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Date: July 20, 2021
Our Ref: 30062947
Subject: **Second Quarter 2021 Groundwater Monitoring Report**
Chevron Facility #6518040
Former Gulf Oil Terminal
3705 Hampton Road, Oceanside, New York
NYSDEC Site #130165

Dear Mr. Scharf,

On behalf of Chevron Environmental Management Company (CEMC), Arcadis of New York, Inc. (Arcadis) has prepared this Second Quarter 2021 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 June 1 and 2, 2021 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 June 1, 2021, 35 monitoring wells (AMW-3, AMW-7R, 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, 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-D1R, MW-27-D2, 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 with a water interface probe.

Monitoring wells were gauged during low tide at the site on June 1, 2021. Measured depth-to-groundwater in the D1 horizon ranged from 5.65 feet below top of inner casing (btic) in MW-29-D1 to 10.88 feet btic in MW-31-D1R. Measured depth-to-groundwater in the D2 horizon ranged from 5.79 feet btic in MW-29-D2 to 10.95 feet btic in MW-23-D2R. Measured depth-to-groundwater in the VD horizon ranged from 5.28 feet btic in MW-29-VD to 10.45 feet btic in AMW-13-VD. Groundwater elevation data were used to generate Groundwater Elevation Contour Maps for horizon D1, D2, and VD and are included as **Figures 3, 4, and 5**, respectively. The approximate groundwater flow direction for the D1 horizon is to the southwest and southeast, the D2 horizon is to the southwest, and for the VD horizon to the south. The well gauging data is summarized in **Table 1** and illustrated on **Figures 3, 4, and 5**.

Groundwater Sampling

On June 1 and 2, 2021, groundwater samples were collected from HydraSleeves™ that were deployed in 20 monitoring wells (AMW-7R, AMW-14-D1, AMW-14-D2, AMW-14-VD, AMW-15-D1, AMW-15-D2, AMW-15-VD, AMW-15-D3, MW-18R, MW-23-D1R, MW-23-D2R, MW-24-D1R, MW-24-D2, MW-24-VDR, MW-26-D1, MW-27-D1R, MW-27-D2, MW-28-D1, MW-28-D2R, and MW-29-D1). Monitoring well MW-26-D2 was not sampled as the HydraSleeve™ could not be located in the monitoring 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 6010C
- 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 Q2 2021 sampling event:

- Benzene exceeded the TOGS Water Guidance value of 1 microgram per Liter (µg/L) at monitoring wells AMW-7R (1.08 µg/L), AMW-14-D1 (6.24 µg/L), AMW-15-D1 (1.74 µg/L), AMW-15-D3 (2.75 µg/L), MW-18R (8.23 µg/L), MW-24-D1R (10.7 µg/L), MW-26-D1 (8.13 µg/L), MW-27-D1R (3.98 µg/L) and MW-28-D1 (4.45 µg/L).
- Ethylbenzene exceeded the TOGS Water Guidance value of 5 µg/L at monitoring well AMW-14-D1 (6.68 µg/L) and MW-24-D1R (7.61 µg/L).
- Methyl tert-butyl ether (MTBE) exceeded the TOGS Water Guidance value of 10 µg/L at monitoring wells AMW-14-D1 (164 µg/L), AMW-14-D2 (20.7 µg/L), AMW-15-D1 (40.2 µg/L), AMW-15-D2 (57.3 µg/L), AMW-15-D3 (69.7 µg/L), MW-23-D1R (39.0 µg/L), MW-23-D2R (32.8 µg/L), MW-24-D1R (195 µg/L), MW-24-D2 (358 µg/L), MW-26-D1 (105 µg/L), and MW-27-D1R (27.6 µg/L).
- Vinyl chloride exceeds the TOGS Water Guidance value of 2 µg/L at monitoring wells AMW-14-D1 (7.18 µg/L), AMW-14-D2 (6.49 µg/L), MW-26-D1 (62.4 µg/L) and MW-27-D1R (45.5 µg/L).
- Trans-1,2-dichloroethene exceeded the TOGS Water Guidance value of 5 µg/L at monitoring well AMW-14-D1 (16.2 µg/L) and MW-24-D1R (12.9 µg/L).
- Trichloroethene exceeded the TOGS Water Guidance value of 5 µg/L at monitoring well AMW-15-D3 (15.3 µg/L).

Mr. Steven M. Scharf, P.E.
New York State Department of Environmental Conservation
July 20, 2021

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

Future Site Activities

The next quarterly sampling event will be completed in August 2021. If you have any questions regarding this progress report or require any additional information, please do not hesitate to contact me at 724.934.9501 or at edwin.ptak@arcadis.com.

Sincerely,
Arcadis U.S., Inc.



Edwin Ptak
Project Manager



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Enclosures:

Tables

- 1 Groundwater Elevation Data – June 1, 2021
- 2 Summary of Groundwater Sampling Results – June 1-2, 2021
- 3 Summary of Historical Groundwater VOC Analytical Results – 2016 through June 2021

Figures

- 1 Site Location Map
- 2 Site Plan
- 3 D1 Horizon Groundwater Contour Map – June 1, 2021
- 4 D2 Horizon Groundwater Contour Map – June 1, 2021
- 5 VD Horizon Groundwater Contour Map – June 1, 2021
- 6 Groundwater Analytical Results – June 1 through 2, 2021

Attachments

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

Tables

Table 1
Groundwater Elevation Data – June 1, 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Monitoring Well ID	Date	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	6/1/2021	12.35	9.05	ND	6.30	2.75
AMW-7R	6/1/2021	14.42	9.95	ND	8.16	1.79
MW-18R	6/1/2021	10.17	7.98	ND	4.36	3.62
D1 Horizon Monitoring Wells						
AMW-13-D1	6/1/2021	33.39	9.87	ND	10.22	-0.35
AMW-14-D1	6/1/2021	33.13	9.38	ND	9.85	-0.47
AMW-15-D1	6/1/2021	36.19	9.74	ND	10.16	-0.42
MW-23-D1R	6/1/2021	25.81	9.84	ND	10.20	-0.36
MW-24-D1R	6/1/2021	31.48	9.82	ND	10.10	-0.28
MW-26-D1	6/1/2021	20.29	9.95	ND	10.42	-0.47
MW-27-D1R	6/1/2021	32.30	9.01	ND	9.33	-0.32
MW-28-D1	6/1/2021	30.25	8.25	ND	8.84	-0.59
MW-29-D1	6/1/2021	23.21	5.21	ND	5.65	-0.44
MW-30-D1	6/1/2021	30.15	8.74	ND	10.42	-1.68
MW-31-D1R	6/1/2021	30.30	8.39	ND	10.88	-2.49
MW-32D	6/1/2021	36.25	8.85	ND	9.22	-0.37
OW-2-D1	6/1/2021	34.12	9.94	ND	10.35	-0.41
D2 Horizon Monitoring Wells						
AMW-13-D2	6/1/2021	43.51	9.76	ND	10.25	-0.49
AMW-14-D2	6/1/2021	43.13	9.37	ND	9.88	-0.51
AMW-15-D2	6/1/2021	21.61	9.71	ND	10.12	-0.41
MW-23-D2R	6/1/2021	16.77	10.52	ND	10.95	-0.43
MW-24-D2	6/1/2021	42.02	10.00	ND	10.40	-0.40
MW-26-D2	6/1/2021	NG	9.40	ND	9.89	-0.49
MW-27-D2	6/1/2021	46.87	9.09	ND	10.25	-1.16
MW-28-D2R	6/1/2021	47.23	8.40	ND	8.84	-0.44
MW-29-D2	6/1/2021	38.12	5.38	ND	5.79	-0.41
MW-30-D2	6/1/2021	40.66	8.72	ND	9.20	-0.48
MW-31-D2R	6/1/2021	46.59	8.35	ND	8.78	-0.43
D3 Horizon Monitoring Wells						
AMW-15-D3	6/1/2021	48.49	9.81	ND	10.15	-0.34
VD Horizon Monitoring Wells						
AMW-13-VD	6/1/2021	71.52	9.43	ND	10.45	-1.02
AMW-14-VD	6/1/2021	74.29	9.25	ND	9.58	-0.33
AMW-15-VD	6/1/2021	71.85	9.82	ND	9.94	-0.12
MW-24-VDR	6/1/2021	72.54	9.72	ND	9.72	0.00
MW-26-VD	6/1/2021	68.49	9.99	ND	9.75	0.24
MW-29-VD	6/1/2021	60.35	5.27	ND	5.28	-0.01
MW-30-VD	6/1/2021	83.51	8.70	ND	8.36	0.34

Notes:

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

in = Inches

TOC = top of casing

NAVD 88 = North America Vertical Datum of 1988

LNAPL = light non aqueous phase liquid

ND = not detected

NG = not gauged; unable to measure depth due to HydraSleeve™ at bottom of well.

