14:03	WG2025159
Sulfate	1030000		59400	500000	100	03/17/2023 14:03	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8140		102	1000	1	03/14/2023 09:21	WG2022064

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9230		18.0	100	1	03/16/2023 15:10	WG2021983
Manganese	1560		0.934	10.0	1	03/16/2023 15:10	WG2021983
Sodium	4010000		2520	15000	5	03/17/2023 09:10	WG2021983

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	389		2.91	10.0	1	03/15/2023 11:25	WG2023444
Ethane	U		4.07	13.0	1	03/15/2023 11:25	WG2023444
Ethene	U		4.26	13.0	1	03/15/2023 11:25	WG2023444

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/14/2023 00:51	WG2022447
Benzene	U		0.0941	1.00	1	03/14/2023 00:51	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 00:51	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 00:51	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 00:51	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 00:51	WG2022447
Carbon disulfide	0.112	J	0.0962	1.00	1	03/14/2023 00:51	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 00:51	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 00:51	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 00:51	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 00:51	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 00:51	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 00:51	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 00:51	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 00:51	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 00:51	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 00:51	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 00:51	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 00:51	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 00:51	WG2022447
1,1-Dichloroethane	0.176	C3 J	0.100	1.00	1	03/14/2023 00:51	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 00:51	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 00:51	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 00:51	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 00:51	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 00:51	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 00:51	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 00:51	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/14/2023 00:51	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 00:51	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 00:51	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 00:51	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 00:51	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 00:51	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 00:51	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 00:51	WG2022447
Methyl tert-butyl ether	U		0.101	1.00	1	03/14/2023 00:51	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 00:51	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 00:51	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 00:51	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 00:51	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 00:51	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 00:51	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 00:51	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 00:51	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 00:51	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 00:51	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 00:51	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 00:51	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/14/2023 00:51	WG2022447
(S) Toluene-d8	*105*			*80.0-120*		*03/14/2023 00:51*	WG2022447
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*03/14/2023 00:51*	WG2022447
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*03/14/2023 00:51*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U		15.0	50.0	1	03/16/2023 15:13	WG2021983

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	401000		20000	1	03/15/2023 13:12	WG2022539
Free Carbon Dioxide	125000	T8	20000	1	03/15/2023 13:12	WG2022539

Sample Narrative:

L1594148-02 WG2022539: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	403	T8	15.0	50.0	1	03/12/2023 09:50	WG2021749

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		250	500	5	03/15/2023 00:21	WG2021619

Sample Narrative:

L1594148-02 WG2021619: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	03/13/2023 10:45	WG2022072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	4350000		37900	100000	100	03/17/2023 14:30	WG2025159
Sulfate	484000		5940	50000	10	03/17/2023 14:16	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8580		204	2000	2	03/14/2023 09:45	WG2022064

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	258		18.0	100	1	03/16/2023 15:13	WG2021983
Manganese	287		0.934	10.0	1	03/16/2023 15:13	WG2021983
Sodium	2390000		2520	15000	5	03/17/2023 09:13	WG2021983

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	456		2.91	10.0	1	03/15/2023 11:31	WG2023444
Ethane	U		4.07	13.0	1	03/15/2023 11:31	WG2023444

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethene	U		4.26	13.0	1	03/15/2023 11:31	WG2023444

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/14/2023 01:13	WG2022447
Benzene	U		0.0941	1.00	1	03/14/2023 01:13	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 01:13	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 01:13	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 01:13	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 01:13	WG2022447
Carbon disulfide	0.136	J	0.0962	1.00	1	03/14/2023 01:13	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 01:13	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 01:13	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 01:13	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 01:13	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 01:13	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 01:13	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 01:13	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 01:13	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 01:13	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 01:13	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 01:13	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 01:13	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 01:13	WG2022447
1,1-Dichloroethane	0.464	C3 J	0.100	1.00	1	03/14/2023 01:13	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 01:13	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 01:13	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 01:13	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 01:13	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 01:13	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 01:13	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 01:13	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/14/2023 01:13	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 01:13	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 01:13	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 01:13	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 01:13	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 01:13	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 01:13	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 01:13	WG2022447
Methyl tert-butyl ether	0.239	J	0.101	1.00	1	03/14/2023 01:13	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 01:13	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 01:13	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 01:13	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 01:13	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 01:13	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 01:13	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 01:13	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 01:13	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 01:13	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 01:13	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 01:13	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 01:13	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/14/2023 01:13	WG2022447
(S) Toluene-d8	*105*			*80.0-120*		*03/14/2023 01:13*	WG2022447

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/14/2023 01:13*	WG2022447
(S) 1,2-Dichloroethane-d4	*89.8*			*70.0-130*		*03/14/2023 01:13*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U		15.0	50.0	1	03/16/2023 10:13	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	716000		20000	1	03/15/2023 13:17	WG2022539
Free Carbon Dioxide	103000	B T8	20000	1	03/15/2023 13:17	WG2022539

Sample Narrative:

L1594148-03 WG2022539: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	1410	T8	15.0	50.0	1	03/12/2023 09:50	WG2021749

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		250	500	5	03/15/2023 00:22	WG2021619

Sample Narrative:

L1594148-03 WG2021619: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	74.0		25.0	50.0	1	03/13/2023 10:45	WG2022072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3560000		37900	100000	100	03/17/2023 15:25	WG2025159
Sulfate	257000		5940	50000	10	03/17/2023 15:11	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	18300	B	510	5000	5	03/14/2023 10:07	WG2022064

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	828		18.0	100	1	03/16/2023 10:13	WG2021986
Manganese	65.0		0.934	10.0	1	03/16/2023 10:13	WG2021986
Sodium	2110000	V	2520	15000	5	03/16/2023 16:21	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1320		2.91	10.0	1	03/15/2023 11:36	WG2023444
Ethane	U		4.07	13.0	1	03/15/2023 11:36	WG2023444

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethene	U		4.26	13.0	1	03/15/2023 11:36	WG2023444

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/14/2023 01:35	WG2022447
Benzene	0.207	J	0.0941	1.00	1	03/14/2023 01:35	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 01:35	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 01:35	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 01:35	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 01:35	WG2022447
Carbon disulfide	0.405	J	0.0962	1.00	1	03/14/2023 01:35	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 01:35	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 01:35	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 01:35	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 01:35	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 01:35	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 01:35	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 01:35	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 01:35	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 01:35	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 01:35	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 01:35	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 01:35	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 01:35	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/14/2023 01:35	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 01:35	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 01:35	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 01:35	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 01:35	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 01:35	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 01:35	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 01:35	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/14/2023 01:35	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 01:35	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 01:35	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 01:35	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 01:35	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 01:35	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 01:35	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 01:35	WG2022447
Methyl tert-butyl ether	42.0		0.101	1.00	1	03/14/2023 01:35	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 01:35	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 01:35	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 01:35	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 01:35	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 01:35	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 01:35	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 01:35	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 01:35	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 01:35	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 01:35	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 01:35	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 01:35	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/14/2023 01:35	WG2022447
(S) Toluene-d8	*103*			*80.0-120*		*03/14/2023 01:35*	WG2022447

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*03/14/2023 01:35*	WG2022447
(S) 1,2-Dichloroethane-d4	*87.7*			*70.0-130*		*03/14/2023 01:35*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	1650		18.0	100	1	03/16/2023 10:24	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	176000		20000	1	03/15/2023 13:20	WG2022539
Free Carbon Dioxide	ND	T8	20000	1	03/15/2023 13:20	WG2022539

Sample Narrative:

L1594148-04 WG2022539: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	1640	T8	30.0	100	2	03/12/2023 09:51	WG2021749

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	371		50.0	100	1	03/15/2023 00:23	WG2021619

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	03/13/2023 10:46	WG2022072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3500000		37900	100000	100	03/17/2023 15:52	WG2025159
Sulfate	407000		5940	50000	10	03/17/2023 15:38	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2800	B	102	1000	1	03/14/2023 10:33	WG2022064

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3290		18.0	100	1	03/16/2023 10:24	WG2021986
Manganese	25.2		0.934	10.0	1	03/16/2023 10:24	WG2021986
Sodium	293000		504	3000	1	03/16/2023 10:24	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		2.91	10.0	1	03/15/2023 13:52	WG2023648
Ethane	U		4.07	13.0	1	03/15/2023 13:52	WG2023648
Ethene	U		4.26	13.0	1	03/15/2023 13:52	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/14/2023 01:56	WG2022447
Benzene	U		0.0941	1.00	1	03/14/2023 01:56	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 01:56	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 01:56	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 01:56	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 01:56	WG2022447
Carbon disulfide	0.115	J	0.0962	1.00	1	03/14/2023 01:56	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 01:56	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 01:56	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 01:56	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 01:56	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 01:56	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 01:56	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 01:56	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 01:56	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 01:56	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 01:56	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 01:56	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 01:56	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 01:56	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/14/2023 01:56	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 01:56	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 01:56	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 01:56	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 01:56	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 01:56	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 01:56	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 01:56	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/14/2023 01:56	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 01:56	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 01:56	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 01:56	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 01:56	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 01:56	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 01:56	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 01:56	WG2022447
Methyl tert-butyl ether	U		0.101	1.00	1	03/14/2023 01:56	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 01:56	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 01:56	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 01:56	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 01:56	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 01:56	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 01:56	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 01:56	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 01:56	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 01:56	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 01:56	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 01:56	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 01:56	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/14/2023 01:56	WG2022447
(S) Toluene-d8	*102*			*80.0-120*		*03/14/2023 01:56*	WG2022447
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*03/14/2023 01:56*	WG2022447
(S) 1,2-Dichloroethane-d4	*89.1*			*70.0-130*		*03/14/2023 01:56*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	3080		18.0	100	1	03/16/2023 10:27	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	708000		20000	1	03/15/2023 12:04	WG2022538
Free Carbon Dioxide	31100	B T8	20000	1	03/15/2023 12:04	WG2022538

Sample Narrative:

L1594148-05 WG2022538: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	2400	T8	30.0	100	2	03/12/2023 09:51	WG2021749

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	03/15/2023 00:25	WG2021619

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	03/13/2023 10:46	WG2022072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	16400000		37900	100000	100	03/17/2023 16:06	WG2025159
Sulfate	1780000		59400	500000	100	03/17/2023 16:06	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5900		102	1000	1	03/14/2023 10:55	WG2022064

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5470		18.0	100	1	03/16/2023 10:27	WG2021986
Manganese	310		0.934	10.0	1	03/16/2023 10:27	WG2021986
Sodium	8520000		10100	60000	20	03/17/2023 09:02	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	37.3		2.91	10.0	1	03/15/2023 13:55	WG2023648
Ethane	U		4.07	13.0	1	03/15/2023 13:55	WG2023648
Ethene	U		4.26	13.0	1	03/15/2023 13:55	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/14/2023 02:18	WG2022447
Benzene	U		0.0941	1.00	1	03/14/2023 02:18	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 02:18	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 02:18	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 02:18	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 02:18	WG2022447
Carbon disulfide	U		0.0962	1.00	1	03/14/2023 02:18	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 02:18	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 02:18	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 02:18	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 02:18	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 02:18	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 02:18	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 02:18	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 02:18	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 02:18	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 02:18	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 02:18	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 02:18	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 02:18	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/14/2023 02:18	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 02:18	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 02:18	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 02:18	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 02:18	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 02:18	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 02:18	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 02:18	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/14/2023 02:18	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 02:18	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 02:18	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 02:18	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 02:18	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 02:18	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 02:18	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 02:18	WG2022447
Methyl tert-butyl ether	0.226	J	0.101	1.00	1	03/14/2023 02:18	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 02:18	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 02:18	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 02:18	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 02:18	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 02:18	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 02:18	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 02:18	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 02:18	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 02:18	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 02:18	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 02:18	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 02:18	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/14/2023 02:18	WG2022447
(S) Toluene-d8	*103*			*80.0-120*		*03/14/2023 02:18*	WG2022447
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/14/2023 02:18*	WG2022447
(S) 1,2-Dichloroethane-d4	*88.9*			*70.0-130*		*03/14/2023 02:18*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U		18.0	100	1	03/16/2023 10:30	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	370000		20000	1	03/15/2023 12:09	WG2022538
Free Carbon Dioxide	23000	B T8	20000	1	03/15/2023 12:09	WG2022538

Sample Narrative:

L1594148-06 WG2022538: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	8590	T8	150	500	10	03/12/2023 09:52	WG2021749

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		250	500	5	03/15/2023 00:26	WG2021619

Sample Narrative:

L1594148-06 WG2021619: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	03/13/2023 10:46	WG2022072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	126000		379	1000	1	03/17/2023 13:08	WG2025159
Sulfate	57200		594	5000	1	03/17/2023 13:08	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	21400		102	1000	1	03/14/2023 18:47	WG2022499

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5490		18.0	100	1	03/16/2023 10:30	WG2021986
Manganese	1320		0.934	10.0	1	03/16/2023 10:30	WG2021986
Sodium	91000		504	3000	1	03/16/2023 10:30	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5390		29.1	100	10	03/16/2023 11:40	WG2024343
Ethane	U		4.07	13.0	1	03/15/2023 13:58	WG2023648

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethene	U		4.26	13.0	1	03/15/2023 13:58	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	03/16/2023 01:12	WG2023824
Benzene	1.79		0.0941	1.00	1	03/16/2023 01:12	WG2023824
Bromochloromethane	U		0.128	1.00	1	03/16/2023 01:12	WG2023824
Bromodichloromethane	U		0.136	1.00	1	03/16/2023 01:12	WG2023824
Bromoform	U		0.129	1.00	1	03/16/2023 01:12	WG2023824
Bromomethane	U	C3	0.605	5.00	1	03/16/2023 01:12	WG2023824
Carbon disulfide	0.564	J	0.0962	1.00	1	03/16/2023 01:12	WG2023824
Carbon tetrachloride	U		0.128	1.00	1	03/16/2023 01:12	WG2023824
Chlorobenzene	U	J4	0.116	1.00	1	03/16/2023 01:12	WG2023824
Chlorodibromomethane	U		0.140	1.00	1	03/16/2023 01:12	WG2023824
Chloroethane	U		0.192	5.00	1	03/16/2023 01:12	WG2023824
Chloroform	U		0.111	5.00	1	03/16/2023 01:12	WG2023824
Chloromethane	U		0.960	2.50	1	03/16/2023 01:12	WG2023824
Cyclohexane	2.86		0.188	1.00	1	03/16/2023 01:12	WG2023824
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/16/2023 01:12	WG2023824
1,2-Dibromoethane	U		0.126	1.00	1	03/16/2023 01:12	WG2023824
1,2-Dichlorobenzene	U		0.107	1.00	1	03/16/2023 01:12	WG2023824
1,3-Dichlorobenzene	U		0.110	1.00	1	03/16/2023 01:12	WG2023824
1,4-Dichlorobenzene	U		0.120	1.00	1	03/16/2023 01:12	WG2023824
Dichlorodifluoromethane	U		0.374	5.00	1	03/16/2023 01:12	WG2023824
1,1-Dichloroethane	U		0.100	1.00	1	03/16/2023 01:12	WG2023824
1,2-Dichloroethane	U		0.0819	1.00	1	03/16/2023 01:12	WG2023824
1,1-Dichloroethene	U		0.188	1.00	1	03/16/2023 01:12	WG2023824
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/16/2023 01:12	WG2023824
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/16/2023 01:12	WG2023824
1,2-Dichloropropane	U		0.149	1.00	1	03/16/2023 01:12	WG2023824
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/16/2023 01:12	WG2023824
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/16/2023 01:12	WG2023824
Ethylbenzene	0.992	J	0.137	1.00	1	03/16/2023 01:12	WG2023824
2-Hexanone	U		0.787	10.0	1	03/16/2023 01:12	WG2023824
Isopropylbenzene	1.33		0.105	1.00	1	03/16/2023 01:12	WG2023824
2-Butanone (MEK)	U		1.19	10.0	1	03/16/2023 01:12	WG2023824
Methyl Acetate	U		1.29	20.0	1	03/16/2023 01:12	WG2023824
Methyl Cyclohexane	3.73		0.660	1.00	1	03/16/2023 01:12	WG2023824
Methylene Chloride	U		0.430	5.00	1	03/16/2023 01:12	WG2023824
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/16/2023 01:12	WG2023824
Methyl tert-butyl ether	0.103	J	0.101	1.00	1	03/16/2023 01:12	WG2023824
Styrene	U		0.118	1.00	1	03/16/2023 01:12	WG2023824
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/16/2023 01:12	WG2023824
Tetrachloroethene	U		0.300	1.00	1	03/16/2023 19:14	WG2024331
Toluene	U		0.278	1.00	1	03/16/2023 01:12	WG2023824
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/16/2023 01:12	WG2023824
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/16/2023 01:12	WG2023824
1,1,1-Trichloroethane	U		0.149	1.00	1	03/16/2023 01:12	WG2023824
1,1,2-Trichloroethane	U		0.158	1.00	1	03/16/2023 01:12	WG2023824
Trichloroethene	U		0.190	1.00	1	03/16/2023 01:12	WG2023824
Trichlorofluoromethane	U		0.160	5.00	1	03/16/2023 01:12	WG2023824
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/16/2023 01:12	WG2023824
Vinyl chloride	U		0.234	1.00	1	03/16/2023 01:12	WG2023824
Xylenes, Total	2.98	J	0.174	3.00	1	03/16/2023 01:12	WG2023824
(S) Toluene-d8	*107*			*80.0-120*		*03/16/2023 01:12*	WG2023824