Table 2
Summary of Groundwater Sampling Results – June 1 - 2, 2021
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	Ethylbenzene	Xylene (total)	Methyl-t-butyl ether	Isopropyl-benzene	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	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	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	ug/L
AMW-14-D1	6/2/2021	6.24	0.413 J	6.68	3.61	164	1.26	16.2	0.335 J	7.18	36.4 T8	3,040	70.9	1,890,000	719,000	3,180	2.53	<2,000
AMW-14-D2	6/2/2021	0.249 B J	<1.00	0.138 B J	<3.00	20.7	<1.00	0.977 J	<1.00	6.49	47.6 T8	4,590	137	2,340,000	473,000	3,020	4.02	<2,000
AMW-14-VD	6/2/2021	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	99.3 T8	18,900	396	8,510,000	542,000	16,100	0.404	56.4 J
AMW-7R	6/2/2021	1.08 B	<1.00	0.892 B J	2.53 J	<1.00	2.37	<1.00	<1.00	<1.00	36.4 T8	21,800	2,160	168,000	514,000	262	<0.100	<100 J6
AMW-15-D1	6/2/2021	1.74	<1.00	1.55	1.14 J	40.2	0.160 J	1.46	<1.00	<1.00	<20 T8	597	55.6	1,040,000	466,000	2,050	<0.100	<2,000
AMW-15-D2	6/2/2021	0.824 B J	<1.00	<1.00	<3.00	57.3	<1.00	0.682 J	<1.00	<1.00	<20 T8	10,100	97.9	2,220,000	313,000	935	4.01	<2,000
AMW-15-D3	6/1/2021	2.75	0.448 J	0.562 B J	0.930 J	69.7	0.155 J	0.213 J	15.3	1.29	<20 T8	657	628	3,350,000	493,000	683	<0.100	<500
AMW-15-VD	6/2/2021	0.120 B J	<1.00	<1.00	<3.00	0.376 J	<1.00	<1.00	<1.00	<1.00	7.310 J T8	663	12.8	204,000	238,000	6,130	0.556	<100
MW-18R	6/2/2021	8.23	0.979 J	0.274 B J	1.50 J	1.06	1.11	<1.00	<1.00	<1.00	<20 T8	1,270	18.5	362,000	83,300	835	0.106	<100
MW-23-D1R	6/2/2021	0.158 B J	<1.00	<1.00	<3.00	39.0	0.141 J	<1.00	<1.00	<1.00	22.3 T8	5,830	1,660	1,280,000	583,000	2,310	2.22	<100
MW-23-D2R	6/2/2021	0.0948 B J	<1.00	<1.00	<3.00	32.8	<1.00	<1.00	<1.00	<1.00	61.5 T8	1,520	267	2,010,000	540,000	3,500	0.293	<2000
MW-24-D1R	6/1/2021	10.7 [9.19]	0.944 J [<5.00]	7.61 [6.22]	20.2 [18.0]	195 [174]	0.925 J [0.888 J]	12.9 [10.5]	0.214 J [<5.00]	1.06 [1.21 C3 J]	38.9 T8 [26.2 T8]	722 [2,570]	12.4 [39.2]	1,480,000 [1,560,000]	475,000 [586,000]	2,730 [2,840]	<0.050 [1.560]	<2,000 [<100]
MW-24-D2	6/1/2021	0.681 B J	<1.00	<1.00	<3.00	358	<1.00	0.720 J	<1.00	<1.00	22.5 T8	1,480	56.0	1,470,000	674,000	2,360	0.343	<100
MW-24-VDR	6/1/2021	0.126 B J	<1.00	<1.00	<3.00	0.782 J	<1.00	<1.00	<1.00	<1.00	45.7 T8	53,700	574	8,160,000	413,000	15,500	<0.100	<100
MW-26-D1	6/2/2021	8.13	0.685 J	1.99	2.02 J	105	0.628 J	3.67	<1.00	62.4	69.9 T8	805	28.3	1,320,000	443,000	2,330	0.442	<100
MW-26-D2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-27-D1R	6/2/2021	3.98	0.774 J	0.387 B J	1.05 J	27.6	<1.00	2.80	0.349 J	45.5	88.9 T8	59,600	622	2,230,000	795,000	4,330	59.2	<2,000
MW-27-D2	6/2/2021	0.263 B J	<1.00	0.193 B J	<3.00	0.132 J	<1.00	<1.00	<1.00	<1.00	56.2 T8	12,700 O1	1,600 O1	4,510,000	275,000	9,290	5.12	<100
MW-28-D1	6/2/2021	4.45	<1.00	1.74	1.72 J	7.53	0.221 J	<1.00	<1.00	<1.00	35.7 T8	88.9 J	40.0	1,340,000	305,000	1,410	<0.050	<100
MW-28-D2R	6/2/2021	0.174 B J	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	68.1 T8	7,120	1,290	5,370,000	348,000	10,900	6.27	<100
MW-29-D1	6/2/2021	<1.00	<1.00	<1.00	<3.00	1.76	<1.00	<1.00	<1.00	<1.00	27.3 T8	42,600	484	437,000	174,000	556	40.4	<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
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.
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.
J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low
O1 = The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
T8 = Sample(s) received past/too close to holding time expiration.
NE = Not established
[] = Duplicate analysis results
-- = Not sampled; HydraSleeve™ was missing from well.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
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	1,2-Dichloro-propane	1,3-Dichloro-benzene
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	1	3
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	ug/L
AMW-12	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
AMW-13-D1	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-D2	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-VD	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-14-D1	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.91 J	0.46 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 4.0	< 4.0		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 2.0	< 2.0
	07/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	0.62 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.54 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.180 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.606 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4
	11/04/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.790 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.561 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.739 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
AMW-14-D2	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0
	07/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 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	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 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
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0
	08/19/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0 J4
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
AMW-14-VD	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0
	07/12/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
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	1,2-Dichloro-propane	1,3-Dichloro-benzene
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	1	3
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	ug/L
AMW-14-VD (cont.)	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.43 J	<1.0	<1.0
	12/05/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.45 J	<1.0	<1.0
	02/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.46 J	<1.0	<1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	08/20/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	0.350 J	<1.00	<1.00 J4
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	0.119 J	<1.00	<1.00
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	0.221 J	<1.00	<1.00
06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	
AMW-15-D1	06/23/2016	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	10/26/2016	< 10	< 10	< 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	< 4.0	< 4.0
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 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	< 5.0	< 5.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	0.89 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.75 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00	<5.00	<5.00
	08/19/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00 J4	<5.00	<5.00	<5.00
	11/04/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.325 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
03/19/2021	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00	<5.00	<5.00	
06/02/2021	<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	<1.00	<1.00	
AMW-15-D2	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 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	< 1.0	< 1.0
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 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	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 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
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00
	11/04/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
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	1,2-Dichloro-propane	1,3-Dichloro-benzene
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	1	3
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	ug/L
AMW-15-D3	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 2.0	< 2.0
	07/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 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	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 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
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.187 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.104 J	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00
	11/04/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.139 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
06/01/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	
AMW-15-VD	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0
	07/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 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
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	0.144 J	<1.00	<1.00
	11/04/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	0.101 J	<1.00	<1.00
AMW-3	01/13/2016	< 5.0	< 5.0	< 5.0	4.8 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-7R	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/11/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 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	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 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
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
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	1,2-Dichloro-propane	1,3-Dichloro-benzene
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	1	3
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	ug/L
AMW-7R (cont.)	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
ASB-2	06/06/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-3	06/08/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-4	06/07/2016	4.2 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ASB-5	06/02/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-7	06/02/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
MW-18R	06/22/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	07/11/2018	< 20	< 20	< 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	< 5.0	< 5.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 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
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<5.00	<5.00	<5.00	<5.00 J4	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00	<5.00	<5.00
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<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	< 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	< 5.0
	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 4.0
	07/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	MW-23-D2R	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
06/20/2016		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
07/05/2017		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
08/27/2017		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 1.0	< 1.0
07/12/2018		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
05/09/2019		< 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
09/13/2019		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
12/05/2019		< 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
08/19/2020		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00
11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
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	1,2-Dichloro-propane	1,3-Dichloro-benzene	
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	1	3	
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	ug/L	
MW-23-D2R (cont.)	03/18/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-24-D1R	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
	06/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 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	< 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	< 4.0	< 4.0	
	07/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	
	10/16/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
	05/09/2019	< 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	
	09/13/2019	< 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]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	12/05/2019	< 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]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	02/11/2020	< 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]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	06/09/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]
	08/19/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 J4 [<5.00 J4]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]
	11/05/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]
	03/19/2021	<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]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]
	06/01/2021	<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]	<1.00 [<5.00]	<1.00 [<5.00 C3]	<1.00 [<5.00]
MW-24-D2	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 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	< 5.0	
	07/05/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	
	08/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 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	< 2.0	
	07/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 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	< 1.0	< 1.0	
	05/09/2019	< 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	
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	12/05/2019	< 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	
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.293 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	
	08/18/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.210 J	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	
11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.553 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00		
03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.611 J	<1.00	<5.00	<1.00	<1.00	<1.00	1.08	<1.00		
06/01/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.467 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00		
MW-24-VDR	07/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 1.0	< 1.0	
	05/09/2019	< 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	
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	12/05/2019	< 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	
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
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	1,2-Dichloro-propane	1,3-Dichloro-benzene
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	1	3
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	ug/L
MW-24-VDR (cont.)	08/18/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	06/01/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-26-D1	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/22/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 10	< 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	< 4.0	< 4.0
	07/05/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	08/27/2017	< 10	< 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	< 2.0
	07/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 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	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.285 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.218 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.159 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.403 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-26-D2	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 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	< 2.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 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	< 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	< 1.0	< 1.0
	05/09/2019	< 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
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 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
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.102 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	
MW-26-VD	01/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-27-D1R	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	08/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 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	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics												
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotrifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane	1,2-Dichloro-propane	1,3-Dichloro-benzene
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	1	3
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	ug/L
MW-27-D1R (cont.)	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/19/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00	<5.00	<5.00 J4
	11/06/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00	<5.00	<5.00
	03/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.359 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.278 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-27-D2	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.4 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.430 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.483 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.118 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	03/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.242 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.149 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-28-D1	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.76 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/28/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.58 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 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	< 1.0	< 1.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.69 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.67 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.4 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.209 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.172 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.741 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.163 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-28-D2R	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.48 J	< 1.0	< 1.0	< 1.0	< 1.0	0.21 J	< 1.0	< 1.0
	07/28/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 1.0	< 1.0
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 1.0	< 1.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.67 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
09/13/2019	< 1.0	< 1.0	< 1.0	0.74 J	< 1.0	0.79 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
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	1,2-Dichloro-propane	1,3-Dichloro-benzene
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	1	3
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	ug/L
MW-28-D2R (cont.)	12/06/2019	< 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
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.74 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<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	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.186 J	<1.00	<5.00	<1.00	0.251 J	<1.00	<1.00	<1.00 J4