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) Toluene-d8	*96.1*			*80.0-120*		*03/16/2023 19:14*	WG2024331
(S) 4-Bromofluorobenzene	*92.3*			*77.0-126*		*03/16/2023 01:12*	WG2023824
(S) 4-Bromofluorobenzene	*89.1*			*77.0-126*		*03/16/2023 19:14*	WG2024331
(S) 1,2-Dichloroethane-d4	*87.9*			*70.0-130*		*03/16/2023 01:12*	WG2023824
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*03/16/2023 19:14*	WG2024331

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U		15.0	50.0	1	03/16/2023 10:33	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	717000		20000	1	03/15/2023 12:13	WG2022538
Free Carbon Dioxide	105000	B T8	20000	1	03/15/2023 12:13	WG2022538

Sample Narrative:

L1594148-07 WG2022538: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	677	T8	15.0	50.0	1	03/12/2023 09:53	WG2021749

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		250	500	5	03/15/2023 00:27	WG2021619

Sample Narrative:

L1594148-07 WG2021619: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	14000		625	1250	25	03/13/2023 10:46	WG2022072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3500000		37900	100000	100	03/17/2023 16:33	WG2025159
Sulfate	242000		5940	50000	10	03/17/2023 16:20	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	11700		102	1000	1	03/14/2023 19:12	WG2022499

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	530		18.0	100	1	03/16/2023 10:33	WG2021986
Manganese	76.9		0.934	10.0	1	03/16/2023 10:33	WG2021986
Sodium	1850000		2520	15000	5	03/17/2023 14:01	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1250		2.91	10.0	1	03/15/2023 14:07	WG2023648
Ethane	U		4.07	13.0	1	03/15/2023 14:07	WG2023648

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethene	U		4.26	13.0	1	03/15/2023 14:07	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/14/2023 02:40	WG2022447
Benzene	3.27		0.0941	1.00	1	03/14/2023 02:40	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 02:40	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 02:40	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 02:40	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 02:40	WG2022447
Carbon disulfide	0.312	J	0.0962	1.00	1	03/14/2023 02:40	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 02:40	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 02:40	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 02:40	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 02:40	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 02:40	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 02:40	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 02:40	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 02:40	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 02:40	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 02:40	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 02:40	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 02:40	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 02:40	WG2022447
1,1-Dichloroethane	0.920	C3 J	0.100	1.00	1	03/14/2023 02:40	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 02:40	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 02:40	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 02:40	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 02:40	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 02:40	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 02:40	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 02:40	WG2022447
Ethylbenzene	1.34		0.137	1.00	1	03/14/2023 02:40	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 02:40	WG2022447
Isopropylbenzene	0.211	J	0.105	1.00	1	03/14/2023 02:40	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 02:40	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 02:40	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 02:40	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 02:40	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 02:40	WG2022447
Methyl tert-butyl ether	6.58		0.101	1.00	1	03/14/2023 02:40	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 02:40	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 02:40	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 02:40	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 02:40	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 02:40	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 02:40	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 02:40	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 02:40	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 02:40	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 02:40	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 02:40	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 02:40	WG2022447
Xylenes, Total	0.636	J	0.174	3.00	1	03/14/2023 02:40	WG2022447
(S) Toluene-d8	*102*			*80.0-120*		*03/14/2023 02:40*	WG2022447

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/14/2023 02:40*	WG2022447
(S) 1,2-Dichloroethane-d4	*89.7*			*70.0-130*		*03/14/2023 02:40*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	934		15.0	50.0	1	03/16/2023 10:41	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	631000		20000	1	03/15/2023 12:29	WG2022538
Free Carbon Dioxide	47500	B T8	20000	1	03/15/2023 12:29	WG2022538

Sample Narrative:

L1594148-08 WG2022538: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	473	T8	15.0	50.0	1	03/12/2023 11:14	WG2021750

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		250	500	5	03/15/2023 00:29	WG2021619

Sample Narrative:

L1594148-08 WG2021619: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	03/13/2023 12:19	WG2022074

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3130000		37900	100000	100	03/17/2023 17:01	WG2025159
Sulfate	216000		5940	50000	10	03/17/2023 16:47	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10800		102	1000	1	03/14/2023 19:35	WG2022499

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1410		18.0	100	1	03/16/2023 10:41	WG2021986
Manganese	65.5		0.934	10.0	1	03/16/2023 10:41	WG2021986
Sodium	1570000		2520	15000	5	03/16/2023 16:35	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	359		2.91	10.0	1	03/15/2023 14:09	WG2023648
Ethane	U		4.07	13.0	1	03/15/2023 14:09	WG2023648

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethene	U		4.26	13.0	1	03/15/2023 14:09	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/14/2023 03:01	WG2022447
Benzene	0.198	J	0.0941	1.00	1	03/14/2023 03:01	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 03:01	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 03:01	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 03:01	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 03:01	WG2022447
Carbon disulfide	0.172	J	0.0962	1.00	1	03/14/2023 03:01	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 03:01	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 03:01	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 03:01	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 03:01	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 03:01	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 03:01	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 03:01	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 03:01	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 03:01	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 03:01	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 03:01	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 03:01	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 03:01	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/14/2023 03:01	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 03:01	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 03:01	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 03:01	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 03:01	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 03:01	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 03:01	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 03:01	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/14/2023 03:01	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 03:01	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 03:01	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 03:01	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 03:01	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 03:01	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 03:01	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 03:01	WG2022447
Methyl tert-butyl ether	18.1		0.101	1.00	1	03/14/2023 03:01	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 03:01	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 03:01	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 03:01	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 03:01	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 03:01	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 03:01	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 03:01	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 03:01	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 03:01	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 03:01	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 03:01	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 03:01	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/14/2023 03:01	WG2022447
(S) Toluene-d8	*103*			*80.0-120*		*03/14/2023 03:01*	WG2022447

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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*03/14/2023 03:01*	WG2022447
(S) 1,2-Dichloroethane-d4	*88.5*			*70.0-130*		*03/14/2023 03:01*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	297		18.0	100	1	03/16/2023 10:44	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	432000		20000	1	03/14/2023 11:40	WG2022541
Free Carbon Dioxide	88000	B T8	20000	1	03/14/2023 11:40	WG2022541

Sample Narrative:

L1594148-09 WG2022541: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	1920	T8	30.0	100	2	03/12/2023 11:23	WG2021750

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		250	500	5	03/15/2023 00:30	WG2021619

Sample Narrative:

L1594148-09 WG2021619: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	28.0	J	25.0	50.0	1	03/13/2023 12:19	WG2022074

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	7220000		37900	100000	100	03/17/2023 17:56	WG2025159
Sulfate	971000		5940	50000	10	03/17/2023 17:14	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	13600		102	1000	1	03/14/2023 19:57	WG2022499

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2220		18.0	100	1	03/16/2023 10:44	WG2021986
Manganese	1340		0.934	10.0	1	03/16/2023 10:44	WG2021986
Sodium	4330000		2520	15000	5	03/16/2023 16:38	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1250		2.91	10.0	1	03/15/2023 14:12	WG2023648
Ethane	U		4.07	13.0	1	03/15/2023 14:12	WG2023648

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethene	U		4.26	13.0	1	03/15/2023 14:12	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	13.6	J J4	11.3	50.0	1	03/14/2023 03:23	WG2022447
Benzene	1.66		0.0941	1.00	1	03/14/2023 03:23	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 03:23	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 03:23	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 03:23	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 03:23	WG2022447
Carbon disulfide	0.257	J	0.0962	1.00	1	03/14/2023 03:23	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 03:23	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 03:23	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 03:23	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 03:23	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 03:23	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 03:23	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 03:23	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 03:23	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 03:23	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 03:23	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 03:23	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 03:23	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 03:23	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/14/2023 03:23	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 03:23	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 03:23	WG2022447
cis-1,2-Dichloroethene	1.45		0.126	1.00	1	03/14/2023 03:23	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 03:23	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 03:23	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 03:23	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 03:23	WG2022447
Ethylbenzene	0.215	J	0.137	1.00	1	03/14/2023 03:23	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 03:23	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 03:23	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 03:23	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 03:23	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 03:23	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 03:23	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 03:23	WG2022447
Methyl tert-butyl ether	12.9		0.101	1.00	1	03/14/2023 03:23	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 03:23	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 03:23	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 03:23	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 03:23	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 03:23	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 03:23	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 03:23	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 03:23	WG2022447
Trichloroethene	3.87		0.190	1.00	1	03/14/2023 03:23	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 03:23	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 03:23	WG2022447
Vinyl chloride	0.561	J	0.234	1.00	1	03/14/2023 03:23	WG2022447
Xylenes, Total	0.486	J	0.174	3.00	1	03/14/2023 03:23	WG2022447
(S) Toluene-d8	*105*			*80.0-120*		*03/14/2023 03:23*	WG2022447

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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*03/14/2023 03:23*	WG2022447
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*03/14/2023 03:23*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	4820		15.0	50.0	1	03/16/2023 10:46	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	558000		20000	1	03/14/2023 11:59	WG2022541
Free Carbon Dioxide	58200	B T8	20000	1	03/14/2023 11:59	WG2022541

Sample Narrative:

L1594148-10 WG2022541: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	823	T8	15.0	50.0	1	03/12/2023 11:24	WG2021750

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		500	1000	10	03/15/2023 00:31	WG2021619

Sample Narrative:

L1594148-10 WG2021619: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	204		25.0	50.0	1	03/13/2023 12:20	WG2022074

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2670000		37900	100000	100	03/17/2023 18:23	WG2025159
Sulfate	213000		5940	50000	10	03/17/2023 18:09	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7150		102	1000	1	03/14/2023 20:19	WG2022499

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5640		18.0	100	1	03/16/2023 10:46	WG2021986
Manganese	472		0.934	10.0	1	03/16/2023 10:46	WG2021986
Sodium	1430000		2520	15000	5	03/16/2023 16:40	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	676		2.91	10.0	1	03/15/2023 14:14	WG2023648
Ethane	U		4.07	13.0	1	03/15/2023 14:14	WG2023648

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethene	U		4.26	13.0	1	03/15/2023 14:14	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/14/2023 03:45	WG2022447
Benzene	U		0.0941	1.00	1	03/14/2023 03:45	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 03:45	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 03:45	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 03:45	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 03:45	WG2022447
Carbon disulfide	0.112	J	0.0962	1.00	1	03/14/2023 03:45	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 03:45	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 03:45	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 03:45	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 03:45	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 03:45	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 03:45	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 03:45	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 03:45	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 03:45	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 03:45	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 03:45	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 03:45	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 03:45	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/14/2023 03:45	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 03:45	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 03:45	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 03:45	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 03:45	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 03:45	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 03:45	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 03:45	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/14/2023 03:45	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 03:45	WG2022447
Isopropylbenzene	0.186	J	0.105	1.00	1	03/14/2023 03:45	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 03:45	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 03:45	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 03:45	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 03:45	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 03:45	WG2022447
Methyl tert-butyl ether	44.7		0.101	1.00	1	03/14/2023 03:45	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 03:45	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 03:45	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 03:45	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 03:45	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 03:45	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 03:45	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 03:45	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 03:45	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 03:45	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 03:45	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 03:45	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 03:45	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/14/2023 03:45	WG2022447
(S) Toluene-d8	*104*			*80.0-120*		*03/14/2023 03:45*	WG2022447

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*03/14/2023 03:45*	WG2022447
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*		*03/14/2023 03:45*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	438		15.0	50.0	1	03/16/2023 10:49	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	649000		20000	1	03/14/2023 12:04	WG2022541
Free Carbon Dioxide	44800	B T8	20000	1	03/14/2023 12:04	WG2022541

Sample Narrative:

L1594148-11 WG2022541: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	297	T8	15.0	50.0	1	03/12/2023 11:25	WG2021750

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		500	1000	10	03/15/2023 18:33	WG2021714

Sample Narrative:

L1594148-11 WG2021714: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	19700		500	1000	20	03/13/2023 12:50	WG2022074

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2630000		37900	100000	100	03/17/2023 18:50	WG2025159
Sulfate	111000		5940	50000	10	03/17/2023 18:37	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4570		102	1000	1	03/16/2023 00:02	WG2022500

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	735		18.0	100	1	03/16/2023 10:49	WG2021986
Manganese	24.5		0.934	10.0	1	03/16/2023 10:49	WG2021986
Sodium	1620000		2520	15000	5	03/16/2023 16:43	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5110		2.91	10.0	1	03/15/2023 14:17	WG2023648
Ethane	502		4.07	13.0	1	03/15/2023 14:17	WG2023648

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethene	U		4.26	13.0	1	03/15/2023 14:17	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/14/2023 04:06	WG2022447
Benzene	3.56		0.0941	1.00	1	03/14/2023 04:06	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 04:06	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 04:06	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 04:06	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 04:06	WG2022447
Carbon disulfide	0.199	J	0.0962	1.00	1	03/14/2023 04:06	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 04:06	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 04:06	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 04:06	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 04:06	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 04:06	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 04:06	WG2022447
Cyclohexane	0.405	J	0.188	1.00	1	03/14/2023 04:06	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 04:06	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 04:06	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 04:06	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 04:06	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 04:06	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 04:06	WG2022447
1,1-Dichloroethane	0.257	C3 J	0.100	1.00	1	03/14/2023 04:06	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 04:06	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 04:06	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 04:06	WG2022447
trans-1,2-Dichloroethene	1.08		0.149	1.00	1	03/14/2023 04:06	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 04:06	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 04:06	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 04:06	WG2022447
Ethylbenzene	3.22		0.137	1.00	1	03/14/2023 04:06	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 04:06	WG2022447
Isopropylbenzene	0.420	J	0.105	1.00	1	03/14/2023 04:06	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 04:06	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 04:06	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 04:06	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 04:06	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 04:06	WG2022447
Methyl tert-butyl ether	81.3		0.101	1.00	1	03/14/2023 04:06	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 04:06	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 04:06	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 04:06	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 04:06	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 04:06	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 04:06	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 04:06	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 04:06	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 04:06	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 04:06	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 04:06	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 04:06	WG2022447
Xylenes, Total	0.273	J	0.174	3.00	1	03/14/2023 04:06	WG2022447
(S) Toluene-d8	*102*			*80.0-120*		*03/14/2023 04:06*	WG2022447

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*03/14/2023 04:06*	WG2022447
(S) 1,2-Dichloroethane-d4	*90.4*			*70.0-130*		*03/14/2023 04:06*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	113		15.0	50.0	1	03/16/2023 10:52	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	765000		20000	1	03/14/2023 12:09	WG2022541
Free Carbon Dioxide	124000	B T8	20000	1	03/14/2023 12:09	WG2022541

Sample Narrative:

L1594148-12 WG2022541: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	258	T8	15.0	50.0	1	03/12/2023 11:25	WG2021750

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	22600		500	1000	10	03/15/2023 00:32	WG2021619

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	17200		500	1000	20	03/13/2023 12:51	WG2022074

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3680000		37900	100000	100	03/17/2023 19:18	WG2025159
Sulfate	174000		5940	50000	10	03/17/2023 19:04	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2970	B	102	1000	1	03/16/2023 00:20	WG2022500

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	371		18.0	100	1	03/16/2023 10:52	WG2021986
Manganese	50.1		0.934	10.0	1	03/16/2023 10:52	WG2021986
Sodium	2290000		2520	15000	5	03/16/2023 16:46	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1340		2.91	10.0	1	03/15/2023 14:19	WG2023648
Ethane	U		4.07	13.0	1	03/15/2023 14:19	WG2023648
Ethene	20.3		4.26	13.0	1	03/15/2023 14:19	WG2023648

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	J4	11.3	50.0	1	03/14/2023 04:28	WG2022447
Benzene	2.02		0.0941	1.00	1	03/14/2023 04:28	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 04:28	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 04:28	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 04:28	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 04:28	WG2022447
Carbon disulfide	0.180	J	0.0962	1.00	1	03/14/2023 04:28	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 04:28	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 04:28	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 04:28	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 04:28	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 04:28	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 04:28	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 04:28	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 04:28	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 04:28	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 04:28	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 04:28	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 04:28	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 04:28	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/14/2023 04:28	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 04:28	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 04:28	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 04:28	WG2022447
trans-1,2-Dichloroethene	1.07		0.149	1.00	1	03/14/2023 04:28	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 04:28	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 04:28	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 04:28	WG2022447
Ethylbenzene	0.214	J	0.137	1.00	1	03/14/2023 04:28	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 04:28	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 04:28	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 04:28	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 04:28	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 04:28	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 04:28	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 04:28	WG2022447
Methyl tert-butyl ether	12.5		0.101	1.00	1	03/14/2023 04:28	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 04:28	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 04:28	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 04:28	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 04:28	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 04:28	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 04:28	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 04:28	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 04:28	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 04:28	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 04:28	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 04:28	WG2022447
Vinyl chloride	11.1		0.234	1.00	1	03/14/2023 04:28	WG2022447
Xylenes, Total	0.489	J	0.174	3.00	1	03/14/2023 04:28	WG2022447
(S) Toluene-d8	*105*			*80.0-120*		*03/14/2023 04:28*	WG2022447
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/14/2023 04:28*	WG2022447
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*		*03/14/2023 04:28*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U		15.0	50.0	1	03/16/2023 10:55	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	466000		20000	1	03/14/2023 12:14	WG2022541
Free Carbon Dioxide	69500	B T8	20000	1	03/14/2023 12:14	WG2022541