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.342 J	<1.00	<5.00	<1.00	0.109 J	<1.00	<1.00	<1.00
	03/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.217 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.211 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-29-D1	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 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	< 1.0	< 1.0
	07/05/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	08/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 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	< 4.0	< 4.0
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 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
	02/12/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
	03/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00
06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-29-D2	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-29-VD	01/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D1	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D2	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	3.2 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	01/14/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.9	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-VD	01/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D2R	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.94 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics												
		1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane
NYSDEC TOGS 1.1.1		3	50	50	NE	50	1	50	50	5	60	5	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	ug/L
AMW-12	01/14/2016	< 5.0	< 50	< 25	< 25	25 J	80	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
AMW-13-D1	06/24/2016	< 1.0	< 10	< 5.0	< 5.0	6.5 J	< 1.0	0.99 J	3.4	< 1.0	2.7	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 10	< 5.0	< 5.0	3.4 J	4.5	< 1.0	1.1	< 1.0	2.8	< 1.0	< 1.0	< 1.0
AMW-13-D2	06/23/2016	< 1.0	< 10	< 5.0	3.3 J	3.2 J	< 1.0	0.97 J	4.2	< 1.0	0.66 J	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 10	< 5.0	< 5.0	4.8 J	< 1.0	< 1.0	0.62 J	< 1.0	12	< 1.0	< 1.0	< 1.0
AMW-13-VD	06/23/2016	< 1.0	3.2 J	< 5.0	< 5.0	18	< 1.0	< 1.0	3.1	< 1.0	1.5	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	5.8 J	< 5.0	2.4 J	46	< 1.0	< 1.0	< 1.0	< 1.0	7.9	< 1.0	< 1.0	< 1.0
AMW-14-D1	06/24/2016	< 1.0	< 10	< 5.0	< 5.0	4.6 J	< 1.0	0.85 J	2.5	< 1.0	2.6	< 1.0	< 1.0	< 1.0
	07/26/2016	< 1.0	< 10	< 5.0	< 5.0	3.9 J	4.3	< 1.0	< 1.0	< 1.0	2.8	< 1.0	< 1.0	< 1.0
	07/05/2017	< 4.0	< 40	< 20	< 20	< 40	2.0 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 20	< 10	< 10	< 20	4.7	< 2.0	< 2.0	< 2.0	1.3 J	< 2.0	< 2.0	< 2.0
	07/12/2018	< 8.0	< 80	< 40	< 40	< 80	5.3 J	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/17/2018	< 1.0	< 50	< 10	< 10	< 25	0.98 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	7.0	< 1.0	< 1.0	< 1.0	0.79 J	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	0.64 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	<5.0	<5.0	<5.0	<5.0	3.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.533 J	<1.00	<1.00	<5.00	0.294 J	<1.00	<1.00	<5.00
	08/19/2020	<1.00 J4	<10.0	<10.0	<10.0	<50.0	5.40	<1.00	<1.00	<5.00	0.615 J	<1.00	<1.00	<5.00
	11/04/2020	<1.00	<10.0	<10.0	<10.0	<50.0	7.94	<1.00	<1.00 C3 J4	<5.00	<1.00	<1.00 C3	<1.00	<5.00
	03/19/2021	<1.00	<10.0	<10.0	1.41 J	<50.0	3.41	<1.00	<1.00 C3	<5.00	<1.00	<1.00	<1.00	<5.00
	06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	6.24	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
AMW-14-D2	06/23/2016	< 1.0	< 10	< 5.0	3.2 J	3.3 J	< 1.0	0.99 J	4.6	< 1.0	5.5	< 1.0	< 1.0	< 1.0
	07/26/2016	< 1.0	< 10	< 5.0	< 5.0	3.1 J	0.88 J	< 1.0	1.3	< 1.0	12	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 10	< 5.0	< 5.0	9.6 J	< 1.0	< 1.0	< 1.0	< 1.0	8.4	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	2.7	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	0.94 J	< 1.0	< 1.0	< 1.0
	07/12/2018	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	0.32 J	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<10.0	<100	<100	<100	<500	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<10.0	<50.0
	08/19/2020	<10.0 J4	<100	<100	<100	<500	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<10.0	<50.0
	11/05/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.533 J	<1.00	<1.00	<5.00
	03/19/2021	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	<1.00	<5.00
	06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.249 BJ	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
AMW-14-VD	06/23/2016	< 1.0	3.9 J	< 5.0	2.1 J	22	< 1.0	0.87 J	3	< 1.0	0.63 J	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 10	< 5.0	< 5.0	8.9 J	< 1.0	< 1.0	< 1.0	< 1.0	9.9	< 1.0	< 1.0	< 1.0
	07/05/2017	< 1.0	< 10	< 5.0	< 5.0	3.7 J	< 1.0	< 1.0	< 1.0	< 1.0	0.25 J	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0
	07/12/2018	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics												
		1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane
NYSDEC TOGS 1.1.1		3	50	50	NE	50	1	50	50	5	60	5	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	ug/L
AMW-14-VD (cont.)	10/17/2018	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/13/2019	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/05/2019	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/12/2020	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	06/10/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00 J4	<5.00
	08/20/2020	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
	11/05/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3 J4	<5.00	<1.00	<1.00 C3	<1.00	<5.00
	03/19/2021	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.120 J	<1.00	<1.00	<5.00
06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	
AMW-15-D1	06/23/2016	< 1.0	< 10	< 5.0	2.1 J	4.2 J	0.48 J	< 1.0	2.2	< 1.0	0.46 J	< 1.0	< 1.0	< 1.0
	07/27/2016	< 5.0	< 50	< 25	< 25	< 50	3.9 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	10/26/2016	< 10	< 100	< 50	< 50	< 100	11	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/26/2016	< 4.0	< 40	< 20	< 20	< 40	5.1	< 4.0	< 4.0	< 4.0	1.7 J	< 4.0	< 4.0	< 4.0
	07/05/2017	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 40	< 20	< 20	< 40	12	< 4.0	< 4.0	< 4.0	2.7 J	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 20	< 10	< 10	< 20	11	< 2.0	< 2.0	< 2.0	2	< 2.0	< 2.0	< 2.0
	10/17/2018	< 5.0	< 250	< 50	< 50	< 130	12	< 5.0	< 5.0	< 5.0	1.7 J	< 5.0	< 5.0	< 5.0
	05/09/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	6.3	< 1.0	< 1.0	< 1.0	1.3	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	6.2	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	6.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	<5.0	<5.0	<5.0	<5.0	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<5.00	<50.0	<50.0	<50.0	<250	6.35	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00	<25.0
	08/19/2020	<5.00	<50.0	<50.0	<50.0	<250	4.70 J	<5.00	<5.00	<25.0	6.45	<5.00	<5.00	<25.0
	11/04/2020	<1.00	<10.0	<10.0	<10.0	<50.0	3.55	<1.00	<1.00	<5.00	0.777 J	<1.00	<1.00	<5.00
	03/19/2021	<5.00	<50.0	<50.0	<50.0	<250	5.80	<5.00	<5.00 C3	<25.0	<5.00	<5.00	<5.00	<25.0
06/02/2021	<1.00	<10.0 J3	<10.0	<10.0 J3	<50.0	1.74	<1.00 J3	<1.00	3.35 J	0.320 J	<1.00	<1.00 J3	<5.00 J3	
AMW-15-D2	06/23/2016	< 1.0	< 10	< 5.0	< 5.0	9.3 J	< 1.0	< 1.0	< 1.0	< 1.0	1.8	< 1.0	< 1.0	< 1.0
	06/23/2016	< 1.0	1.3 J	< 5.0	< 5.0	11	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 10	< 5.0	< 5.0	3.8 J	< 1.0	< 1.0	< 1.0	< 1.0	0.42 J	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 10	< 5.0	< 5.0	13	< 1.0	< 1.0	< 1.0	< 1.0	0.75 J	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 10	< 5.0	< 5.0	5.1 J	0.47 J	< 1.0	< 1.0	< 1.0	0.42 J	< 1.0	< 1.0	< 1.0
	07/05/2017	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 40	< 20	< 20	< 40	9.8	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 40	< 20	< 20	< 40	2.7 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	0.34 J	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.25 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.123 J	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
	08/19/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.102 J	<1.00	<1.00	<5.00	2.33	<1.00	<1.00	<5.00
	11/04/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.529 J	<1.00	<1.00 C3 J4	<5.00	<1.00	<1.00 C3	<1.00	<5.00
	03/19/2021	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.230 J	<1.00	<1.00	<5.00
	06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.824 BJ	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics												
		1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane
NYSDEC TOGS 1.1.1		3	50	50	NE	50	1	50	50	5	60	5	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	ug/L
AMW-15-D3	06/23/2016	< 1.0	< 10	< 5.0	< 5.0	6.9 J	< 1.0	< 1.0	< 1.0	< 1.0	4.4	< 1.0	< 1.0	< 1.0
	06/23/2016	< 1.0	< 10	< 5.0	< 5.0	7.3 J	< 1.0	< 1.0	< 1.0	< 1.0	4.6	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 10	< 5.0	< 5.0	3.6 J	< 1.0	< 1.0	< 1.0	< 1.0	1.4	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 40	< 20	< 20	36 J	3.7 J	< 4.0	< 4.0	< 4.0	1.8 J	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/13/2018	< 2.0	< 20	< 10	< 10	16 J	< 2.0	< 2.0	< 2.0	< 2.0	0.70 J	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	0.42 J	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	<5.0	<5.0	<5.0	<5.0	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.318 J	<1.00	<1.00 J4	<5.00