Sample Narrative:

L1594148-13 WG2022541: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	771	T8	15.0	50.0	1	03/12/2023 11:26	WG2021750

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	03/15/2023 18:34	WG2021714

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	03/13/2023 12:51	WG2022074

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2200000		37900	100000	100	03/19/2023 17:21	WG2026147
Sulfate	200000		594	5000	1	03/17/2023 19:31	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	34000		102	1000	1	03/16/2023 00:47	WG2022500

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	502		18.0	100	1	03/16/2023 10:55	WG2021986
Manganese	43.3		0.934	10.0	1	03/16/2023 10:55	WG2021986
Sodium	1260000		2520	15000	5	03/16/2023 16:54	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4120		2.91	10.0	1	03/15/2023 14:31	WG2023648
Ethane	U		4.07	13.0	1	03/15/2023 14:31	WG2023648
Ethene	U		4.26	13.0	1	03/15/2023 14:31	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/14/2023 04:50	WG2022447
Benzene	5.40		0.0941	1.00	1	03/14/2023 04:50	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 04:50	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 04:50	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 04:50	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 04:50	WG2022447
Carbon disulfide	0.141	J	0.0962	1.00	1	03/14/2023 04:50	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 04:50	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 04:50	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 04:50	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 04:50	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 04:50	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 04:50	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 04:50	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 04:50	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 04:50	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 04:50	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 04:50	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 04:50	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 04:50	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/14/2023 04:50	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 04:50	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 04:50	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 04:50	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 04:50	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 04:50	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 04:50	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 04:50	WG2022447
Ethylbenzene	2.08		0.137	1.00	1	03/14/2023 04:50	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 04:50	WG2022447
Isopropylbenzene	0.476	J	0.105	1.00	1	03/14/2023 04:50	WG2022447
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 04:50	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 04:50	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 04:50	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 04:50	WG2022447
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 04:50	WG2022447
Methyl tert-butyl ether	51.7		0.101	1.00	1	03/14/2023 04:50	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 04:50	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 04:50	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 04:50	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 04:50	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 04:50	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 04:50	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 04:50	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 04:50	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 04:50	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 04:50	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 04:50	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 04:50	WG2022447
Xylenes, Total	4.18		0.174	3.00	1	03/14/2023 04:50	WG2022447
(S) Toluene-d8	*106*			*80.0-120*		*03/14/2023 04:50*	WG2022447
(S) 4-Bromofluorobenzene	*99.9*			*77.0-126*		*03/14/2023 04:50*	WG2022447
(S) 1,2-Dichloroethane-d4	*87.6*			*70.0-130*		*03/14/2023 04:50*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U		18.0	100	1	03/16/2023 10:57	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	669000		20000	1	03/14/2023 11:41	WG2022542
Free Carbon Dioxide	98000	B T8	20000	1	03/14/2023 11:41	WG2022542

Sample Narrative:

L1594148-14 WG2022542: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	14800	T8	300	1000	20	03/12/2023 11:33	WG2021750

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	03/15/2023 18:35	WG2021714

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	03/13/2023 12:53	WG2022074

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	577000		1900	5000	5	03/17/2023 19:59	WG2025159
Sulfate	93700		2970	25000	5	03/17/2023 19:59	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2040	B	102	1000	1	03/16/2023 01:32	WG2022500

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12500		18.0	100	1	03/16/2023 10:57	WG2021986
Manganese	152		0.934	10.0	1	03/16/2023 10:57	WG2021986
Sodium	229000		504	3000	1	03/16/2023 10:57	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1800		2.91	10.0	1	03/15/2023 14:36	WG2023648
Ethane	U		4.07	13.0	1	03/15/2023 14:36	WG2023648
Ethene	U		4.26	13.0	1	03/15/2023 14:36	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J4	11.3	50.0	1	03/14/2023 05:12	WG2022447
Benzene	U		0.0941	1.00	1	03/14/2023 05:12	WG2022447
Bromochloromethane	U		0.128	1.00	1	03/14/2023 05:12	WG2022447
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 05:12	WG2022447
Bromoform	U		0.129	1.00	1	03/14/2023 05:12	WG2022447
Bromomethane	U		0.605	5.00	1	03/14/2023 05:12	WG2022447
Carbon disulfide	U		0.0962	1.00	1	03/14/2023 05:12	WG2022447
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 05:12	WG2022447
Chlorobenzene	U		0.116	1.00	1	03/14/2023 05:12	WG2022447
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 05:12	WG2022447
Chloroethane	U		0.192	5.00	1	03/14/2023 05:12	WG2022447
Chloroform	U	C3	0.111	5.00	1	03/14/2023 05:12	WG2022447
Chloromethane	U		0.960	2.50	1	03/14/2023 05:12	WG2022447
Cyclohexane	U		0.188	1.00	1	03/14/2023 05:12	WG2022447
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	03/14/2023 05:12	WG2022447
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 05:12	WG2022447
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 05:12	WG2022447
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 05:12	WG2022447
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 05:12	WG2022447
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 05:12	WG2022447
1,1-Dichloroethane	U	C3	0.100	1.00	1	03/14/2023 05:12	WG2022447
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 05:12	WG2022447
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 05:12	WG2022447
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 05:12	WG2022447
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 05:12	WG2022447
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 05:12	WG2022447
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 05:12	WG2022447
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 05:12	WG2022447
Ethylbenzene	U		0.137	1.00	1	03/14/2023 05:12	WG2022447
2-Hexanone	U		0.787	10.0	1	03/14/2023 05:12	WG2022447
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 05:12	WG2022447
2-Butanone (MEK)	1.59	J	1.19	10.0	1	03/14/2023 05:12	WG2022447
Methyl Acetate	U		1.29	20.0	1	03/14/2023 05:12	WG2022447
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 05:12	WG2022447
Methylene Chloride	U		0.430	5.00	1	03/14/2023 05:12	WG2022447
4-Methyl-2-pentanone (MIBK)	2.43	J	0.478	10.0	1	03/14/2023 05:12	WG2022447
Methyl tert-butyl ether	8.73		0.101	1.00	1	03/14/2023 05:12	WG2022447
Styrene	U		0.118	1.00	1	03/14/2023 05:12	WG2022447
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 05:12	WG2022447
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 05:12	WG2022447
Toluene	U		0.278	1.00	1	03/14/2023 05:12	WG2022447
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/14/2023 05:12	WG2022447
1,2,4-Trichlorobenzene	U		0.481	1.00	1	03/14/2023 05:12	WG2022447
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 05:12	WG2022447
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 05:12	WG2022447
Trichloroethene	U		0.190	1.00	1	03/14/2023 05:12	WG2022447
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 05:12	WG2022447
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 05:12	WG2022447
Vinyl chloride	U		0.234	1.00	1	03/14/2023 05:12	WG2022447
Xylenes, Total	U		0.174	3.00	1	03/14/2023 05:12	WG2022447
(S) Toluene-d8	*101*			*80.0-120*		*03/14/2023 05:12*	WG2022447
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*03/14/2023 05:12*	WG2022447
(S) 1,2-Dichloroethane-d4	*93.2*			*70.0-130*		*03/14/2023 05:12*	WG2022447

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	2080		15.0	50.0	1	03/16/2023 11:00	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	563000		20000	1	03/14/2023 12:12	WG2022542
Free Carbon Dioxide	59100	B T8	20000	1	03/14/2023 12:12	WG2022542

Sample Narrative:

L1594148-15 WG2022542: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	692	T8	15.0	50.0	1	03/12/2023 11:33	WG2021750

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		500	1000	10	03/15/2023 18:36	WG2021714

Sample Narrative:

L1594148-15 WG2021714: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	6210		250	500	10	03/13/2023 12:53	WG2022074

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2560000		37900	100000	100	03/17/2023 21:07	WG2025159
Sulfate	154000		5940	50000	10	03/17/2023 20:54	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6530		102	1000	1	03/16/2023 01:53	WG2022500

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2770		18.0	100	1	03/16/2023 11:00	WG2021986
Manganese	50.8		0.934	10.0	1	03/16/2023 11:00	WG2021986
Sodium	1500000		2520	15000	5	03/16/2023 16:57	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5990		2.91	10.0	1	03/15/2023 14:39	WG2023648
Ethane	225		4.07	13.0	1	03/15/2023 14:39	WG2023648

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethene	99.8		4.26	13.0	1	03/15/2023 14:39	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	03/15/2023 04:24	WG2023219
Benzene	8.10		0.0941	1.00	1	03/15/2023 04:24	WG2023219
Bromochloromethane	U		0.128	1.00	1	03/15/2023 04:24	WG2023219
Bromodichloromethane	U		0.136	1.00	1	03/15/2023 04:24	WG2023219
Bromoform	U		0.129	1.00	1	03/15/2023 04:24	WG2023219
Bromomethane	U		0.605	5.00	1	03/15/2023 04:24	WG2023219
Carbon disulfide	0.653	J	0.0962	1.00	1	03/15/2023 04:24	WG2023219
Carbon tetrachloride	U		0.128	1.00	1	03/15/2023 04:24	WG2023219
Chlorobenzene	U		0.116	1.00	1	03/15/2023 04:24	WG2023219
Chlorodibromomethane	U		0.140	1.00	1	03/15/2023 04:24	WG2023219
Chloroethane	U		0.192	5.00	1	03/15/2023 04:24	WG2023219
Chloroform	U		0.111	5.00	1	03/15/2023 04:24	WG2023219
Chloromethane	U		0.960	2.50	1	03/15/2023 04:24	WG2023219
Cyclohexane	U		0.188	1.00	1	03/15/2023 04:24	WG2023219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/15/2023 04:24	WG2023219
1,2-Dibromoethane	U		0.126	1.00	1	03/15/2023 04:24	WG2023219
1,2-Dichlorobenzene	U		0.107	1.00	1	03/15/2023 04:24	WG2023219
1,3-Dichlorobenzene	U		0.110	1.00	1	03/15/2023 04:24	WG2023219
1,4-Dichlorobenzene	U		0.120	1.00	1	03/15/2023 04:24	WG2023219
Dichlorodifluoromethane	U		0.374	5.00	1	03/15/2023 04:24	WG2023219
1,1-Dichloroethane	0.252	J	0.100	1.00	1	03/15/2023 04:24	WG2023219
1,2-Dichloroethane	U		0.0819	1.00	1	03/15/2023 04:24	WG2023219
1,1-Dichloroethene	U		0.188	1.00	1	03/15/2023 04:24	WG2023219
cis-1,2-Dichloroethene	0.218	J	0.126	1.00	1	03/15/2023 04:24	WG2023219
trans-1,2-Dichloroethene	7.77		0.149	1.00	1	03/15/2023 04:24	WG2023219
1,2-Dichloropropane	U		0.149	1.00	1	03/15/2023 04:24	WG2023219
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/15/2023 04:24	WG2023219
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/15/2023 04:24	WG2023219
Ethylbenzene	5.25		0.137	1.00	1	03/15/2023 04:24	WG2023219
2-Hexanone	U		0.787	10.0	1	03/15/2023 04:24	WG2023219
Isopropylbenzene	0.543	J	0.105	1.00	1	03/15/2023 04:24	WG2023219
2-Butanone (MEK)	U		1.19	10.0	1	03/15/2023 04:24	WG2023219
Methyl Acetate	U		1.29	20.0	1	03/15/2023 04:24	WG2023219
Methyl Cyclohexane	U		0.660	1.00	1	03/15/2023 04:24	WG2023219
Methylene Chloride	U		0.430	5.00	1	03/15/2023 04:24	WG2023219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/15/2023 04:24	WG2023219
Methyl tert-butyl ether	136		0.101	1.00	1	03/15/2023 04:24	WG2023219
Styrene	U		0.118	1.00	1	03/15/2023 04:24	WG2023219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/15/2023 04:24	WG2023219
Tetrachloroethene	U		0.300	1.00	1	03/15/2023 04:24	WG2023219
Toluene	0.643	J	0.278	1.00	1	03/15/2023 04:24	WG2023219
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	03/15/2023 04:24	WG2023219
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	03/15/2023 04:24	WG2023219
1,1,1-Trichloroethane	U		0.149	1.00	1	03/15/2023 04:24	WG2023219
1,1,2-Trichloroethane	U		0.158	1.00	1	03/15/2023 04:24	WG2023219
Trichloroethene	0.289	J	0.190	1.00	1	03/15/2023 04:24	WG2023219
Trichlorofluoromethane	U		0.160	5.00	1	03/15/2023 04:24	WG2023219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/15/2023 04:24	WG2023219
Vinyl chloride	U		0.234	1.00	1	03/15/2023 04:24	WG2023219
Xylenes, Total	7.30		0.174	3.00	1	03/15/2023 04:24	WG2023219
(S) Toluene-d8	*102*			*80.0-120*		*03/15/2023 04:24*	WG2023219

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	*94.3*			*77.0-126*		*03/15/2023 04:24*	WG2023219
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*03/15/2023 04:24*	WG2023219

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	245000		20000	1	03/13/2023 16:01	WG2020686
Free Carbon Dioxide	ND	T8	20000	1	03/13/2023 16:01	WG2020686

Sample Narrative:

L1594148-16 WG2020686: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	213000		3790	10000	10	03/17/2023 21:21	WG2025159
Sulfate	68600		5940	50000	10	03/17/2023 21:21	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	12200		102	1000	1	03/16/2023 02:18	WG2022500

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	10400		29.1	100	10	03/16/2023 11:44	WG2024343
Ethane	14.5		4.07	13.0	1	03/15/2023 14:41	WG2023648
Ethene	U		4.26	13.0	1	03/15/2023 14:41	WG2023648

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	35.1	J	11.3	50.0	1	03/17/2023 06:46	WG2024732
Benzene	10.2		0.0941	1.00	1	03/17/2023 06:46	WG2024732
Bromochloromethane	U		0.128	1.00	1	03/17/2023 06:46	WG2024732
Bromodichloromethane	U		0.136	1.00	1	03/17/2023 06:46	WG2024732
Bromoform	U		0.129	1.00	1	03/17/2023 06:46	WG2024732
Bromomethane	U		0.605	5.00	1	03/17/2023 06:46	WG2024732
Carbon disulfide	1.02		0.0962	1.00	1	03/17/2023 06:46	WG2024732
Carbon tetrachloride	U		0.128	1.00	1	03/17/2023 06:46	WG2024732
Chlorobenzene	U		0.116	1.00	1	03/17/2023 06:46	WG2024732
Chlorodibromomethane	U		0.140	1.00	1	03/17/2023 06:46	WG2024732
Chloroethane	U		0.192	5.00	1	03/17/2023 06:46	WG2024732
Chloroform	U		0.111	5.00	1	03/17/2023 06:46	WG2024732
Chloromethane	U		0.960	2.50	1	03/17/2023 06:46	WG2024732
Cyclohexane	3.66		0.188	1.00	1	03/17/2023 06:46	WG2024732
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/17/2023 06:46	WG2024732
1,2-Dibromoethane	U		0.126	1.00	1	03/17/2023 06:46	WG2024732
1,2-Dichlorobenzene	U		0.107	1.00	1	03/17/2023 06:46	WG2024732
1,3-Dichlorobenzene	U		0.110	1.00	1	03/17/2023 06:46	WG2024732
1,4-Dichlorobenzene	U		0.120	1.00	1	03/17/2023 06:46	WG2024732
Dichlorodifluoromethane	U		0.374	5.00	1	03/17/2023 06:46	WG2024732
1,1-Dichloroethane	U		0.100	1.00	1	03/17/2023 06:46	WG2024732
1,2-Dichloroethane	U		0.0819	1.00	1	03/17/2023 06:46	WG2024732
1,1-Dichloroethene	U		0.188	1.00	1	03/17/2023 06:46	WG2024732
cis-1,2-Dichloroethene	0.177	J	0.126	1.00	1	03/17/2023 06:46	WG2024732
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/17/2023 06:46	WG2024732
1,2-Dichloropropane	U		0.149	1.00	1	03/17/2023 06:46	WG2024732
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/17/2023 06:46	WG2024732