	08/19/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.664 J	<1.00	<1.00	<5.00	1.93	<1.00	<1.00	<5.00
	11/04/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.430 J	<1.00	<1.00 C3 J4	<5.00	<1.00	<1.00 C3	<1.00	<5.00
03/19/2021	<1.00	11.0	<10.0	0.640 J	62.4	12.8	<1.00	<1.00	<5.00	1.23	<1.00	<1.00	<5.00	
06/01/2021	<1.00	3.00 C3J	<10.0	<10.0	17.1 C3J	2.75	<1.00	<1.00	<5.00	1.29	<1.00	<1.00	<5.00	
AMW-15-VD	06/23/2016	< 1.0	< 10	< 5.0	< 5.0	3.2 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 10	< 5.0	< 5.0	8.3 J	< 1.0	< 1.0	2.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 10	< 5.0	< 5.0	5.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/13/2018	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00 J4	<5.00
	08/19/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
	11/04/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3 J4	<5.00	<1.00	<1.00 C3	<1.00	<5.00
	03/19/2021	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.120 BJ	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	
AMW-3	01/13/2016	< 5.0	< 50	< 25	< 25	< 50	280	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	3.4 J	< 5.0	< 5.0	21	< 1.0	< 1.0	< 1.0	< 1.0	0.51 J	< 1.0	< 1.0	< 1.0
AMW-7R	01/12/2016	< 5.0	< 50	< 25	< 25	30 J	5.7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 10	< 5.0	< 5.0	6.2 J	1.1	< 1.0	< 1.0	< 1.0	0.43 J	< 1.0	< 1.0	< 1.0
	07/11/2018	< 2.0	< 20	< 10	< 10	< 20	0.82 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 50	< 10	< 10	8.1 J	0.78 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	0.69 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	0.39 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	<5.0	<5.0	<5.0	<5.0	0.89 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	<5.0	<5.0	<5.0	<5.0	0.82 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.926 J	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00 J4	<5.00
	08/19/2020	<1.00 J4	<10.0	<10.0	<10.0	<50.0	0.566 J	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
11/06/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.214 J	<1.00	<1.00 C3	<5.00 C3	0.271 J	<1.00	<1.00	<5.00	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics												
		1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane
NYSDEC TOGS 1.1.1		3	50	50	NE	50	1	50	50	5	60	5	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	ug/L
AMW-7R (cont.)	03/19/2021	<1.00	<10.0	<10.0	<10.0	<50.0	0.0960 J	<1.00	<1.00	<5.00	0.140 J	<1.00	<1.00	<5.00
	06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	1.08 B	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
ASB-2	06/06/2016	< 1.0	< 10	< 5.0	6	20	1.8	1.9	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0
ASB-3	06/08/2016	< 1.0	< 10	< 5.0	< 5.0	5.5 J	< 1.0	0.75 J	2.4	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0
ASB-4	06/07/2016	< 5.0	< 50	< 25	< 25	< 50	3.0 J	< 5.0	< 5.0	< 5.0	0.95 J	< 5.0	< 5.0	< 5.0
ASB-5	06/02/2016	< 1.0	1.4 J	< 5.0	5	12	< 1.0	1.5	< 1.0	< 1.0	0.53 J	< 1.0	< 1.0	< 1.0
ASB-7	06/02/2016	< 2.0	< 20	< 10	5.3 J	< 20	< 2.0	3.3	< 2.0	< 2.0	1.1 J	< 2.0	< 2.0	< 2.0
MW-18R	06/22/2016	< 10	< 100	< 50	< 50	< 100	310	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	07/11/2018	< 20	74 J	< 100	< 100	330	48	< 20	< 20	< 20	6.2 J	< 20	< 20	< 20
	10/17/2018	< 5.0	70 J	< 50	< 50	230	69	< 5.0	< 5.0	< 5.0	2.4 J	< 5.0	< 5.0	< 5.0
	09/14/2019	< 1.0	10	< 5.0	2.2 J	47	85	< 1.0	< 1.0	< 1.0	3.2	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	33	3.7 J	2.9 J	130	74	< 1.0	< 1.0	< 1.0	2	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 5.0	< 5.0	< 5.0	19	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<5.00	10.7 J	<50.0	<50.0	<250	27.0	<5.00	<5.00	<25.0	1.26 J	<5.00	<5.00 J4	<25.0
	03/19/2021	<1.00	12.6	1.62 J	1.76 J	44.4 J	8.34	<1.00	<1.00	<5.00	1.28	<1.00	<1.00	<5.00
	06/02/2021	<1.00	3.59 C3J	<10.0	0.967 J	16.8 C3J	8.23	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
MW-23-D1R	10/26/2016	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0	0.53 J	< 2.0	< 2.0	< 2.0
	10/26/2016	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	01/12/2016	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/20/2016	< 1.0	< 10	< 5.0	< 5.0	6.4 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/12/2018	< 4.0	< 40	< 20	< 20	< 40	2.7 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 50	< 10	< 10	< 25	3.8	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.56 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.408 J	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
	08/19/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.312 J	<1.00	<1.00	<5.00	0.671 J	<1.00	<1.00	<5.00
	11/05/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.0955 J	<1.00	<1.00 C3	<5.00 C3	0.400 J	<1.00	<1.00	<5.00
	03/19/2021	<1.00	<10.0	<10.0	<10.0	<50.0	0.150 J	<1.00	<1.00	<5.00	0.142 J	<1.00	<1.00	<5.00
06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.158 BJ	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	
MW-23-D2R	01/12/2016	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/20/2016	< 1.0	< 10	< 5.0	< 5.0	23	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 1.0	< 10	< 5.0	< 5.0	4.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	0.44 J	< 1.0	< 1.0	< 1.0
	07/12/2018	<1.0	<5.0	<5.0	<5.0	<5.0	2.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	05/09/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/19/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.407 J	<1.00	<1.00	<5.00	0.253 J	<1.00	<1.00	<5.00
11/05/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3	0.447 J	<1.00	<1.00	<5.00	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics												
		1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane
NYSDEC TOGS 1.1.1		3	50	50	NE	50	1	50	50	5	60	5	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	ug/L
MW-23-D2R (cont.)	03/18/2021	<1.00	<10.0	<10.0	<10.0	<50.0	0.110 J	<1.00	<1.00	<5.00	0.119 J	<1.00	<1.00	<5.00
	06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.0948 BJ	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
MW-24-D1R	01/13/2016	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 4.0	< 40	< 20	< 20	< 40	5.4	< 4.0	< 4.0	< 4.0	1.6 J	< 4.0	< 4.0	< 4.0
	10/26/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	4.1	< 1.0	< 1.0	< 1.0	1.7	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	4.9	< 1.0	< 1.0	< 1.0	1.3	< 1.0	< 1.0	< 1.0
	10/26/2016	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/12/2018	< 8.0	< 80	< 40	< 40	< 80	11	< 8.0	< 8.0	< 8.0	2.1 J	< 8.0	< 8.0	< 8.0
	10/16/2018	< 5.0	< 250	< 50	< 50	< 130	8.3	< 5.0	< 5.0	< 5.0	1.4 J	< 5.0	< 5.0	< 5.0
	05/09/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.5	< 1.0	< 1.0	< 1.0	0.62 J	< 1.0	< 1.0	< 1.0
	09/13/2019	< 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]	3.2 [1.8]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	12/05/2019	< 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]	1.0 [1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	02/11/2020	< 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]	1.5 [1.4]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	06/09/2020	<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]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]
	08/19/2020	<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]	8.28 [3.68 J]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]
	11/05/2020	<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]	2.27 J [2.18 J]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]
	03/19/2021	<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]	0.811 J [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]
	06/01/2021	<1.00 [<5.00]	0.0 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]	1.00 [0.994 J]	<1.00 [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]
MW-24-D2	01/13/2016	< 5.0	< 50	< 25	< 25	< 50	3.3 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	01/13/2016	< 5.0	< 50	< 25	< 25	< 50	3.1 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	0.97 J	< 1.0	< 1.0	< 1.0	0.31 J	< 1.0	< 1.0	< 1.0
	10/25/2016	< 4.0	< 40	< 20	< 20	62	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 5.0	< 50	< 25	< 25	56	3.0 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	07/05/2017	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	08/27/2017	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/12/2018	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 50	< 10	< 10	2.8 J	< 1.0	< 1.0	< 1.0	< 1.0	0.24 J	< 1.0	< 1.0	< 1.0
	05/09/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 5.0	< 5.0	< 5.0	< 5.0	5.2	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.4 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.367 J	<1.00	<1.00	<5.00	0.167 J	<1.00	<1.00 J4	<5.00
	08/18/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.227 J	<1.00	<1.00	<5.00	0.266 J	<1.00	<1.00	<5.00
	11/05/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.581 J	<1.00	<1.00 C3	<5.00 C3	0.931 J	<1.00	<1.00	<5.00
	03/19/2021	<1.00	<10.0	<10.0	<10.0	<50.0	0.662 J	<1.00	<1.00	<5.00	0.376 J	<1.00	<1.00	<5.00
	06/01/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.681 BJ	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
MW-24-VDR	07/12/2018	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	0.64 J	< 1.0	< 1.0	< 1.0
	05/09/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	0.30 J	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.4	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 5.0	< 5.0	< 5.0	5.5	7.2	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.347 J	<1.00	<1.00 J4	<5.00

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics												
		1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane
NYSDEC TOGS 1.1.1		3	50	50	NE	50	1	50	50	5	60	5	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	ug/L
MW-24-VDR (cont.)	08/18/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.394 J	<1.00	<1.00	<5.00
	11/05/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3	0.423 J	<1.00	<1.00	<5.00
	03/19/2021	<1.00	<10.0	<10.0	2.68 J	139	<1.00	<1.00	<1.00	<5.00	0.150 J	<1.00	<1.00	<5.00
	06/01/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.126 BJ	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
MW-26-D1	01/12/2016	< 5.0	< 50	< 25	< 25	< 50	9.1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/22/2016	< 4.0	< 40	< 20	< 20	< 40	9.3	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 10	< 100	< 50	< 50	< 100	8.6 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/25/2016	< 4.0	< 40	< 20	< 20	< 40	12	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/05/2017	< 10	< 100	< 50	< 50	< 100	8.7 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	08/27/2017	< 10	< 100	< 50	< 50	< 100	9.5 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/11/2017	< 2.0	< 20	< 10	< 10	6.5 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/13/2018	< 2.0	< 20	< 10	< 10	< 20	17	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 50	< 10	< 10	< 25	4.9	< 1.0	< 1.0	< 1.0	0.45 J	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	9.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	6.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	7.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<10.0	<10.0	<10.0	<50.0	8.93	<1.00	<1.00	<5.00	0.773 J	<1.00	<1.00	<5.00
	08/19/2020	<1.00 J4	<10.0	<10.0	<10.0	<50.0	6.46	<1.00	<1.00	<5.00	0.360 J	<1.00	<1.00	<5.00
	11/06/2020	<1.00	<10.0	<10.0	<10.0	<50.0	5.88	<1.00	<1.00 C3	<5.00 C3	0.582 J	<1.00	<1.00	<5.00
	06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	8.13	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
MW-26-D2	01/12/2016	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/22/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	1.4	< 1.0	< 1.0	< 1.0
	10/25/2016	< 2.0	< 20	< 10	< 10	9.4 J	< 2.0	< 2.0	< 2.0	< 2.0	0.60 J	< 2.0	< 2.0	< 2.0
	10/25/2016	< 2.0	< 20	< 10	< 10	37	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/05/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	0.37 J	< 1.0	< 1.0	< 1.0
	08/27/2017	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 50	< 10	< 10	< 25	0.69 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/09/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.79 J	< 1.0	< 1.0	< 1.0	0.25 J	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.46 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
08/19/2020	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.204 J	<1.00	<1.00	<5.00	
MW-26-VD	01/13/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 10	< 5.0	< 5.0	170	< 1.0	< 1.0	< 1.0	< 1.0	0.19 J	< 1.0	< 1.0	< 1.0
MW-27-D1R	01/13/2016	< 5.0	< 50	< 25	< 25	53	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	1.7 J	< 5.0	< 5.0	5.0 J	< 1.0	< 1.0	< 1.0	< 1.0	0.66 J	< 1.0	< 1.0	< 1.0
	07/05/2017	< 2.0	< 20	< 10	< 10	< 20	1.1 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	08/27/2017	< 2.0	< 20	< 10	< 10	< 20	1.6 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/13/2018	< 2.0	< 20	< 10	< 10	< 20	7.8	< 2.0	< 2.0	< 2.0	0.64 J	< 2.0	< 2.0	< 2.0
	10/18/2018	< 1.0	< 50	< 10	< 10	< 25	3.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.4	< 1.0	< 1.0	< 1.0	1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	4.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics												
		1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane
NYSDEC TOGS 1.1.1		3	50	50	NE	50	1	50	50	5	60	5	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	ug/L
MW-27-D1R (cont.)	12/05/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	6.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/19/2020	<5.00 J4	<50.0	<50.0	<50.0	<250	3.12 J	<5.00	<5.00	<25.0	0.852 J	<5.00	<5.00	<25.0
	11/06/2020	<5.00	<50.0	<50.0	<50.0	<250	2.58 J	<5.00	<5.00 C3	<25.0 C3	1.74 J	<5.00	<5.00	<25.0
	03/20/2021	<1.00	<10.0	<10.0	<10.0	<50.0	2.56	<1.00	<1.00 C3	<5.00	<1.00	<1.00	<1.00	<5.00
	06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	3.98	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
MW-27-D2	01/13/2016	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 4.0	8.2 J	< 20	< 20	38 J	160	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/05/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/13/2018	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.133 J	<1.00	<1.00 J4	<5.00
	08/19/2020	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
	11/06/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00	<5.00
	03/20/2021	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.155 J	<1.00	<1.00	<5.00
	06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.263 BJ	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
MW-28-D1	06/24/2016	< 1.0	2.3 J	< 5.0	< 5.0	45	2.1	< 1.0	< 1.0	< 1.0	1	< 1.0	< 1.0	< 1.0
	07/28/2016	< 10	< 100	< 50	< 50	280	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	07/05/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	8.9	< 1.0	< 1.0	< 1.0	0.40 J	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 40	< 20	< 20	< 40	2.7 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 40	< 20	< 20	< 40	3.7 J	< 4.0	< 4.0	< 4.0	4.9	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 50	< 10	< 10	9.3 J	5.6	< 1.0	< 1.0	< 1.0	0.47 J	< 1.0	< 1.0	< 1.0
	05/09/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.4	< 1.0	< 1.0	< 1.0	0.34 J	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	9.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	11.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	17.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<10.0	<10.0	<10.0	<50.0	9.35	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00 J4	<5.00
	08/19/2020	<1.00 J4	<10.0	<10.0	<10.0	<50.0	5.03	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
	11/06/2020	<1.00	<10.0	<10.0	<10.0	<50.0	24.3	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00	<5.00
06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	4.45	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	
MW-28-D2R	06/24/2016	< 1.0	< 10	< 5.0	< 5.0	3.3 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/28/2016	< 1.0	< 10	< 5.0	< 5.0	4.4 J	< 1.0	1.2	5.6	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0
	07/05/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	0.95 J	< 1.0	< 1.0	< 1.0
	07/13/2018	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	1.0 J	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/09/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.50 J	< 1.0	< 1.0	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0
09/13/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics												