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/17/2023 06:46	WG2024732
Ethylbenzene	0.933	J	0.137	1.00	1	03/17/2023 06:46	WG2024732
2-Hexanone	1.13	J	0.787	10.0	1	03/17/2023 06:46	WG2024732
Isopropylbenzene	4.26		0.105	1.00	1	03/17/2023 06:46	WG2024732
2-Butanone (MEK)	7.85	J	1.19	10.0	1	03/17/2023 06:46	WG2024732
Methyl Acetate	U		1.29	20.0	1	03/17/2023 06:46	WG2024732
Methyl Cyclohexane	3.74		0.660	1.00	1	03/17/2023 06:46	WG2024732
Methylene Chloride	U		0.430	5.00	1	03/17/2023 06:46	WG2024732
4-Methyl-2-pentanone (MIBK)	1.85	J	0.478	10.0	1	03/17/2023 06:46	WG2024732
Methyl tert-butyl ether	1.48		0.101	1.00	1	03/17/2023 06:46	WG2024732
Styrene	U		0.118	1.00	1	03/17/2023 06:46	WG2024732
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/17/2023 06:46	WG2024732
Tetrachloroethene	U		0.300	1.00	1	03/17/2023 06:46	WG2024732
Toluene	3.40		0.278	1.00	1	03/17/2023 06:46	WG2024732
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/17/2023 06:46	WG2024732
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	03/17/2023 06:46	WG2024732
1,1,1-Trichloroethane	U		0.149	1.00	1	03/17/2023 06:46	WG2024732
1,1,2-Trichloroethane	U		0.158	1.00	1	03/17/2023 06:46	WG2024732
Trichloroethene	U		0.190	1.00	1	03/17/2023 06:46	WG2024732
Trichlorofluoromethane	U		0.160	5.00	1	03/17/2023 06:46	WG2024732
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/17/2023 06:46	WG2024732
Vinyl chloride	U		0.234	1.00	1	03/17/2023 06:46	WG2024732
Xylenes, Total	5.85		0.174	3.00	1	03/17/2023 06:46	WG2024732
(S) Toluene-d8	*112*			*80.0-120*		*03/17/2023 06:46*	WG2024732
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*03/17/2023 06:46*	WG2024732
(S) 1,2-Dichloroethane-d4	*86.6*			*70.0-130*		*03/17/2023 06:46*	WG2024732

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	8470		15.0	50.0	1	03/16/2023 11:03	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	519000		20000	1	03/14/2023 12:15	WG2022542
Free Carbon Dioxide	57400	B T8	20000	1	03/14/2023 12:15	WG2022542

Sample Narrative:

L1594148-17 WG2022542: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	458	T8	15.0	50.0	1	03/12/2023 11:33	WG2021750

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		500	1000	10	03/15/2023 18:38	WG2021714

Sample Narrative:

L1594148-17 WG2021714: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	5440		250	500	10	03/13/2023 12:54	WG2022074

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2550000		37900	100000	100	03/17/2023 22:02	WG2025159
Sulfate	166000		5940	50000	10	03/17/2023 21:49	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	30200		102	1000	1	03/16/2023 02:45	WG2022500

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	8930		18.0	100	1	03/16/2023 11:03	WG2021986
Manganese	115		0.934	10.0	1	03/16/2023 11:03	WG2021986
Sodium	1550000		2520	15000	5	03/16/2023 16:59	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5460		2.91	10.0	1	03/15/2023 14:44	WG2023648
Ethane	209		4.07	13.0	1	03/15/2023 14:44	WG2023648

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethene	93.8		4.26	13.0	1	03/15/2023 14:44	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		113	500	10	03/15/2023 05:03	WG2023219
Benzene	6.96	J	0.941	10.0	10	03/15/2023 05:03	WG2023219
Bromochloromethane	U		1.28	10.0	10	03/15/2023 05:03	WG2023219
Bromodichloromethane	U		1.36	10.0	10	03/15/2023 05:03	WG2023219
Bromoform	U		1.29	10.0	10	03/15/2023 05:03	WG2023219
Bromomethane	U		6.05	50.0	10	03/15/2023 05:03	WG2023219
Carbon disulfide	U		0.962	10.0	10	03/15/2023 05:03	WG2023219
Carbon tetrachloride	U		1.28	10.0	10	03/15/2023 05:03	WG2023219
Chlorobenzene	U		1.16	10.0	10	03/15/2023 05:03	WG2023219
Chlorodibromomethane	U		1.40	10.0	10	03/15/2023 05:03	WG2023219
Chloroethane	U		1.92	50.0	10	03/15/2023 05:03	WG2023219
Chloroform	U		1.11	50.0	10	03/15/2023 05:03	WG2023219
Chloromethane	U		9.60	25.0	10	03/15/2023 05:03	WG2023219
Cyclohexane	U		1.88	10.0	10	03/15/2023 05:03	WG2023219
1,2-Dibromo-3-Chloropropane	U		2.76	50.0	10	03/15/2023 05:03	WG2023219
1,2-Dibromoethane	U		1.26	10.0	10	03/15/2023 05:03	WG2023219
1,2-Dichlorobenzene	U		1.07	10.0	10	03/15/2023 05:03	WG2023219
1,3-Dichlorobenzene	U		1.10	10.0	10	03/15/2023 05:03	WG2023219
1,4-Dichlorobenzene	U		1.20	10.0	10	03/15/2023 05:03	WG2023219
Dichlorodifluoromethane	U		3.74	50.0	10	03/15/2023 05:03	WG2023219
1,1-Dichloroethane	U		1.00	10.0	10	03/15/2023 05:03	WG2023219
1,2-Dichloroethane	U		0.819	10.0	10	03/15/2023 05:03	WG2023219
1,1-Dichloroethene	U		1.88	10.0	10	03/15/2023 05:03	WG2023219
cis-1,2-Dichloroethene	U		1.26	10.0	10	03/15/2023 05:03	WG2023219
trans-1,2-Dichloroethene	6.02	J	1.49	10.0	10	03/15/2023 05:03	WG2023219
1,2-Dichloropropane	U		1.49	10.0	10	03/15/2023 05:03	WG2023219
cis-1,3-Dichloropropene	U		1.11	10.0	10	03/15/2023 05:03	WG2023219
trans-1,3-Dichloropropene	U		1.18	10.0	10	03/15/2023 05:03	WG2023219
Ethylbenzene	4.01	J	1.37	10.0	10	03/15/2023 05:03	WG2023219
2-Hexanone	U		7.87	100	10	03/15/2023 05:03	WG2023219
Isopropylbenzene	U		1.05	10.0	10	03/15/2023 05:03	WG2023219
2-Butanone (MEK)	U		11.9	100	10	03/15/2023 05:03	WG2023219
Methyl Acetate	U		12.9	200	10	03/15/2023 05:03	WG2023219
Methyl Cyclohexane	U		6.60	10.0	10	03/15/2023 05:03	WG2023219
Methylene Chloride	U		4.30	50.0	10	03/15/2023 05:03	WG2023219
4-Methyl-2-pentanone (MIBK)	U		4.78	100	10	03/15/2023 05:03	WG2023219
Methyl tert-butyl ether	127		1.01	10.0	10	03/15/2023 05:03	WG2023219
Styrene	U		1.18	10.0	10	03/15/2023 05:03	WG2023219
1,1,2,2-Tetrachloroethane	U		1.33	10.0	10	03/15/2023 05:03	WG2023219
Tetrachloroethene	U		3.00	10.0	10	03/15/2023 05:03	WG2023219
Toluene	U		2.78	10.0	10	03/15/2023 05:03	WG2023219
1,2,3-Trichlorobenzene	U	C3	2.30	10.0	10	03/15/2023 05:03	WG2023219
1,2,4-Trichlorobenzene	U	C3	4.81	10.0	10	03/15/2023 05:03	WG2023219
1,1,1-Trichloroethane	U		1.49	10.0	10	03/15/2023 05:03	WG2023219
1,1,2-Trichloroethane	U		1.58	10.0	10	03/15/2023 05:03	WG2023219
Trichloroethene	U		1.90	10.0	10	03/15/2023 05:03	WG2023219
Trichlorofluoromethane	U		1.60	50.0	10	03/15/2023 05:03	WG2023219
1,1,2-Trichlorotrifluoroethane	U		1.80	10.0	10	03/15/2023 05:03	WG2023219
Vinyl chloride	U		2.34	10.0	10	03/15/2023 05:03	WG2023219
Xylenes, Total	5.77	J	1.74	30.0	10	03/15/2023 05:03	WG2023219
(S) Toluene-d8	*102*			*80.0-120*		*03/15/2023 05:03*	WG2023219

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	*93.6*			*77.0-126*		*03/15/2023 05:03*	WG2023219
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*		*03/15/2023 05:03*	WG2023219

Sample Narrative:

L1594148-17 WG2023219: Target compounds too high to run at a lower dilution.

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U		15.0	50.0	1	03/16/2023 11:06	WG2021986

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alkalinity	U		20000	1	03/14/2023 12:19	WG2022542
Free Carbon Dioxide	ND	T8	20000	1	03/14/2023 12:19	WG2022542

Sample Narrative:
L1594148-18 WG2022542: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	17.0	J T8	15.0	50.0	1	03/12/2023 11:34	WG2021750

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	03/15/2023 18:43	WG2021714

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	03/13/2023 12:54	WG2022074

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	U		379	1000	1	03/17/2023 22:16	WG2025159
Sulfate	U		594	5000	1	03/17/2023 22:16	WG2025159

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	589	B J	102	1000	1	03/16/2023 03:41	WG2022500

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	20.6	B J	18.0	100	1	03/16/2023 11:06	WG2021986
Manganese	U		0.934	10.0	1	03/16/2023 11:06	WG2021986
Sodium	2890	J	504	3000	1	03/16/2023 11:06	WG2021986

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		2.91	10.0	1	03/15/2023 14:51	WG2023648
Ethane	U		4.07	13.0	1	03/15/2023 14:51	WG2023648
Ethene	U		4.26	13.0	1	03/15/2023 14:51	WG2023648

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	03/15/2023 00:13	WG2023219
Benzene	U		0.0941	1.00	1	03/15/2023 00:13	WG2023219
Bromochloromethane	U		0.128	1.00	1	03/15/2023 00:13	WG2023219
Bromodichloromethane	U		0.136	1.00	1	03/15/2023 00:13	WG2023219
Bromoform	U		0.129	1.00	1	03/15/2023 00:13	WG2023219
Bromomethane	U		0.605	5.00	1	03/15/2023 00:13	WG2023219
Carbon disulfide	U		0.0962	1.00	1	03/15/2023 00:13	WG2023219
Carbon tetrachloride	U		0.128	1.00	1	03/15/2023 00:13	WG2023219
Chlorobenzene	U		0.116	1.00	1	03/15/2023 00:13	WG2023219
Chlorodibromomethane	U		0.140	1.00	1	03/15/2023 00:13	WG2023219
Chloroethane	U		0.192	5.00	1	03/15/2023 00:13	WG2023219
Chloroform	U		0.111	5.00	1	03/15/2023 00:13	WG2023219
Chloromethane	U		0.960	2.50	1	03/15/2023 00:13	WG2023219
Cyclohexane	U		0.188	1.00	1	03/15/2023 00:13	WG2023219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/15/2023 00:13	WG2023219
1,2-Dibromoethane	U		0.126	1.00	1	03/15/2023 00:13	WG2023219
1,2-Dichlorobenzene	U		0.107	1.00	1	03/15/2023 00:13	WG2023219
1,3-Dichlorobenzene	U		0.110	1.00	1	03/15/2023 00:13	WG2023219
1,4-Dichlorobenzene	U		0.120	1.00	1	03/15/2023 00:13	WG2023219
Dichlorodifluoromethane	U		0.374	5.00	1	03/15/2023 00:13	WG2023219
1,1-Dichloroethane	U		0.100	1.00	1	03/15/2023 00:13	WG2023219
1,2-Dichloroethane	U		0.0819	1.00	1	03/15/2023 00:13	WG2023219
1,1-Dichloroethene	U		0.188	1.00	1	03/15/2023 00:13	WG2023219
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/15/2023 00:13	WG2023219
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/15/2023 00:13	WG2023219
1,2-Dichloropropane	U		0.149	1.00	1	03/15/2023 00:13	WG2023219
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/15/2023 00:13	WG2023219
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/15/2023 00:13	WG2023219
Ethylbenzene	U		0.137	1.00	1	03/15/2023 00:13	WG2023219
2-Hexanone	U		0.787	10.0	1	03/15/2023 00:13	WG2023219
Isopropylbenzene	U		0.105	1.00	1	03/15/2023 00:13	WG2023219
2-Butanone (MEK)	U		1.19	10.0	1	03/15/2023 00:13	WG2023219
Methyl Acetate	U		1.29	20.0	1	03/15/2023 00:13	WG2023219
Methyl Cyclohexane	U		0.660	1.00	1	03/15/2023 00:13	WG2023219
Methylene Chloride	U		0.430	5.00	1	03/15/2023 00:13	WG2023219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/15/2023 00:13	WG2023219
Methyl tert-butyl ether	U		0.101	1.00	1	03/15/2023 00:13	WG2023219
Styrene	U		0.118	1.00	1	03/15/2023 00:13	WG2023219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/15/2023 00:13	WG2023219
Tetrachloroethene	U		0.300	1.00	1	03/15/2023 00:13	WG2023219
Toluene	U		0.278	1.00	1	03/15/2023 00:13	WG2023219
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	03/15/2023 00:13	WG2023219
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	03/15/2023 00:13	WG2023219
1,1,1-Trichloroethane	U		0.149	1.00	1	03/15/2023 00:13	WG2023219
1,1,2-Trichloroethane	U		0.158	1.00	1	03/15/2023 00:13	WG2023219
Trichloroethene	U		0.190	1.00	1	03/15/2023 00:13	WG2023219
Trichlorofluoromethane	U		0.160	5.00	1	03/15/2023 00:13	WG2023219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/15/2023 00:13	WG2023219
Vinyl chloride	U		0.234	1.00	1	03/15/2023 00:13	WG2023219
Xylenes, Total	U		0.174	3.00	1	03/15/2023 00:13	WG2023219
(S) Toluene-d8	*102*			*80.0-120*		*03/15/2023 00:13*	WG2023219
(S) 4-Bromofluorobenzene	*98.8*			*77.0-126*		*03/15/2023 00:13*	WG2023219
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*03/15/2023 00:13*	WG2023219

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	03/14/2023 23:05	WG2023219
Benzene	U		0.0941	1.00	1	03/14/2023 23:05	WG2023219
Bromochloromethane	U		0.128	1.00	1	03/14/2023 23:05	WG2023219
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 23:05	WG2023219
Bromoform	U		0.129	1.00	1	03/14/2023 23:05	WG2023219
Bromomethane	U		0.605	5.00	1	03/14/2023 23:05	WG2023219
Carbon disulfide	U		0.0962	1.00	1	03/14/2023 23:05	WG2023219
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 23:05	WG2023219
Chlorobenzene	U		0.116	1.00	1	03/14/2023 23:05	WG2023219
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 23:05	WG2023219
Chloroethane	U		0.192	5.00	1	03/14/2023 23:05	WG2023219
Chloroform	0.373	J	0.111	5.00	1	03/14/2023 23:05	WG2023219
Chloromethane	U		0.960	2.50	1	03/14/2023 23:05	WG2023219
Cyclohexane	U		0.188	1.00	1	03/14/2023 23:05	WG2023219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/14/2023 23:05	WG2023219
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 23:05	WG2023219
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 23:05	WG2023219
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 23:05	WG2023219
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 23:05	WG2023219
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 23:05	WG2023219
1,1-Dichloroethane	U		0.100	1.00	1	03/14/2023 23:05	WG2023219
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 23:05	WG2023219
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 23:05	WG2023219
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 23:05	WG2023219
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 23:05	WG2023219
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 23:05	WG2023219
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 23:05	WG2023219
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 23:05	WG2023219
Ethylbenzene	U		0.137	1.00	1	03/14/2023 23:05	WG2023219
2-Hexanone	U		0.787	10.0	1	03/14/2023 23:05	WG2023219
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 23:05	WG2023219
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 23:05	WG2023219
Methyl Acetate	U		1.29	20.0	1	03/14/2023 23:05	WG2023219
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 23:05	WG2023219
Methylene Chloride	U		0.430	5.00	1	03/14/2023 23:05	WG2023219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 23:05	WG2023219
Methyl tert-butyl ether	U		0.101	1.00	1	03/14/2023 23:05	WG2023219
Styrene	U		0.118	1.00	1	03/14/2023 23:05	WG2023219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 23:05	WG2023219
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 23:05	WG2023219
Toluene	U		0.278	1.00	1	03/14/2023 23:05	WG2023219
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	03/14/2023 23:05	WG2023219
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	03/14/2023 23:05	WG2023219
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 23:05	WG2023219
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 23:05	WG2023219
Trichloroethene	U		0.190	1.00	1	03/14/2023 23:05	WG2023219
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 23:05	WG2023219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 23:05	WG2023219
Vinyl chloride	U		0.234	1.00	1	03/14/2023 23:05	WG2023219
Xylenes, Total	U		0.174	3.00	1	03/14/2023 23:05	WG2023219
(S) Toluene-d8	*103*			*80.0-120*		*03/14/2023 23:05*	WG2023219
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*		*03/14/2023 23:05*	WG2023219
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*		*03/14/2023 23:05*	WG2023219

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	03/14/2023 23:25	WG2023219
Benzene	U		0.0941	1.00	1	03/14/2023 23:25	WG2023219
Bromochloromethane	U		0.128	1.00	1	03/14/2023 23:25	WG2023219
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 23:25	WG2023219
Bromoform	U		0.129	1.00	1	03/14/2023 23:25	WG2023219
Bromomethane	U		0.605	5.00	1	03/14/2023 23:25	WG2023219
Carbon disulfide	U		0.0962	1.00	1	03/14/2023 23:25	WG2023219
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 23:25	WG2023219
Chlorobenzene	U		0.116	1.00	1	03/14/2023 23:25	WG2023219
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 23:25	WG2023219
Chloroethane	U		0.192	5.00	1	03/14/2023 23:25	WG2023219
Chloroform	0.388	J	0.111	5.00	1	03/14/2023 23:25	WG2023219
Chloromethane	U		0.960	2.50	1	03/14/2023 23:25	WG2023219
Cyclohexane	U		0.188	1.00	1	03/14/2023 23:25	WG2023219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/14/2023 23:25	WG2023219
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 23:25	WG2023219
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 23:25	WG2023219
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 23:25	WG2023219
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 23:25	WG2023219
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 23:25	WG2023219
1,1-Dichloroethane	U		0.100	1.00	1	03/14/2023 23:25	WG2023219
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 23:25	WG2023219
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 23:25	WG2023219
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 23:25	WG2023219
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 23:25	WG2023219
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 23:25	WG2023219
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 23:25	WG2023219
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 23:25	WG2023219
Ethylbenzene	U		0.137	1.00	1	03/14/2023 23:25	WG2023219
2-Hexanone	U		0.787	10.0	1	03/14/2023 23:25	WG2023219
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 23:25	WG2023219
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 23:25	WG2023219
Methyl Acetate	U		1.29	20.0	1	03/14/2023 23:25	WG2023219
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 23:25	WG2023219
Methylene Chloride	U		0.430	5.00	1	03/14/2023 23:25	WG2023219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 23:25	WG2023219
Methyl tert-butyl ether	U		0.101	1.00	1	03/14/2023 23:25	WG2023219
Styrene	U		0.118	1.00	1	03/14/2023 23:25	WG2023219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 23:25	WG2023219
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 23:25	WG2023219
Toluene	U		0.278	1.00	1	03/14/2023 23:25	WG2023219
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	03/14/2023 23:25	WG2023219
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	03/14/2023 23:25	WG2023219
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 23:25	WG2023219
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 23:25	WG2023219
Trichloroethene	U		0.190	1.00	1	03/14/2023 23:25	WG2023219
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 23:25	WG2023219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 23:25	WG2023219
Vinyl chloride	U		0.234	1.00	1	03/14/2023 23:25	WG2023219
Xylenes, Total	U		0.174	3.00	1	03/14/2023 23:25	WG2023219
(S) Toluene-d8	*104*			*80.0-120*		*03/14/2023 23:25*	WG2023219
(S) 4-Bromofluorobenzene	*93.6*			*77.0-126*		*03/14/2023 23:25*	WG2023219
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*03/14/2023 23:25*	WG2023219

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	03/14/2023 23:44	WG2023219
Benzene	U		0.0941	1.00	1	03/14/2023 23:44	WG2023219
Bromochloromethane	U		0.128	1.00	1	03/14/2023 23:44	WG2023219
Bromodichloromethane	U		0.136	1.00	1	03/14/2023 23:44	WG2023219
Bromoform	U		0.129	1.00	1	03/14/2023 23:44	WG2023219
Bromomethane	U		0.605	5.00	1	03/14/2023 23:44	WG2023219
Carbon disulfide	U		0.0962	1.00	1	03/14/2023 23:44	WG2023219
Carbon tetrachloride	U		0.128	1.00	1	03/14/2023 23:44	WG2023219
Chlorobenzene	U		0.116	1.00	1	03/14/2023 23:44	WG2023219
Chlorodibromomethane	U		0.140	1.00	1	03/14/2023 23:44	WG2023219
Chloroethane	U		0.192	5.00	1	03/14/2023 23:44	WG2023219
Chloroform	0.270	J	0.111	5.00	1	03/14/2023 23:44	WG2023219
Chloromethane	U		0.960	2.50	1	03/14/2023 23:44	WG2023219
Cyclohexane	U		0.188	1.00	1	03/14/2023 23:44	WG2023219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/14/2023 23:44	WG2023219
1,2-Dibromoethane	U		0.126	1.00	1	03/14/2023 23:44	WG2023219
1,2-Dichlorobenzene	U		0.107	1.00	1	03/14/2023 23:44	WG2023219
1,3-Dichlorobenzene	U		0.110	1.00	1	03/14/2023 23:44	WG2023219
1,4-Dichlorobenzene	U		0.120	1.00	1	03/14/2023 23:44	WG2023219
Dichlorodifluoromethane	U		0.374	5.00	1	03/14/2023 23:44	WG2023219
1,1-Dichloroethane	U		0.100	1.00	1	03/14/2023 23:44	WG2023219
1,2-Dichloroethane	U		0.0819	1.00	1	03/14/2023 23:44	WG2023219
1,1-Dichloroethene	U		0.188	1.00	1	03/14/2023 23:44	WG2023219
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/14/2023 23:44	WG2023219
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/14/2023 23:44	WG2023219
1,2-Dichloropropane	U		0.149	1.00	1	03/14/2023 23:44	WG2023219
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/14/2023 23:44	WG2023219
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/14/2023 23:44	WG2023219
Ethylbenzene	U		0.137	1.00	1	03/14/2023 23:44	WG2023219
2-Hexanone	U		0.787	10.0	1	03/14/2023 23:44	WG2023219
Isopropylbenzene	U		0.105	1.00	1	03/14/2023 23:44	WG2023219
2-Butanone (MEK)	U		1.19	10.0	1	03/14/2023 23:44	WG2023219
Methyl Acetate	U		1.29	20.0	1	03/14/2023 23:44	WG2023219
Methyl Cyclohexane	U		0.660	1.00	1	03/14/2023 23:44	WG2023219
Methylene Chloride	U		0.430	5.00	1	03/14/2023 23:44	WG2023219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/14/2023 23:44	WG2023219
Methyl tert-butyl ether	U		0.101	1.00	1	03/14/2023 23:44	WG2023219
Styrene	U		0.118	1.00	1	03/14/2023 23:44	WG2023219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/14/2023 23:44	WG2023219
Tetrachloroethene	U		0.300	1.00	1	03/14/2023 23:44	WG2023219
Toluene	U		0.278	1.00	1	03/14/2023 23:44	WG2023219
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	03/14/2023 23:44	WG2023219
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	03/14/2023 23:44	WG2023219
1,1,1-Trichloroethane	U		0.149	1.00	1	03/14/2023 23:44	WG2023219
1,1,2-Trichloroethane	U		0.158	1.00	1	03/14/2023 23:44	WG2023219
Trichloroethene	U		0.190	1.00	1	03/14/2023 23:44	WG2023219
Trichlorofluoromethane	U		0.160	5.00	1	03/14/2023 23:44	WG2023219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/14/2023 23:44	WG2023219
Vinyl chloride	U		0.234	1.00	1	03/14/2023 23:44	WG2023219
Xylenes, Total	U		0.174	3.00	1	03/14/2023 23:44	WG2023219
(S) Toluene-d8	*105*			*80.0-120*		*03/14/2023 23:44*	WG2023219
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*03/14/2023 23:44*	WG2023219
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*03/14/2023 23:44*	WG2023219

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	C3	11.3	50.0	1	03/15/2023 15:01	WG2023811
Benzene	U		0.0941	1.00	1	03/15/2023 15:01	WG2023811
Bromochloromethane	U		0.128	1.00	1	03/15/2023 15:01	WG2023811
Bromodichloromethane	U		0.136	1.00	1	03/15/2023 15:01	WG2023811
Bromoform	U		0.129	1.00	1	03/15/2023 15:01	WG2023811
Bromomethane	U		0.605	5.00	1	03/15/2023 15:01	WG2023811
Carbon disulfide	U		0.0962	1.00	1	03/15/2023 15:01	WG2023811
Carbon tetrachloride	U		0.128	1.00	1	03/15/2023 15:01	WG2023811
Chlorobenzene	U		0.116	1.00	1	03/15/2023 15:01	WG2023811
Chlorodibromomethane	U		0.140	1.00	1	03/15/2023 15:01	WG2023811
Chloroethane	U		0.192	5.00	1	03/15/2023 15:01	WG2023811
Chloroform	0.359	J	0.111	5.00	1	03/15/2023 15:01	WG2023811
Chloromethane	U		0.960	2.50	1	03/15/2023 15:01	WG2023811
Cyclohexane	U		0.188	1.00	1	03/15/2023 15:01	WG2023811
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/15/2023 15:01	WG2023811
1,2-Dibromoethane	U		0.126	1.00	1	03/15/2023 15:01	WG2023811
1,2-Dichlorobenzene	U		0.107	1.00	1	03/15/2023 15:01	WG2023811
1,3-Dichlorobenzene	U		0.110	1.00	1	03/15/2023 15:01	WG2023811
1,4-Dichlorobenzene	U		0.120	1.00	1	03/15/2023 15:01	WG2023811
Dichlorodifluoromethane	U		0.374	5.00	1	03/15/2023 15:01	WG2023811
1,1-Dichloroethane	U		0.100	1.00	1	03/15/2023 15:01	WG2023811
1,2-Dichloroethane	U		0.0819	1.00	1	03/15/2023 15:01	WG2023811
1,1-Dichloroethene	U		0.188	1.00	1	03/15/2023 15:01	WG2023811
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/15/2023 15:01	WG2023811
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/15/2023 15:01	WG2023811
1,2-Dichloropropane	U		0.149	1.00	1	03/15/2023 15:01	WG2023811
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/15/2023 15:01	WG2023811
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/15/2023 15:01	WG2023811
Ethylbenzene	U		0.137	1.00	1	03/15/2023 15:01	WG2023811
2-Hexanone	U	C3	0.787	10.0	1	03/15/2023 15:01	WG2023811
Isopropylbenzene	U		0.105	1.00	1	03/15/2023 15:01	WG2023811
2-Butanone (MEK)	U		1.19	10.0	1	03/15/2023 15:01	WG2023811
Methyl Acetate	U		1.29	20.0	1	03/15/2023 15:01	WG2023811
Methyl Cyclohexane	U		0.660	1.00	1	03/15/2023 15:01	WG2023811
Methylene Chloride	U		0.430	5.00	1	03/15/2023 15:01	WG2023811
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/15/2023 15:01	WG2023811
Methyl tert-butyl ether	U		0.101	1.00	1	03/15/2023 15:01	WG2023811
Styrene	U		0.118	1.00	1	03/15/2023 15:01	WG2023811
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/15/2023 15:01	WG2023811
Tetrachloroethene	0.584	B J	0.300	1.00	1	03/15/2023 15:01	WG2023811
Toluene	U		0.278	1.00	1	03/15/2023 15:01	WG2023811
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/15/2023 15:01	WG2023811
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	03/15/2023 15:01	WG2023811
1,1,1-Trichloroethane	U		0.149	1.00	1	03/15/2023 15:01	WG2023811
1,1,2-Trichloroethane	U		0.158	1.00	1	03/15/2023 15:01	WG2023811
Trichloroethene	U		0.190	1.00	1	03/15/2023 15:01	WG2023811
Trichlorofluoromethane	U		0.160	5.00	1	03/15/2023 15:01	WG2023811
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/15/2023 15:01	WG2023811
Vinyl chloride	U	C3	0.234	1.00	1	03/15/2023 15:01	WG2023811
Xylenes, Total	U		0.174	3.00	1	03/15/2023 15:01	WG2023811
(S) Toluene-d8	*111*			*80.0-120*		*03/15/2023 15:01*	WG2023811
(S) 4-Bromofluorobenzene	*86.8*			*77.0-126*		*03/15/2023 15:01*	WG2023811
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*03/15/2023 15:01*	WG2023811

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	C3	11.3	50.0	1	03/15/2023 14:41	WG2023811
Benzene	U		0.0941	1.00	1	03/15/2023 14:41	WG2023811
Bromochloromethane	U		0.128	1.00	1	03/15/2023 14:41	WG2023811
Bromodichloromethane	U		0.136	1.00	1	03/15/2023 14:41	WG2023811
Bromoform	U		0.129	1.00	1	03/15/2023 14:41	WG2023811
Bromomethane	U		0.605	5.00	1	03/15/2023 14:41	WG2023811
Carbon disulfide	U		0.0962	1.00	1	03/15/2023 14:41	WG2023811
Carbon tetrachloride	U		0.128	1.00	1	03/15/2023 14:41	WG2023811
Chlorobenzene	U		0.116	1.00	1	03/15/2023 14:41	WG2023811
Chlorodibromomethane	U		0.140	1.00	1	03/15/2023 14:41	WG2023811
Chloroethane	U		0.192	5.00	1	03/15/2023 14:41	WG2023811
Chloroform	0.262	J	0.111	5.00	1	03/15/2023 14:41	WG2023811
Chloromethane	U		0.960	2.50	1	03/15/2023 14:41	WG2023811
Cyclohexane	U		0.188	1.00	1	03/15/2023 14:41	WG2023811
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	03/15/2023 14:41	WG2023811
1,2-Dibromoethane	U		0.126	1.00	1	03/15/2023 14:41	WG2023811
1,2-Dichlorobenzene	U		0.107	1.00	1	03/15/2023 14:41	WG2023811
1,3-Dichlorobenzene	U		0.110	1.00	1	03/15/2023 14:41	WG2023811
1,4-Dichlorobenzene	U		0.120	1.00	1	03/15/2023 14:41	WG2023811
Dichlorodifluoromethane	U		0.374	5.00	1	03/15/2023 14:41	WG2023811
1,1-Dichloroethane	U		0.100	1.00	1	03/15/2023 14:41	WG2023811
1,2-Dichloroethane	U		0.0819	1.00	1	03/15/2023 14:41	WG2023811
1,1-Dichloroethene	U		0.188	1.00	1	03/15/2023 14:41	WG2023811
cis-1,2-Dichloroethene	U		0.126	1.00	1	03/15/2023 14:41	WG2023811
trans-1,2-Dichloroethene	U		0.149	1.00	1	03/15/2023 14:41	WG2023811
1,2-Dichloropropane	U		0.149	1.00	1	03/15/2023 14:41	WG2023811
cis-1,3-Dichloropropene	U		0.111	1.00	1	03/15/2023 14:41	WG2023811
trans-1,3-Dichloropropene	U		0.118	1.00	1	03/15/2023 14:41	WG2023811
Ethylbenzene	U		0.137	1.00	1	03/15/2023 14:41	WG2023811
2-Hexanone	U	C3	0.787	10.0	1	03/15/2023 14:41	WG2023811
Isopropylbenzene	U		0.105	1.00	1	03/15/2023 14:41	WG2023811
2-Butanone (MEK)	U		1.19	10.0	1	03/15/2023 14:41	WG2023811
Methyl Acetate	U		1.29	20.0	1	03/15/2023 14:41	WG2023811
Methyl Cyclohexane	U		0.660	1.00	1	03/15/2023 14:41	WG2023811
Methylene Chloride	U		0.430	5.00	1	03/15/2023 14:41	WG2023811
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	03/15/2023 14:41	WG2023811
Methyl tert-butyl ether	U		0.101	1.00	1	03/15/2023 14:41	WG2023811
Styrene	U		0.118	1.00	1	03/15/2023 14:41	WG2023811
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	03/15/2023 14:41	WG2023811
Tetrachloroethene	0.836	B J	0.300	1.00	1	03/15/2023 14:41	WG2023811
Toluene	U		0.278	1.00	1	03/15/2023 14:41	WG2023811
1,2,3-Trichlorobenzene	U		0.230	1.00	1	03/15/2023 14:41	WG2023811
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	03/15/2023 14:41	WG2023811
1,1,1-Trichloroethane	U		0.149	1.00	1	03/15/2023 14:41	WG2023811
1,1,2-Trichloroethane	U		0.158	1.00	1	03/15/2023 14:41	WG2023811
Trichloroethene	U		0.190	1.00	1	03/15/2023 14:41	WG2023811
Trichlorofluoromethane	U		0.160	5.00	1	03/15/2023 14:41	WG2023811
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	03/15/2023 14:41	WG2023811
Vinyl chloride	U	C3	0.234	1.00	1	03/15/2023 14:41	WG2023811
Xylenes, Total	U		0.174	3.00	1	03/15/2023 14:41	WG2023811
(S) Toluene-d8	*109*			*80.0-120*		*03/15/2023 14:41*	WG2023811
(S) 4-Bromofluorobenzene	*87.1*			*77.0-126*		*03/15/2023 14:41*	WG2023811
(S) 1,2-Dichloroethane-d4	*92.7*			*70.0-130*		*03/15/2023 14:41*	WG2023811

Method Blank (MB)

(MB) R3900615-1 03/13/23 14:07

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) R3900615-2 03/13/23 14:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Free Carbon Dioxide	18200	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1593262-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1593262-02 03/13/23 14:56 • (DUP) R3900615-4 03/13/23 15:00

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	1350000	1350000	1	0.669		20

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

L1593262-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1593262-02 03/13/23 14:56 • (DUP) R3900615-5 03/13/23 15:00

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	170000	164000	1	3.53		20

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

L1593587-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1593587-02 03/13/23 15:09 • (DUP) R3900615-6 03/13/23 15:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	2380000	2400000	1	0.936		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1593587-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1593587-02 03/13/23 15:09 • (DUP) R3900615-7 03/13/23 15:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	211000	230000	1	8.80		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3900615-3 03/13/23 14:33

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

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3901414-2 03/15/23 10:29

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) R3901414-3 03/15/23 10:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Free Carbon Dioxide	12500	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1593828-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1593828-01 03/15/23 11:19 • (DUP) R3901414-4 03/15/23 11:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	609000	602000	1	1.18		20

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

L1593828-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1593828-01 03/15/23 11:19 • (DUP) R3901414-5 03/15/23 11:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	116000	108000	1	7.45		20