		1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)	Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane
NYSDEC TOGS 1.1.1		3	50	50	NE	50	1	50	50	5	60	5	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	ug/L
MW-28-D2R (cont.)	12/06/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.24 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.781 J	<1.00	<1.00 J4	<5.00
	08/19/2020	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.404 J	<1.00	<1.00	<5.00
	11/06/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3	0.424 J	<1.00	<1.00	<5.00
	03/20/2021	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.102 J	<1.00	<1.00	<5.00
	06/02/2021	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.174 BJ	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
MW-29-D1	01/14/2016	< 5.0	< 50	< 25	< 25	25 J	81	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 10	< 5.0	< 5.0	9.5 J	6.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	32	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	5.5	< 1.0	< 1.0	< 1.0	0.21 J	< 1.0	< 1.0	< 1.0
	07/05/2017	< 2.0	< 20	< 10	< 10	< 20	9.7	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	08/27/2017	< 2.0	< 20	< 10	< 10	< 20	19	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/12/2017	< 4.0	< 40	< 20	< 20	< 40	4.3	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/13/2018	< 4.0	< 40	9.1 J	< 20	< 40	5.2	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 50	< 10	< 10	< 25	3.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	9.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.67 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	0.307 J	<1.00	<1.00 J4	<5.00
	08/19/2020	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00
	11/06/2020	<1.00	<10.0	<10.0	<10.0	<50.0	0.110 J	<1.00	<1.00 C3	<5.00 C3	0.364 J	<1.00	<1.00	<5.00
	03/20/2021	<1.00	<10.0	<10.0	0.488 J	<50.0	<1.00	<1.00	<1.00	<5.00	0.130 J	<1.00	<1.00	<5.00
06/02/2021	<1.00	<10.0 C3	<10.0	0.628 J	<50.0 C3	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<5.00	
MW-29-D2	01/14/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/21/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	0.62 J	< 1.0	< 1.0	< 1.0
MW-29-VD	01/14/2016	< 10	< 100	< 50	< 50	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	06/21/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D1	01/14/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	0.19 J	< 1.0	< 1.0	< 1.0
MW-30-D2	01/14/2016	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	01/14/2016	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	06/22/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-VD	01/14/2016	< 10	< 100	< 50	< 50	< 100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	06/22/2016	< 1.0	< 10	< 5.0	< 5.0	5.9 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	01/14/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 10	< 5.0	< 5.0	11	1.1	< 1.0	< 1.0	< 1.0	0.32 J	< 1.0	< 1.0	< 1.0
MW-31-D2R	01/14/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics													
		Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		7	5	5	0.4	NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-12	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	12	< 5.0	< 5.0	< 5.0	24	< 13	32.0	5.4	< 5.0	< 5.0
AMW-13-D1	06/24/2016	0.37 J	< 1.0	< 1.0	< 1.0	< 1.0	2.4	< 1.0	< 1.0	< 1.0	< 2.5	10	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.82 J	< 1.0	1.8	< 1.0	< 2.5	63 F1	< 1.0	< 1.0	< 1.0
AMW-13-D2	06/23/2016	0.36 J	< 1.0	< 1.0	< 1.0	< 1.0	2.6	< 1.0	< 1.0	< 1.0	< 2.5	3.5	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.41 J	< 1.0	< 1.0	< 1.0	< 2.5	41	< 1.0	< 1.0	< 1.0
AMW-13-VD	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	< 1.0	< 2.5	5	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	3.4	< 1.0	< 1.0	< 1.0
AMW-14-D1	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2	< 1.0	< 1.0	< 1.0	< 2.5	12	< 1.0	< 1.0	< 1.0
	07/26/2016	< 1.0	< 1.0	1	< 1.0	1.9	< 1.0	< 1.0	3.6	< 1.0	< 2.5	140 E	0.97 J	< 1.0	< 1.0
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	170	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	170	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	3	< 2.0	< 2.0	7.2	< 2.0	< 5.0	170	2.4	0.95 J	< 2.0
	07/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	7.5 J	< 8.0	< 20	160	1.7 J	< 8.0	< 8.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	1	< 1.0	< 10	120	0.40 J	< 5.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	5.9	1.0	<5.0	250	3.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.43 J	< 1.0	<5.0	50	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.5	< 1.0	<5.0	94	0.74 J	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	0.3 J	< 1.0 *	0.88 J	< 1.0 *	< 1.0	2.7	0.44 J	<5.0	130	1.2	< 1.0	< 1.0
	06/10/2020	<5.00	<2.50	0.427 J	<1.00	<1.00	<1.00	<5.00	0.486 J	0.172 J	<20.0	37.6	<1.00	<5.00	<1.00
	08/19/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	6.29	1.08	<20.0	181	3.18	<5.00	<1.00
	11/04/2020	<5.00	<2.50	0.221 J	<1.00	2.02	<1.00	<5.00	6.53	1.18	<20.0	190	3.97	<5.00	<1.00
	03/19/2021	<5.00	<2.50 C3	0.214 J	<1.00	1.33	<1.00	<5.00	3.34	0.698 J	<20.0	53.9	1.86	<5.00	<1.00
	06/02/2021	<5.00	<2.50 C3	0.144 J	<1.00	2.30 C5J4	<1.00	<5.00	6.68	1.26	<20.0 C3	164	5.18	<5.00	<1.00
AMW-14-D2	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.6	< 1.0	< 1.0	< 1.0	< 2.5	3.1	< 1.0	< 1.0	< 1.0
	07/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.79 J	< 1.0	< 1.0	< 1.0	< 2.5	24	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.58 J	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	14	0.27 J	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	48	< 1.0	< 1.0	< 1.0
	07/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	62	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	44	< 5.0	< 5.0	< 1.0
	05/10/2019	< 1.0	< 1.0*	0.35 J	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	<5.0	33	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	37	< 1.0	0.59 J	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	29	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0	36	< 1.0	< 1.0	< 1.0
	06/10/2020	<50.0	<25.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<200	33.2	<10.0	<50.0	<10.0
	08/19/2020	<50.0	<25.0	2.50 J	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<200	32.0	<10.0	<50.0	<10.0
	11/05/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	31.1	<1.00	<5.00	<1.00
	03/19/2021	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	20.8	<1.00	<5.00	<1.00
	06/02/2021	<5.00	<2.50 C3	0.244 J	<1.00	0.201 JJ4	<1.00	<5.00	0.138 B J	<1.00	<20.0 C3	20.7	<1.00	<5.00	<1.00
AMW-14-VD	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	0.32 J	2	< 1.0	< 1.0	< 1.0	< 2.5	0.91 J	0.36 J	< 1.0	< 1.0
	07/27/2016	0.37 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.59 J	< 1.0	< 1.0	< 1.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.51 J	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.42 J	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.65 J	0.58 J	< 1.0	< 1.0
	07/12/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.49 J	< 1.0	< 1.0	< 1.0