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

L1594295-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1594295-01 03/15/23 12:34 • (DUP) R3901414-6 03/15/23 12:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	226000	226000	1	0.0470		20

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

L1594295-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1594295-01 03/15/23 12:34 • (DUP) R3901414-7 03/15/23 12:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	23900	23400	1	2.01		20

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

Laboratory Control Sample (LCS)

(LCS) R3901414-1 03/15/23 10:15

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

Sample Narrative:
LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3901410-2 03/15/23 10:26

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) R3901410-3 03/15/23 10:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Free Carbon Dioxide	11400	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1593715-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1593715-12 03/15/23 11:40 • (DUP) R3901410-4 03/15/23 12:04

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	70300	70900	1	0.954		20

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

L1593715-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1593715-12 03/15/23 11:40 • (DUP) R3901410-5 03/15/23 12:04

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

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

L1594148-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-04 03/15/23 13:20 • (DUP) R3901410-6 03/15/23 13:26

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	176000	175000	1	0.706		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1594148-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-04 03/15/23 13:20 • (DUP) R3901410-7 03/15/23 13:26

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	ND	ND	1	7.16		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3901410-1 03/15/23 10:17

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

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3900804-2 03/14/23 09:56

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) R3900804-3 03/14/23 09:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Free Carbon Dioxide	16200	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1594148-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-09 03/14/23 11:40 • (DUP) R3900804-4 03/14/23 11:45

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	432000	432000	1	0.0104		20

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

L1594148-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-09 03/14/23 11:40 • (DUP) R3900804-5 03/14/23 11:45

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	88000	81900	1	7.13		20

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

L1594148-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-13 03/14/23 12:14 • (DUP) R3900804-6 03/14/23 12:18

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	466000	467000	1	0.182		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1594148-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-13 03/14/23 12:14 • (DUP) R3900804-7 03/14/23 12:18

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	69500	66900	1	3.76		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3900804-1 03/14/23 09:48

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

Sample Narrative:

LCS: Endpoint pH 4.5

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

Method Blank (MB)

(MB) R3900806-1 03/14/23 10:06

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) R3900806-2 03/14/23 10:06

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

Sample Narrative:
BLANK: Endpoint pH 4.5

L1594148-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-14 03/14/23 11:41 • (DUP) R3900806-4 03/14/23 12:01

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	669000	646000	1	3.49		20

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

L1594148-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-14 03/14/23 11:41 • (DUP) R3900806-5 03/14/23 12:01

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Free Carbon Dioxide	98000	95000	1	3.05		20

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

L1594148-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-18 03/14/23 12:19 • (DUP) R3900806-6 03/14/23 12:22

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

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

L1594148-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-18 03/14/23 12:19 • (DUP) R3900806-7 03/14/23 12:22

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

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

Laboratory Control Sample (LCS)

(LCS) R3900806-3 03/14/23 10:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	92900	92.9	90.0-110	

Sample Narrative:
LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3900054-1 03/12/23 08:55

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

L1592652-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1592652-01 03/12/23 08:56 • (DUP) R3900054-3 03/12/23 08:58

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ferrous Iron	28.0	28.0	1	0.000	J	20

L1594148-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-07 03/12/23 09:53 • (DUP) R3900054-6 03/12/23 09:53

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ferrous Iron	677	695	1	2.62		20

Laboratory Control Sample (LCS)

(LCS) R3900054-2 03/12/23 08:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ferrous Iron	1000	918	91.8	85.0-115	

L1593828-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1593828-02 03/12/23 09:47 • (MS) R3900054-4 03/12/23 09:47 • (MSD) R3900054-5 03/12/23 09:47

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 %
Ferrous Iron	1000	448	1460	1450	101	101	1	80.0-120			0.480	20

Method Blank (MB)

(MB) R3900065-1 03/12/23 11:08

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

L1594023-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1594023-01 03/12/23 11:13 • (DUP) R3900065-3 03/12/23 11:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Ferrous Iron	221	220	1	0.454		20

L1594148-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-18 03/12/23 11:34 • (DUP) R3900065-6 03/12/23 11:48

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Ferrous Iron	17.0	20.0	1	16.2	J	20

Laboratory Control Sample (LCS)

(LCS) R3900065-2 03/12/23 11:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Ferrous Iron	1000	936	93.6	85.0-115	

L1594148-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594148-12 03/12/23 11:25 • (MS) R3900065-4 03/12/23 11:25 • (MSD) R3900065-5 03/12/23 11:26

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1000	258	1280	1280	102	102	1	80.0-120			0.156	20

Method Blank (MB)

(MB) R3901069-1 03/15/23 00:06

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

L1594301-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1594301-01 03/15/23 00:39 • (DUP) R3901069-3 03/15/23 00:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate-Nitrite	296	300	1	1.34		20

L1594301-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1594301-02 03/15/23 00:44 • (DUP) R3901069-6 03/15/23 00:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate-Nitrite	295	302	1	2.35		20

Laboratory Control Sample (LCS)

(LCS) R3901069-2 03/15/23 00:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Nitrate-Nitrite	2500	2530	101	90.0-110	

L1594301-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594301-01 03/15/23 00:39 • (MS) R3901069-4 03/15/23 00:41 • (MSD) R3901069-5 03/15/23 00:43

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate-Nitrite	2500	296	2910	2850	105	102	1	90.0-110			2.08	20

L1594301-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1594301-02 03/15/23 00:44 • (MS) R3901069-7 03/15/23 00:46

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Nitrate-Nitrite	2500	295	2590	91.8	1	90.0-110	

Method Blank (MB)

(MB) R3901544-1 03/15/23 18:28

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

L1594387-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1594387-02 03/15/23 18:45 • (DUP) R3901544-3 03/15/23 18:47

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

L1594387-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1594387-05 03/15/23 18:53 • (DUP) R3901544-6 03/15/23 18:54

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	1290	1290	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3901544-2 03/15/23 18:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2500	2460	98.4	90.0-110	

L1594387-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594387-02 03/15/23 18:45 • (MS) R3901544-4 03/15/23 18:48 • (MSD) R3901544-5 03/15/23 18:49

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 %
Nitrate-Nitrite	2500	U	2500	2470	100	98.8	1	90.0-110			1.21	20

L1594387-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1594387-05 03/15/23 18:53 • (MS) R3901544-7 03/15/23 18:59

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2500	1290	3780	99.6	1	90.0-110	

Method Blank (MB)

(MB) R3900335-1 03/13/23 10:12

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

L1593794-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1593794-01 03/13/23 10:12 • (DUP) R3900335-3 03/13/23 10:12

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

L1594148-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-07 03/13/23 10:46 • (DUP) R3900335-6 03/13/23 11:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Sulfide	14000	13800	25	1.29		20

Laboratory Control Sample (LCS)

(LCS) R3900335-2 03/13/23 10:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Sulfide	500	476	95.2	85.0-115	

L1594037-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594037-01 03/13/23 10:44 • (MS) R3900335-4 03/13/23 10:44 • (MSD) R3900335-5 03/13/23 10:44

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	500	U	332	351	66.4	70.2	1	80.0-120	J6	J6	5.56	20

Sample Narrative:

MS: Spike failed due to matrix interference

MSD: Spike failed due to matrix interference

Method Blank (MB)

(MB) R3900402-1 03/13/23 12:18

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

L1594148-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-08 03/13/23 12:19 • (DUP) R3900402-3 03/13/23 12:19

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

Laboratory Control Sample (LCS)

(LCS) R3900402-2 03/13/23 12:18

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Sulfide	500	477	95.4	85.0-115	

L1594148-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594148-13 03/13/23 12:51 • (MS) R3900402-4 03/13/23 12:52 • (MSD) R3900402-5 03/13/23 12:53

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	500	U	435	449	87.0	89.8	1	80.0-120			3.17	20

Method Blank (MB)

(MB) R3902665-1 03/17/23 11:47

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

L1594148-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-06 03/17/23 13:08 • (DUP) R3902665-3 03/17/23 13:21

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	126000	125000	1	0.123		15
Sulfate	57200	57100	1	0.188		15

L1594148-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-18 03/17/23 22:16 • (DUP) R3902665-6 03/17/23 22:30

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

Laboratory Control Sample (LCS)

(LCS) R3902665-2 03/17/23 12:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39700	99.3	80.0-120	
Sulfate	40000	39400	98.5	80.0-120	

L1594148-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594148-06 03/17/23 13:08 • (MS) R3902665-4 03/17/23 13:35 • (MSD) R3902665-5 03/17/23 13:49

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	50000	126000	170000	170000	87.9	89.8	1	80.0-120			0.561	15
Sulfate	50000	57200	105000	105000	95.0	95.2	1	80.0-120			0.0598	15

L1594148-18 Original Sample (OS) • Matrix Spike (MS)

(OS) L1594148-18 03/17/23 22:16 • (MS) R3902665-7 03/17/23 22:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	U	49700	99.4	1	80.0-120	
Sulfate	50000	U	48700	97.5	1	80.0-120	

Method Blank (MB)

(MB) R3902873-1 03/19/23 14:57

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

L1596156-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1596156-03 03/19/23 18:36 • (DUP) R3902873-3 03/19/23 19:13

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	194000	195000	10	0.189		15

Laboratory Control Sample (LCS)

(LCS) R3902873-2 03/19/23 15:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39600	98.9	80.0-120	

L1596156-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1596156-03 03/19/23 18:36 • (MS) R3902873-4 03/19/23 19:26 • (MSD) R3902873-5 03/19/23 19:38

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	50000	194000	238000	236000	86.8	83.5	10	80.0-120			0.691	15

Method Blank (MB)

(MB) R3900761-2 03/14/23 00:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	368	J	102	1000

L1594045-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1594045-01 03/14/23 01:42 • (DUP) R3900761-3 03/14/23 02:00

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	13400	13100	1	2.27		20

L1594145-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1594145-03 03/14/23 05:38 • (DUP) R3900761-6 03/14/23 05:56

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	741	730	1	1.39	J	20

Laboratory Control Sample (LCS)

(LCS) R3900761-1 03/13/23 23:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	77800	104	85.0-115	

L1594145-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594145-02 03/14/23 04:30 • (MS) R3900761-4 03/14/23 04:52 • (MSD) R3900761-5 03/14/23 05:16

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 %
TOC (Total Organic Carbon)	50000	838	54000	55000	106	108	1	80.0-120			1.74	20

L1594145-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594145-07 03/14/23 07:16 • (MS) R3900761-7 03/14/23 08:17 • (MSD) R3900761-8 03/14/23 08:39

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	536	55900	55000	111	109	1	80.0-120			1.71	20

Method Blank (MB)

(MB) R3901042-2 03/14/23 10:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	652	J	102	1000

L1593828-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1593828-05 03/14/23 15:20 • (DUP) R3901042-6 03/14/23 15:36

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	442	394	1	11.5	J	20

Laboratory Control Sample (LCS)

(LCS) R3901042-1 03/14/23 10:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	75000	71800	95.8	85.0-115	

L1593917-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1593917-01 03/14/23 15:52 • (MS) R3901042-7 03/14/23 16:14 • (MSD) R3901042-8 03/14/23 16:36

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 %
TOC	50000	563	48100	48100	95.0	95.0	1	80.0-120			0.000	20

Method Blank (MB)

(MB) R3902124-2 03/15/23 22:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	381	J	102	1000

L1594148-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-13 03/16/23 00:47 • (DUP) R3902124-3 03/16/23 01:14

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	34000	33500	1	1.24		20

Laboratory Control Sample (LCS)

(LCS) R3902124-1 03/15/23 22:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	75000	72500	96.6	85.0-115	

L1594740-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594740-01 03/16/23 10:52 • (MS) R3902124-4 03/16/23 11:14 • (MSD) R3902124-5 03/16/23 11:35

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 %
TOC	50000	4460	48400	47400	87.8	85.9	1	80.0-120			1.96	20

L1594357-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594357-01 03/16/23 14:55 • (MS) R3902124-6 03/16/23 15:16 • (MSD) R3902124-7 03/16/23 15:38

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 %
TOC	500000	407000	847000	837000	87.9	85.9	10	80.0-120			1.16	20

Method Blank (MB)

(MB) R3902035-1 03/16/23 13:41

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) R3902035-2 03/16/23 13:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	10300	103	80.0-120	
Manganese	1000	959	95.9	80.0-120	
Sodium	10000	10000	100	80.0-120	

L1594080-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594080-15 03/16/23 13:47 • (MS) R3902035-4 03/16/23 13:57 • (MSD) R3902035-5 03/16/23 14:00

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	10000	U	10100	10200	101	102	1	75.0-125			0.828	20
Manganese	1000	11.4	946	943	93.4	93.1	1	75.0-125			0.313	20
Sodium	10000	18500	28500	28700	99.9	102	1	75.0-125			0.859	20

L1594080-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594080-16 03/16/23 14:03 • (MS) R3902035-6 03/16/23 14:06 • (MSD) R3902035-7 03/16/23 14:09

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	93.8	9970	10100	98.7	99.6	1	75.0-125			0.864	20
Manganese	1000	533	1440	1430	91.1	89.3	1	75.0-125			1.25	20
Sodium	10000	71400	79600	79000	82.3	76.5	1	75.0-125			0.733	20

Method Blank (MB)

(MB) R3901870-1 03/16/23 10:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	18.2	J	18.0	100
Manganese	U		0.934	10.0
Sodium	U		504	3000

Laboratory Control Sample (LCS)

(LCS) R3901870-2 03/16/23 10:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	10400	104	80.0-120	
Manganese	1000	1000	100	80.0-120	
Sodium	10000	10500	105	80.0-120	

L1594148-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594148-03 03/16/23 10:13 • (MS) R3901870-3 03/16/23 10:19 • (MSD) R3901870-4 03/16/23 10:22

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	828	11000	11000	101	102	1	75.0-125			0.324	20
Manganese	1000	65.0	1010	1010	94.2	94.8	1	75.0-125			0.618	20

L1594148-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1594148-03 03/16/23 16:21 • (MS) R3901870-6 03/16/23 16:27 • (MSD) R3901870-7 03/16/23 16:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sodium	10000	2110000	2220000	2350000	1060	2390	5	75.0-125	V	V	5.82	20

Method Blank (MB)

(MB) R3901286-2 03/15/23 10:14

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

L1593628-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1593628-03 03/15/23 10:24 • (DUP) R3901286-3 03/15/23 11:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	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

L1593715-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1593715-09 03/15/23 11:12 • (DUP) R3901286-4 03/15/23 11:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	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) R3901286-1 03/15/23 10:09 • (LCSD) R3901286-9 03/15/23 12:09

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	69.3	70.2	102	104	85.0-115			1.29	20
Ethane	129	123	123	95.3	95.3	85.0-115			0.000	20
Ethene	127	124	124	97.6	97.6	85.0-115			0.000	20

L1593628-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1593628-01 03/15/23 10:19 • (MS) R3901286-5 03/15/23 11:46 • (MSD) R3901286-6 03/15/23 11:53

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methane	67.8	U	85.7	83.4	126	123	1	50.0-150			2.72	20
Ethane	129	U	149	150	116	116	1	50.0-150			0.669	20
Ethene	127	U	149	150	117	118	1	50.0-150			0.669	20

L1593715-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1593715-12 03/15/23 11:20 • (MS) R3901286-7 03/15/23 11:58 • (MSD) R3901286-8 03/15/23 12:03

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methane	67.8	U	91.2	85.0	135	125	1	50.0-150			7.04	20
Ethane	129	U	158	144	122	112	1	50.0-150			9.27	20
Ethene	127	U	158	144	124	113	1	50.0-150			9.27	20

Method Blank (MB)

(MB) R3901479-2 03/15/23 13:50

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

L1594148-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1594148-04 03/15/23 13:52 • (DUP) R3901479-3 03/15/23 14:33

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

L1594295-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1594295-01 03/15/23 14:54 • (DUP) R3901479-4 03/15/23 16:06

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) R3901479-1 03/15/23 13:46 • (LCSD) R3901479-5 03/15/23 16:29

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 %
Methane	67.8	70.7	68.2	104	101	85.0-115			3.60	20
Ethane	129	123	121	95.3	93.8	85.0-115			1.64	20
Ethene	127	124	121	97.6	95.3	85.0-115			2.45	20

Method Blank (MB)

(MB) R3901919-2 03/16/23 11:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methane	U		2.91	10.0

L1594308-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1594308-08 03/16/23 12:01 • (DUP) R3901919-3 03/16/23 13:21

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

L1594308-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1594308-13 03/16/23 13:36 • (DUP) R3901919-4 03/16/23 14:27

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

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

(LCS) R3901919-1 03/16/23 11:33 • (LCSD) R3901919-5 03/16/23 14:30

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	66.9	63.5	98.7	93.7	85.0-115			5.21	20

Method Blank (MB)

(MB) R3901326-2 03/13/23 22:01

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

Method Blank (MB)

(MB) R3901326-2 03/13/23 22:01

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	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3901326-1 03/13/23 20:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	42.3	169	19.0-160	J4
Benzene	5.00	4.35	87.0	70.0-123	
Bromochloromethane	5.00	4.24	84.8	76.0-122	
Bromodichloromethane	5.00	4.02	80.4	75.0-120	
Bromoform	5.00	4.23	84.6	68.0-132	
Bromomethane	5.00	4.43	88.6	10.0-160	
Carbon disulfide	5.00	4.19	83.8	61.0-128	
Carbon tetrachloride	5.00	4.35	87.0	68.0-126	
Chlorobenzene	5.00	4.69	93.8	80.0-121	
Chlorodibromomethane	5.00	4.01	80.2	77.0-125	
Chloroethane	5.00	5.10	102	47.0-150	
Chloroform	5.00	3.99	79.8	73.0-120	
Chloromethane	5.00	5.06	101	41.0-142	
Cyclohexane	5.00	5.09	102	71.0-124	
1,2-Dibromo-3-Chloropropane	5.00	3.92	78.4	58.0-134	
1,2-Dibromoethane	5.00	4.72	94.4	80.0-122	
1,2-Dichlorobenzene	5.00	5.29	106	79.0-121	
1,3-Dichlorobenzene	5.00	4.99	99.8	79.0-120	
1,4-Dichlorobenzene	5.00	5.22	104	79.0-120	
Dichlorodifluoromethane	5.00	5.05	101	51.0-149	

Laboratory Control Sample (LCS)

(LCS) R3901326-1 03/13/23 20:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1-Dichloroethane	5.00	3.99	79.8	70.0-126	
1,2-Dichloroethane	5.00	4.02	80.4	70.0-128	
1,1-Dichloroethene	5.00	4.61	92.2	71.0-124	
cis-1,2-Dichloroethene	5.00	4.25	85.0	73.0-120	
trans-1,2-Dichloroethene	5.00	4.24	84.8	73.0-120	
1,2-Dichloropropane	5.00	4.63	92.6	77.0-125	
cis-1,3-Dichloropropene	5.00	4.20	84.0	80.0-123	
trans-1,3-Dichloropropene	5.00	4.14	82.8	78.0-124	
Ethylbenzene	5.00	5.21	104	79.0-123	
2-Hexanone	25.0	31.2	125	67.0-149	
Isopropylbenzene	5.00	5.26	105	76.0-127	
2-Butanone (MEK)	25.0	25.9	104	44.0-160	
Methyl Acetate	25.0	25.4	102	57.0-148	
Methyl Cyclohexane	5.00	5.32	106	68.0-126	
Methylene Chloride	5.00	4.46	89.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	28.2	113	68.0-142	
Methyl tert-butyl ether	5.00	4.39	87.8	68.0-125	
Styrene	5.00	4.86	97.2	73.0-130	
1,1,2,2-Tetrachloroethane	5.00	4.88	97.6	65.0-130	
Tetrachloroethene	5.00	4.89	97.8	72.0-132	
Toluene	5.00	4.49	89.8	79.0-120	
1,2,3-Trichlorobenzene	5.00	6.19	124	50.0-138	
1,2,4-Trichlorobenzene	5.00	5.72	114	57.0-137	
1,1,1-Trichloroethane	5.00	4.14	82.8	73.0-124	
1,1,2-Trichloroethane	5.00	4.81	96.2	80.0-120	
Trichloroethene	5.00	4.03	80.6	78.0-124	
Trichlorofluoromethane	5.00	5.15	103	59.0-147	
1,1,2-Trichlorotrifluoroethane	5.00	5.03	101	69.0-132	
Vinyl chloride	5.00	5.43	109	67.0-131	
Xylenes, Total	15.0	14.9	99.3	79.0-123	
(S) Toluene-d8			*104*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*93.3*	*70.0-130*	

Method Blank (MB)

(MB) R3901936-3 03/14/23 21:59

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

Method Blank (MB)

(MB) R3901936-3 03/14/23 21:59

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	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*91.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*97.0*			*70.0-130*

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

(LCS) R3901936-1 03/14/23 20:42 • (LCSD) R3901936-2 03/14/23 21:01

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	30.0	31.1	120	124	19.0-160			3.60	27
Benzene	5.00	5.30	5.24	106	105	70.0-123			1.14	20
Bromochloromethane	5.00	5.56	5.48	111	110	76.0-122			1.45	20
Bromodichloromethane	5.00	5.01	5.03	100	101	75.0-120			0.398	20
Bromoform	5.00	4.93	4.72	98.6	94.4	68.0-132			4.35	20
Bromomethane	5.00	4.92	4.66	98.4	93.2	10.0-160			5.43	25
Carbon disulfide	5.00	5.94	6.09	119	122	61.0-128			2.49	20
Carbon tetrachloride	5.00	5.35	5.57	107	111	68.0-126			4.03	20
Chlorobenzene	5.00	5.07	5.03	101	101	80.0-121			0.792	20
Chlorodibromomethane	5.00	4.88	4.80	97.6	96.0	77.0-125			1.65	20
Chloroethane	5.00	4.96	4.73	99.2	94.6	47.0-150			4.75	20
Chloroform	5.00	5.16	5.10	103	102	73.0-120			1.17	20
Chloromethane	5.00	6.08	5.67	122	113	41.0-142			6.98	20
Cyclohexane	5.00	5.49	5.79	110	116	71.0-124			5.32	20
1,2-Dibromo-3-Chloropropane	5.00	4.05	4.60	81.0	92.0	58.0-134			12.7	20
1,2-Dibromoethane	5.00	4.96	4.95	99.2	99.0	80.0-122			0.202	20
1,2-Dichlorobenzene	5.00	4.98	4.88	99.6	97.6	79.0-121			2.03	20
1,3-Dichlorobenzene	5.00	4.98	5.12	99.6	102	79.0-120			2.77	20
1,4-Dichlorobenzene	5.00	4.97	5.10	99.4	102	79.0-120			2.58	20
Dichlorodifluoromethane	5.00	5.60	5.54	112	111	51.0-149			1.08	20

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

(LCS) R3901936-1 03/14/23 20:42 • (LCSD) R3901936-2 03/14/23 21:01

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	5.22	5.25	104	105	70.0-126			0.573	20
1,2-Dichloroethane	5.00	5.09	5.07	102	101	70.0-128			0.394	20
1,1-Dichloroethene	5.00	5.73	6.05	115	121	71.0-124			5.43	20
cis-1,2-Dichloroethene	5.00	4.83	4.87	96.6	97.4	73.0-120			0.825	20
trans-1,2-Dichloroethene	5.00	5.30	5.15	106	103	73.0-120			2.87	20
1,2-Dichloropropane	5.00	5.44	5.32	109	106	77.0-125			2.23	20
cis-1,3-Dichloropropene	5.00	4.94	4.91	98.8	98.2	80.0-123			0.609	20
trans-1,3-Dichloropropene	5.00	4.76	4.48	95.2	89.6	78.0-124			6.06	20
Ethylbenzene	5.00	4.97	4.77	99.4	95.4	79.0-123			4.11	20
2-Hexanone	25.0	25.8	26.8	103	107	67.0-149			3.80	20
Isopropylbenzene	5.00	4.99	4.97	99.8	99.4	76.0-127			0.402	20
2-Butanone (MEK)	25.0	28.6	29.1	114	116	44.0-160			1.73	20
Methyl Acetate	25.0	31.6	31.6	126	126	57.0-148			0.000	20
Methyl Cyclohexane	5.00	5.66	6.16	113	123	68.0-126			8.46	20
Methylene Chloride	5.00	5.58	5.83	112	117	67.0-120			4.38	20
4-Methyl-2-pentanone (MIBK)	25.0	30.8	29.7	123	119	68.0-142			3.64	20
Methyl tert-butyl ether	5.00	5.14	5.30	103	106	68.0-125			3.07	20
Styrene	5.00	4.41	4.49	88.2	89.8	73.0-130			1.80	20
1,1,2,2-Tetrachloroethane	5.00	5.19	5.23	104	105	65.0-130			0.768	20
Tetrachloroethene	5.00	5.39	5.46	108	109	72.0-132			1.29	20
Toluene	5.00	5.23	4.98	105	99.6	79.0-120			4.90	20
1,2,3-Trichlorobenzene	5.00	2.63	3.15	52.6	63.0	50.0-138			18.0	20
1,2,4-Trichlorobenzene	5.00	3.40	3.82	68.0	76.4	57.0-137			11.6	20
1,1,1-Trichloroethane	5.00	5.20	5.42	104	108	73.0-124			4.14	20
1,1,2-Trichloroethane	5.00	5.15	5.15	103	103	80.0-120			0.000	20
Trichloroethene	5.00	5.48	5.25	110	105	78.0-124			4.29	20
Trichlorofluoromethane	5.00	5.64	5.92	113	118	59.0-147			4.84	20
1,1,2-Trichlorotrifluoroethane	5.00	6.06	6.17	121	123	69.0-132			1.80	20
Vinyl chloride	5.00	5.46	5.41	109	108	67.0-131			0.920	20
Xylenes, Total	15.0	14.8	14.5	98.7	96.7	79.0-123			2.05	20
(S) Toluene-d8				*103*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.3*	*92.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*100*	*96.1*	*70.0-130*				

Method Blank (MB)

(MB) R3901654-3 03/15/23 13:19

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	0.583	J	0.300	1.00

Method Blank (MB)

(MB) R3901654-3 03/15/23 13:19

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	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*87.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*

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

(LCS) R3901654-1 03/15/23 11:57 • (LCSD) R3901654-2 03/15/23 12:17

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	20.0	22.4	80.0	89.6	19.0-160			11.3	27
Benzene	5.00	5.06	5.02	101	100	70.0-123			0.794	20
Bromochloromethane	5.00	5.41	5.46	108	109	76.0-122			0.920	20
Bromodichloromethane	5.00	5.24	5.06	105	101	75.0-120			3.50	20
Bromoform	5.00	5.46	5.42	109	108	68.0-132			0.735	20
Bromomethane	5.00	5.14	4.87	103	97.4	10.0-160			5.39	25
Carbon disulfide	5.00	4.13	4.15	82.6	83.0	61.0-128			0.483	20
Carbon tetrachloride	5.00	4.83	5.11	96.6	102	68.0-126			5.63	20
Chlorobenzene	5.00	5.79	5.64	116	113	80.0-121			2.62	20
Chlorodibromomethane	5.00	5.54	5.47	111	109	77.0-125			1.27	20
Chloroethane	5.00	4.65	4.32	93.0	86.4	47.0-150			7.36	20
Chloroform	5.00	5.21	5.09	104	102	73.0-120			2.33	20
Chloromethane	5.00	4.12	4.20	82.4	84.0	41.0-142			1.92	20
Cyclohexane	5.00	4.35	4.51	87.0	90.2	71.0-124			3.61	20
1,2-Dibromo-3-Chloropropane	5.00	4.71	4.50	94.2	90.0	58.0-134			4.56	20
1,2-Dibromoethane	5.00	5.38	5.30	108	106	80.0-122			1.50	20
1,2-Dichlorobenzene	5.00	4.73	4.67	94.6	93.4	79.0-121			1.28	20
1,3-Dichlorobenzene	5.00	5.01	5.07	100	101	79.0-120			1.19	20
1,4-Dichlorobenzene	5.00	5.22	5.13	104	103	79.0-120			1.74	20
Dichlorodifluoromethane	5.00	5.28	4.98	106	99.6	51.0-149			5.85	20

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

(LCS) R3901654-1 03/15/23 11:57 • (LCSD) R3901654-2 03/15/23 12:17

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	4.46	4.36	89.2	87.2	70.0-126			2.27	20
1,2-Dichloroethane	5.00	4.72	4.61	94.4	92.2	70.0-128			2.36	20
1,1-Dichloroethene	5.00	4.62	4.80	92.4	96.0	71.0-124			3.82	20
cis-1,2-Dichloroethene	5.00	5.14	4.91	103	98.2	73.0-120			4.58	20
trans-1,2-Dichloroethene	5.00	5.13	4.91	103	98.2	73.0-120			4.38	20
1,2-Dichloropropane	5.00	4.59	4.58	91.8	91.6	77.0-125			0.218	20
cis-1,3-Dichloropropene	5.00	4.76	4.66	95.2	93.2	80.0-123			2.12	20
trans-1,3-Dichloropropene	5.00	4.82	4.75	96.4	95.0	78.0-124			1.46	20
Ethylbenzene	5.00	5.26	5.11	105	102	79.0-123			2.89	20
2-Hexanone	25.0	19.8	19.7	79.2	78.8	67.0-149			0.506	20
Isopropylbenzene	5.00	4.81	4.76	96.2	95.2	76.0-127			1.04	20
2-Butanone (MEK)	25.0	23.6	24.0	94.4	96.0	44.0-160			1.68	20
Methyl Acetate	25.0	21.0	22.5	84.0	90.0	57.0-148			6.90	20
Methyl Cyclohexane	5.00	4.45	4.29	89.0	85.8	68.0-126			3.66	20
Methylene Chloride	5.00	5.00	5.07	100	101	67.0-120			1.39	20
4-Methyl-2-pentanone (MIBK)	25.0	23.6	23.2	94.4	92.8	68.0-142			1.71	20
Methyl tert-butyl ether	5.00	4.45	4.47	89.0	89.4	68.0-125			0.448	20
Styrene	5.00	4.83	4.80	96.6	96.0	73.0-130			0.623	20
1,1,2,2-Tetrachloroethane	5.00	4.73	4.79	94.6	95.8	65.0-130			1.26	20
Tetrachloroethene	5.00	6.14	5.77	123	115	72.0-132			6.21	20
Toluene	5.00	5.30	5.30	106	106	79.0-120			0.000	20
1,2,3-Trichlorobenzene	5.00	4.04	3.92	80.8	78.4	50.0-138			3.02	20
1,2,4-Trichlorobenzene	5.00	3.95	3.89	79.0	77.8	57.0-137			1.53	20
1,1,1-Trichloroethane	5.00	5.06	4.93	101	98.6	73.0-124			2.60	20
1,1,2-Trichloroethane	5.00	5.58	5.66	112	113	80.0-120			1.42	20
Trichloroethene	5.00	5.58	5.45	112	109	78.0-124			2.36	20
Trichlorofluoromethane	5.00	5.74	5.73	115	115	59.0-147			0.174	20
1,1,2-Trichlorotrifluoroethane	5.00	4.87	4.84	97.4	96.8	69.0-132			0.618	20
Vinyl chloride	5.00	3.96	3.90	79.2	78.0	67.0-131			1.53	20
Xylenes, Total	15.0	15.4	15.1	103	101	79.0-123			1.97	20
(S) Toluene-d8				*110*	*112*	*80.0-120*				
(S) 4-Bromofluorobenzene				*90.8*	*90.3*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*90.9*	*89.3*	*70.0-130*				

Method Blank (MB)

(MB) R3901655-4 03/15/23 23:13

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
Toluene	U		0.278	1.00

Method Blank (MB)

(MB) R3901655-4 03/15/23 23:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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	*116*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*86.8*			*70.0-130*

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

(LCS) R3901655-1 03/15/23 21:31 • (LCSD) R3901655-2 03/15/23 21:52

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	27.3	21.1	109	84.4	19.0-160			25.6	27
Benzene	5.00	5.25	5.05	105	101	70.0-123			3.88	20
Bromochloromethane	5.00	5.99	5.69	120	114	76.0-122			5.14	20
Bromodichloromethane	5.00	5.29	5.03	106	101	75.0-120			5.04	20
Bromoform	5.00	6.13	5.95	123	119	68.0-132			2.98	20
Bromomethane	5.00	3.91	4.13	78.2	82.6	10.0-160			5.47	25
Carbon disulfide	5.00	4.37	4.07	87.4	81.4	61.0-128			7.11	20
Carbon tetrachloride	5.00	5.47	5.29	109	106	68.0-126			3.35	20
Chlorobenzene	5.00	6.22	6.03	124	121	80.0-121	J4		3.10	20
Chlorodibromomethane	5.00	5.90	5.83	118	117	77.0-125			1.19	20
Chloroethane	5.00	4.94	4.68	98.8	93.6	47.0-150			5.41	20
Chloroform	5.00	5.28	5.02	106	100	73.0-120			5.05	20
Chloromethane	5.00	4.97	4.53	99.4	90.6	41.0-142			9.26	20
Cyclohexane	5.00	4.96	4.54	99.2	90.8	71.0-124			8.84	20
1,2-Dibromo-3-Chloropropane	5.00	5.33	5.22	107	104	58.0-134			2.09	20
1,2-Dibromoethane	5.00	5.76	5.59	115	112	80.0-122			3.00	20
1,2-Dichlorobenzene	5.00	5.23	4.81	105	96.2	79.0-121			8.37	20
1,3-Dichlorobenzene	5.00	5.32	4.99	106	99.8	79.0-120			6.40	20
1,4-Dichlorobenzene	5.00	5.38	5.02	108	100	79.0-120			6.92	20
Dichlorodifluoromethane	5.00	5.10	5.06	102	101	51.0-149			0.787	20
1,1-Dichloroethane	5.00	4.49	4.32	89.8	86.4	70.0-126			3.86	20

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

(LCS) R3901655-1 03/15/23 21:31 • (LCSD) R3901655-2 03/15/23 21:52

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 %
1,2-Dichloroethane	5.00	4.67	4.57	93.4	91.4	70.0-128			2.16	20
1,1-Dichloroethene	5.00	5.13	4.80	103	96.0	71.0-124			6.65	20
cis-1,2-Dichloroethene	5.00	5.27	5.24	105	105	73.0-120			0.571	20
trans-1,2-Dichloroethene	5.00	5.48	5.10	110	102	73.0-120			7.18	20
1,2-Dichloropropane	5.00	4.73	4.56	94.6	91.2	77.0-125			3.66	20
cis-1,3-Dichloropropene	5.00	4.82	4.67	96.4	93.4	80.0-123			3.16	20
trans-1,3-Dichloropropene	5.00	4.87	4.77	97.4	95.4	78.0-124			2.07	20
Ethylbenzene	5.00	5.81	5.54	116	111	79.0-123			4.76	20
2-Hexanone	25.0	21.2	21.1	84.8	84.4	67.0-149			0.473	20
Isopropylbenzene	5.00	5.43	5.19	109	104	76.0-127			4.52	20
2-Butanone (MEK)	25.0	24.2	23.1	96.8	92.4	44.0-160			4.65	20
Methyl Acetate	25.0	23.5	20.5	94.0	82.0	57.0-148			13.6	20
Methyl Cyclohexane	5.00	4.74	4.41	94.8	88.2	68.0-126			7.21	20
Methylene Chloride	5.00	5.42	5.10	108	102	67.0-120			6.08	20
4-Methyl-2-pentanone (MIBK)	25.0	24.0	23.9	96.0	95.6	68.0-142			0.418	20
Methyl tert-butyl ether	5.00	4.89	4.60	97.8	92.0	68.0-125			6.11	20
Styrene	5.00	5.33	5.11	107	102	73.0-130			4.21	20
1,1,2,2-Tetrachloroethane	5.00	4.75	4.66	95.0	93.2	65.0-130			1.91	20
Toluene	5.00	5.56	5.46	111	109	79.0-120			1.81	20
1,2,3-Trichlorobenzene	5.00	4.34	4.30	86.8	86.0	50.0-138			0.926	20
1,2,4-Trichlorobenzene	5.00	4.38	4.12	87.6	82.4	57.0-137			6.12	20
1,1,1-Trichloroethane	5.00	5.37	5.05	107	101	73.0-124			6.14	20
1,1,2-Trichloroethane	5.00	5.74	5.68	115	114	80.0-120			1.05	20
Trichloroethene	5.00	5.88	5.62	118	112	78.0-124			4.52	20
Trichlorofluoromethane	5.00	6.03	5.83	121	117	59.0-147			3.37	20
1,1,2-Trichlorotrifluoroethane	5.00	5.34	5.00	107	100	69.0-132			6.58	20
Vinyl chloride	5.00	4.20	4.01	84.0	80.2	67.0-131			4.63	20
Xylenes, Total	15.0	17.3	16.7	115	111	79.0-123			3.53	20
(S) Toluene-d8				*112*	*114*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.6*	*95.7*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*89.2*	*87.8*	*70.0-130*				

Method Blank (MB)

(MB) R3902349-4 03/16/23 10:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Tetrachloroethene	U		0.300	1.00
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

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

(LCS) R3902349-1 03/16/23 08:44 • (LCSD) R3902349-2 03/16/23 09:03

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 %
Tetrachloroethene	5.00	5.77	5.70	115	114	72.0-132			1.22	20
(S) Toluene-d8				*103*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*94.8*	*94.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*103*	*70.0-130*				

Method Blank (MB)

(MB) R3902181-3 03/16/23 23:02

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

Method Blank (MB)

(MB) R3902181-3 03/16/23 23:02

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	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*89.5*			*70.0-130*

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

(LCS) R3902181-1 03/16/23 21:03 • (LCSD) R3902181-2 03/16/23 21:24

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	23.2	25.2	92.8	101	19.0-160			8.26	27
Benzene	5.00	5.19	4.97	104	99.4	70.0-123			4.33	20
Bromochloromethane	5.00	5.77	5.56	115	111	76.0-122			3.71	20
Bromodichloromethane	5.00	5.12	4.96	102	99.2	75.0-120			3.17	20
Bromoform	5.00	5.72	5.57	114	111	68.0-132			2.66	20
Bromomethane	5.00	4.88	4.75	97.6	95.0	10.0-160			2.70	25
Carbon disulfide	5.00	4.32	4.29	86.4	85.8	61.0-128			0.697	20
Carbon tetrachloride	5.00	5.26	5.26	105	105	68.0-126			0.000	20
Chlorobenzene	5.00	5.92	5.81	118	116	80.0-121			1.88	20
Chlorodibromomethane	5.00	5.75	5.58	115	112	77.0-125			3.00	20
Chloroethane	5.00	4.76	4.54	95.2	90.8	47.0-150			4.73	20
Chloroform	5.00	5.06	4.93	101	98.6	73.0-120			2.60	20
Chloromethane	5.00	4.66	4.35	93.2	87.0	41.0-142			6.88	20
Cyclohexane	5.00	4.62	4.65	92.4	93.0	71.0-124			0.647	20
1,2-Dibromo-3-Chloropropane	5.00	4.74	4.98	94.8	99.6	58.0-134			4.94	20
1,2-Dibromoethane	5.00	5.49	5.54	110	111	80.0-122			0.907	20
1,2-Dichlorobenzene	5.00	4.71	4.76	94.2	95.2	79.0-121			1.06	20
1,3-Dichlorobenzene	5.00	4.95	5.03	99.0	101	79.0-120			1.60	20
1,4-Dichlorobenzene	5.00	4.91	5.08	98.2	102	79.0-120			3.40	20
Dichlorodifluoromethane	5.00	5.32	5.27	106	105	51.0-149			0.944	20

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

(LCS) R3902181-1 03/16/23 21:03 • (LCSD) R3902181-2 03/16/23 21:24

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	4.35	4.30	87.0	86.0	70.0-126			1.16	20
1,2-Dichloroethane	5.00	4.66	4.53	93.2	90.6	70.0-128			2.83	20
1,1-Dichloroethene	5.00	4.66	4.84	93.2	96.8	71.0-124			3.79	20
cis-1,2-Dichloroethene	5.00	5.16	4.97	103	99.4	73.0-120			3.75	20
trans-1,2-Dichloroethene	5.00	5.17	5.06	103	101	73.0-120			2.15	20
1,2-Dichloropropane	5.00	4.56	4.58	91.2	91.6	77.0-125			0.438	20
cis-1,3-Dichloropropene	5.00	4.66	4.61	93.2	92.2	80.0-123			1.08	20
trans-1,3-Dichloropropene	5.00	4.75	4.66	95.0	93.2	78.0-124			1.91	20
Ethylbenzene	5.00	5.26	5.26	105	105	79.0-123			0.000	20
2-Hexanone	25.0	21.2	21.4	84.8	85.6	67.0-149			0.939	20
Isopropylbenzene	5.00	4.92	4.95	98.4	99.0	76.0-127			0.608	20
2-Butanone (MEK)	25.0	23.8	24.2	95.2	96.8	44.0-160			1.67	20
Methyl Acetate	25.0	21.7	21.6	86.8	86.4	57.0-148			0.462	20
Methyl Cyclohexane	5.00	4.44	4.52	88.8	90.4	68.0-126			1.79	20
Methylene Chloride	5.00	5.17	5.02	103	100	67.0-120			2.94	20
4-Methyl-2-pentanone (MIBK)	25.0	23.8	23.9	95.2	95.6	68.0-142			0.419	20
Methyl tert-butyl ether	5.00	4.91	4.66	98.2	93.2	68.0-125			5.22	20
Styrene	5.00	4.86	4.91	97.2	98.2	73.0-130			1.02	20
1,1,2,2-Tetrachloroethane	5.00	4.89	4.73	97.8	94.6	65.0-130			3.33	20
Tetrachloroethene	5.00	6.12	6.15	122	123	72.0-132			0.489	20
Toluene	5.00	5.50	5.43	110	109	79.0-120			1.28	20
1,2,3-Trichlorobenzene	5.00	4.09	4.02	81.8	80.4	50.0-138			1.73	20
1,2,4-Trichlorobenzene	5.00	3.89	3.97	77.8	79.4	57.0-137			2.04	20
1,1,1-Trichloroethane	5.00	5.08	4.99	102	99.8	73.0-124			1.79	20
1,1,2-Trichloroethane	5.00	5.71	5.55	114	111	80.0-120			2.84	20
Trichloroethene	5.00	5.55	5.54	111	111	78.0-124			0.180	20
Trichlorofluoromethane	5.00	5.75	5.88	115	118	59.0-147			2.24	20
1,1,2-Trichlorotrifluoroethane	5.00	4.86	4.90	97.2	98.0	69.0-132			0.820	20
Vinyl chloride	5.00	4.26	4.08	85.2	81.6	67.0-131			4.32	20
Xylenes, Total	15.0	15.8	15.9	105	106	79.0-123			0.631	20
(S) Toluene-d8				*113*	*111*	*80.0-120*				
(S) 4-Bromofluorobenzene				*93.1*	*92.0*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*89.8*	*88.1*	*70.0-130*				

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.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.
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	LAO000356
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

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:

Client Project # **30062947.19.45**

Lab Project # **CHEVARCNY-6518040**

Collected by (print): **A. Bell, L. Wright**

Site/Facility ID # **6518040**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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**

Analysis / Container / Preservative

Chain of Custody Page 1 of 4

Pace — PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L594148

Table B230

Acct: CHEVARCNY

Template: T182105

Prelogin: P985069

PM: 526 - Chris McCord

PB:

Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK,Cl,CO2,SULFATE 250mlHDPE-NoPres	FEICP,MNICP,NAICP 250mlHDPE-HNO3	FERUSFE,FERICFE 250mlAmb-HCl	NO2NO3 250mlHDPE-H2SO4	RSK175 40mlAmb HCl	SULFIDE 250mlAmb-S-NaOH+ZnAc	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	V8260TCLC-TripBlank 40mlAmb-HCl-Blk		Remarks	Sample # (lab only)
MW-27-D2-W-230309	G	GW		03/09/23	2120	11	X	X	X	X	X	X	X	X				-01
MW-28-D2R-W-230309	G	GW		03/09/23	2255	11	X	X	X	X	X	X	X	X				-02
MW-24-D2-W-230310	G	GW		03/10/23	0200	11	X	X	X	X	X	X	X	X				-03
MW-24-VDR-W-230310	G	GW		03/10/23	0255	11	X	X	X	X	X	X	X	X				-04
AMW-15-VD-W-230310	G	GW		03/10/23	0000	11	X	X	X	X	X	X	X	X				-05
AMW-7R-W-230310	G	GW		03/10/23	0350	11	X	X	X	X	X	X	X	X				-06
AMW-14-VD-W-		GW				11	X	X	X	X	X	X	X	X				
AMW-14-D2-W-		GW				11	X	X	X	X	X	X	X	X				
MW-28-D1-W-230309	G	GW		03/09/23	2230	11	X	X	X	X	X	X	X	X				-07
MW-26-D2-W-		GW				11	X	X	X	X	X	X	X	X				

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

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

	Date:	Time:			
Relinquished by : (Signature)	03/10/23	1830	Received by: (Signature)	Trip Blank Received: Yes / No; HCl / MeoH; TBR	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 7 °C Bottles Received: 194	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3.11.23 Time: 9:40	Hold: Condition: NCF / OK

Company Name/Address: **Arcadis - Chevron - NY**

Billing Information: **Attn: Accounts Payable, 630 Plaza Drive, Suite 600, Highlands Ranch, CO 80129**

Pres Chk

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:

Client Project # **30062947.19.45**

Lab Project # **CHEVARCNY-6518040**

Collected by (print): **A. Bell, L. Wright**

Site/Facility ID # **6518040**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK,Cl,CO2,SULFATE 250mlHDPE-NoPres	FEICP,MNICP,NAICP 250mlHDPE-HNO3	FERUSFE,FERICFE 250mlAmb-HCl	NO2NO3 250mlHDPE-H2SO4	RSK175 40mlAmb HCl	SULFIDE 250mlAmb-S-NaOH+ZnAc	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	V8260TCLC-TripBlank 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-23-D2R-W-		GW				11	X	X	X	X	X	X	X	X			
AMW-15-D2-W- 230310	G	GW		03/10/23	0045	11	X	X	X	X	X	X	X	X			-08
AMW-15-D3-W- 230309	G	GW		03/09/23	2350	11	X	X	X	X	X	X	X	X			-09
MW-23-D1R-W- 230309	G	GW		03/09/23	2205	11	X	X	X	X	X	X	X	X			-10
AMW-15-D1-W- 230310	G	GW		03/10/23	0100	11	X	X	X	X	X	X	X	X			-11
MW-27-D1R-W- 230309	G	GW		03/09/23	2130	11	X	X	X	X	X	X	X	X			-12
MW-26-D1-W- 230310	G	GW		03/10/23	0310	11	X	X	X	X	X	X	X	X			-13
MW-29-D1-W- 230310	G	GW		03/10/23	0415	11	X	X	X	X	X	X	X	X			-14
AMW-14-D1-W-		GW				11	X	X	X	X	X	X	X	X			
MW-24-D1R-W- 230310	G	GW		03/10/23	0135	11	X	X	X	X	X	X	X	X			-15

* 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 #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	03/10/23	1830	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			2

Trip Blank Received: Yes / No HCL / MeoH TBR

Temp: °C Bottles Received:

Date: 3.11.23 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

Chain of Custody Page 2 of 4

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122

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SDG # LF94148

Table #

Acctnum: **CHEVARCNY**

Template: **T182105**

Prelogin: **P985069**

PM: **526 - Chris McCord**

PB:

Shipped Via: **FedEX Ground**

Company Name/Address:
Arcadis - Chevron - NY

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

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:

Client Project #
30062947.19.45

Lab Project #
CHEVARCNY-6518040

Collected by (print):
A. Bell, L. Wright

Site/Facility ID #
6518040

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK,Cl,CO2,SULFATE 250mlHDPE-NoPres	FEICP,MNICP,NAICP 250mlHDPE-HNO3	FERUSFE,FERICFE 250mlAmb-HCl	NO2NO3 250mlHDPE-H2SO4	RSK175 40mlAmb HCl	SULFIDE 250mlAmb-S-NaOH+ZnAc	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	V8260TCLC-TripBlank 40mlAmb-HCl-Blk			Remarks	Sample # (lab only)
MW-18R-W-230309	G	GW		03/09/23	2040	11	X	X	X	X	X	X	X	X					-16
BD-W-230310	G	GW		03/10/23	—	11	X	X	X	X	X	X	X	X					-17
FB-W-230310	G	GW		03/10/23	0440	11	X	X	X	X	X	X	X	X					-18
FB-W-		GW				11	X	X	X	X	X	X	X	X					
FB-W-		GW				11	X	X	X	X	X	X	X	X					
		GW				11	X	X	X	X	X	X	X	X					
		GW				11	X	X	X	X	X	X	X	X					
		GW				11	X	X	X	X	X	X	X	X					
TB-W-230310	G	GW		03/10/23	—	1									X				-19
TB-W-230310	G	GW		03/10/23	—	1									X				-20

* 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 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:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	03/10/23	1830		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3.11.23 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 3 of 4

Pace
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MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L#941148

Table #

Acctnum: **CHEVARCNY**
Template: **T182105**
Prelogin: **P985069**
PM: **526 - Chris McCord**
PB:

Shipped Via: **FedEx Ground**

Company Name/Address:
Arcadis - Chevron - NY

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

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:

Client Project # 30062947.19.45

Lab Project # CHEVARCNY-6518040

Collected by (print): A. Bell, L. Wright

Site/Facility ID # 6518040

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK,Cl,CO2,SULFATE 250mlHDPE-NoPres	FEICP,MNICP,NAICP 250mlHDPE-HNO3	FERUSFE,FERICFE 250mlAmb-HCl	NO2NO3 250mlHDPE-H2SO4	RSK175 40mlAmb HCl	SULFIDE 250mlAmb-S-NaOH+ZnAc	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	V8260TCLC-TripBlank 40mlAmb-HCl-Blk		Remarks	Sample # (lab only)
TB-W-230310	G	GW		03/10/23	—	1									X			-21
TB-W-230310	G	GW		03/10/23	—													-22
TB-W-230310	G	GW		03/10/23	—													-23

Chain of Custody Page 4 of 4

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1594148

Table #

Acctnum: CHEVARCNY
Template: T182105
Prelogin: P985069
PM: 526 - Chris McCord
PB:

Shipped Via: FedEx Ground

* 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 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:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	03/10/23	1830			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3-11-23 Time: 9:00	Hold: Condition: NCF / OK

LI594KH8

Tracking Numbers	Temperature
6094 5480 2374	GBA71.4+0=1.4
6094 5480 2363	GBA70.3+0=0.3
6094 5480 2352	GBA71.6+0=1.6
6094 5480 2396	GBA72.6+0=2.6
6094 5480 2341	GBA70.4+0=0.4

3/11-NCF-L1594148 CHEVARCNY

R5

Time estimate: oh **Time spent:** oh

Members

Hailey Melson (responsible) Christopher McCord

Due on *15 March 2023 8:00 AM* for target *Done*

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [x] Date/Time: 3/11/23 16:40
- [x] PM initials: CM
- [ ] Client Contact:_____

Comments

Hailey Melson *11 March 2023 4:24 PM*

Missing the NO2NO3, FERUS, Sulfide, and FEICP containers for ID: MW-18R

Christopher McCord *11 March 2023 4:40 PM*

Client notified.

Hailey Melson *11 March 2023 5:22 PM*

Done