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics													
		Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		7	5	5	0.4	NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-14-VD (cont.)	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 5.0	< 5.0	< 1.0
	05/10/2019	<1.0	<1.0*	<1.0	<1.0	<1.0	<1.0	<1.0*	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
	09/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	0.54 J	<1.0	0.36 J	<1.0
	12/05/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
	02/12/2020	<1.0	<1.0	<1.0	< 1.0 *	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
	06/10/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0	0.317 J	<1.00	<5.00	<1.00
	08/20/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.303 J	<1.00	<5.00	<1.00
	11/05/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.434 J	<1.00	<5.00	<1.00
	03/19/2021	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.270 J	<1.00	<5.00	<1.00
06/02/2021	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	<1.00	<1.00	<5.00	<1.00	
AMW-15-D1	06/23/2016	0.51 J	< 1.0	20	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 2.5	29	< 1.0	9.9	< 1.0
	07/27/2016	< 5.0	< 5.0	220	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	51	< 5.0	140	< 5.0
	10/26/2016	< 10	< 10	81	< 10	< 10	< 10	< 10	< 10	< 10	< 25	110	3.3 J	8.9 J	< 10
	10/26/2016	< 4.0	< 4.0	38	< 4.0	2.0 J	< 4.0	< 4.0	< 4.0	< 4.0	< 10	180	0.87 J	4.1	< 4.0
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	170	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	5.1	< 4.0	< 4.0	< 4.0	< 4.0	4.1	< 4.0	< 10	200	< 4.0	2.2 J	< 4.0
	10/11/2017	< 2.0	< 2.0	1.6 J	< 2.0	< 2.0	< 2.0	< 2.0	4.3	< 2.0	< 5.0	300 E	< 2.0	< 2.0	< 2.0
	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	2.8 J	< 5.0	< 5.0	5	< 5.0	< 50	170	1.2 J	< 25	< 5.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	0.79 J	< 1.0	< 1.0	2.6	< 1.0	<5.0	120	0.50 J	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	0.36 J	< 1.0	0.66 J	< 1.0	< 1.0	2.3	< 1.0	<5.0	100	0.51 J	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	0.63 J	< 1.0	0.77 J	< 1.0	< 1.0	2.8	< 1.0	<5.0	120	< 1.0	0.41 J	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0 *	0.33 J	< 1.0 *	< 1.0	0.99 J	< 1.0	<5.0	37	< 1.0	< 1.0	< 1.0
	06/10/2020	<25.0	<12.5	<5.00	<5.00	<5.00	<5.00	<25.0	4.05 J	0.535 J	<100	171	<5.00	<25.0	<5.00
	08/19/2020	<25.0	<12.5	<5.00	<5.00	<5.00	<5.00	<25.0	2.57 J	<5.00	<100	94.3	<5.00	<25.0	<5.00
	11/04/2020	<5.00	<2.50	0.362 J	<1.00	<1.00	<1.00	<5.00	1.80	0.216 J	<20.0	76.7	<1.00	<5.00	<1.00
	03/19/2021	<25.0	<12.5 C3	<5.00	<5.00	<5.00	<5.00	<25.0	4.74 J	<5.00	<100	127	<5.00	<25.0	<5.00
	06/02/2021	<5.00	<2.50 J3	<1.00 J3	<1.00 J3	0.674 J J3	<1.00 J3 J4	<5.00 J3	1.55	0.160 J	<20.0	40.2	<1.00	<5.00	<1.00
AMW-15-D2	06/23/2016	< 1.0	< 1.0	3.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	68	< 1.0	< 1.0	< 1.0
	06/23/2016	< 1.0	< 1.0	3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	66	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	43	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	0.86 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	42	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	110 E	< 1.0	< 1.0	< 1.0
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	120	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	5.1	< 4.0	< 10	350	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	160	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	0.26 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	120	< 5.0	< 5.0	< 1.0
	05/10/2019	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	61	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	0.34 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	100	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	96	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	91	< 1.0	< 1.0	< 1.0
	06/09/2020	<5.00	<2.50	0.310 J	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	126	<1.00	<5.00	<1.00
	08/19/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	11.0	<1.00	<5.00	<1.00
	11/04/2020	<5.00	<2.50	0.188 J	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	57.1	<1.00	<5.00	<1.00
	03/19/2021	<5.00	<2.50	0.157 J	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	74.6	<1.00	<5.00	<1.00
06/02/2021	<5.00	<2.50 C3	0.242 J	<1.00	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	57.3	<1.00	<5.00	<1.00	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics													
		Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		7	5	5	0.4	NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	2.4	< 1.0	< 1.0	< 1.0
	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	2.6	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	23	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 4.0	19	< 4.0	< 4.0	< 4.0	< 4.0	3.4 J	< 4.0	< 10	64	< 4.0	2.4 J	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/13/2018	< 2.0	< 2.0	3.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	22	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	0.44 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	10	< 5.0	< 5.0	< 1.0
	05/10/2019	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	16	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	14	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	7.7	< 1.0	0.32 J	< 1.0
	02/11/2020	< 1.0	< 1.0	0.99 J	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	51	< 5.0	< 1.0	< 1.0
	06/09/2020	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00 J4	< 1.00 J4	< 20.0	10.1	< 1.00	< 5.00	< 1.00
	08/19/2020	< 5.00	< 2.50	1.73	< 1.00	< 1.00	< 1.00	< 5.00	0.161 J	< 1.00	< 20.0	72.8	< 1.00	< 5.00	< 1.00
	11/04/2020	< 5.00	< 2.50	0.951 J	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 20.0	80.6	< 1.00	< 5.00	< 1.00
03/19/2021	< 5.00	< 2.50	13.0	< 1.00	0.672 J	< 1.00	< 5.00	1.97	0.672 J	< 20.0	63.6	< 1.00	< 5.00	0.147 J	
06/01/2021	< 5.00	< 2.50 C3	3.81	< 1.00	0.193 J J4	< 1.00	< 5.00	0.562 B J	0.155 J	< 20.0 C3	69.7	< 1.00	< 5.00	< 1.00	
AMW-15-VD	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	1.1	< 1.0	< 1.0	< 1.0
	07/27/2016	0.74 J	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	1.2	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.94 J	< 1.0	< 1.0	< 1.0
	07/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.44 J	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	1.3	< 5.0	< 5.0	< 1.0
	05/10/2019	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	1.1	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	1.1	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00 J4	< 1.00 J4	< 20.0	0.856 J	< 1.00	< 5.00	< 1.00
	08/19/2020	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 20.0	0.684 J	< 1.00	< 5.00	< 1.00
	11/04/2020	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 20.0	0.581 J	< 1.00	< 5.00	< 1.00
	03/19/2021	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 20.0	0.437 J	< 1.00	< 5.00	< 1.00
06/02/2021	< 5.00	< 2.50 C3	< 1.00	< 1.00	< 1.00 J4	< 1.00	< 5.00	< 1.00	< 1.00	< 20.0 C3	0.376 J	< 1.00	< 5.00	< 1.00	
AMW-3	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	57	< 5.0	< 5.0	29	65	< 13	< 5.0	27	15	< 5.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.40 J	< 1.0	< 1.0	< 1.0
AMW-7R	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	1.4 J	1.5 J	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	18	< 1.0	< 1.0	< 1.0	2.8	< 2.5	0.23 J	9.4	< 1.0	< 1.0
	07/11/2018	< 2.0	< 2.0	< 2.0	< 2.0	16	< 2.0	< 2.0	< 2.0	7.1	< 5.0	< 2.0	29	1.1 J	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	29	< 1.0	< 1.0	0.19 J	4.9	< 10	< 1.0	50	< 5.0	< 1.0
	05/10/2019	< 1.0	< 1.0*	< 1.0	< 1.0	19	< 1.0	< 1.0	0.39 J	4.2	< 5.0	< 1.0	31	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	16	< 1.0	< 1.0	< 1.0	4.4	< 5.0	< 1.0	29	0.53 J	< 1.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	11	< 1.0	< 1.0	0.49 J	1.9	< 5.0	< 1.0	7.7	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0 *	17	< 1.0	< 1.0	0.49 J	3.9	< 5.0	< 1.0	24	< 1.0	< 1.0
	06/09/2020	< 5.00	< 2.50	< 1.00	< 1.00	13.5	< 1.00	< 5.00	0.805 J	4	< 20.0	< 1.00	14.9	< 5.00	< 1.00
	08/19/2020	< 5.00	< 2.50	< 1.00	< 1.00	14.6	< 1.00	< 5.00	0.331 J	3.11	< 20.0	< 1.00	25.1	< 5.00	< 1.00
11/06/2020	< 5.00	< 2.50	< 1.00	< 1.00	11.6	< 1.00	< 5.00	< 1.00	3.27	< 20.0	< 1.00	18.9	< 5.00	< 1.00	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics													
		Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		7	5	5	0.4	NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-7R (cont.)	03/19/2021	<5.00	<2.50	<1.00	<1.00	2.77	<1.00	<5.00	<1.00	0.968 J	<20.0	<1.00	7.03	<5.00	<1.00
	06/02/2021	<5.00	<2.50 C3	<1.00	<1.00	11.9 C5 J4	<1.00	<5.00	0.892 B J	2.37	<20.0 C3	<1.00	12.6	<5.00	<1.00
ASB-2	06/06/2016	14	< 1.0	5.6	< 1.0	< 1.0	0.35 J	< 1.0	< 1.0	< 1.0	< 2.5	55	< 1.0	< 1.0	< 1.0
ASB-3	06/08/2016	0.92 J	< 1.0	2.8	< 1.0	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 2.5	8.5	< 1.0	0.60 J	< 1.0
ASB-4	06/07/2016	< 5.0	< 5.0	1600 E	< 5.0	5	< 5.0	< 5.0	6.7	< 5.0	< 13	13	4.5 J	330	< 5.0
ASB-5	06/02/2016	19	< 1.0	2.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	4.6	< 1.0	< 1.0	< 1.0
ASB-7	06/02/2016	21	< 2.0	67	< 2.0	< 2.0	0.65 J	< 2.0	< 2.0	< 2.0	< 5.0	5.5	< 2.0	< 2.0	< 2.0
MW-18R	06/22/2016	< 10	< 10	14	< 10	20	< 10	< 10	< 10	14	< 25	65	4.4 J	< 10	< 10
	07/11/2018	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	11 J	5.1 J	< 20	< 20
	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	8.3 J	< 5.0	< 5.0	1.2 J	6.8	< 50	28	6.2 J	< 25	< 5.0
	09/14/2019	< 1.0	< 1.0	0.38 J	< 1.0	6.7	< 1.0	< 1.0	1.4	7.4	< 5.0	40	5.6	0.68 J	< 1.0
	12/05/2019	< 1.0	< 1.0	0.28 J	< 1.0	7.2	< 1.0	< 1.0	1.6	4.8	< 5.0	14	3.3	0.62 J	< 1.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0 *	0.66 J	< 1.0	< 1.0	< 1.0	0.35 J	< 5.0	< 1.0	0.56 J	< 1.0	< 1.0
	06/09/2020	<25.0	<12.5	<5.00	<5.00	2.51 J	<5.00	<25.0	1.27 J	4.03 J	<100	3.42 J	<5.00	<25.0	<5.00
	03/19/2021	<5.00	<2.50	0.268 J	<1.00	4.84	<1.00	<5.00	0.672 J	3.93	1.31 J	0.765 J	5.86	<5.00	<1.00
	06/02/2021	<5.00	<2.50 C3	<1.00	<1.00	1.44 C5 J4	<1.00	<5.00	0.274 B J	1.11	<20.0 C3	1.06	1.01	<5.00	<1.00
MW-23-D1R	10/26/2016	< 2.0	< 2.0	< 2.0	< 2.0	0.40 J	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	140	< 2.0	< 2.0	< 2.0
	10/26/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	180	< 5.0	< 5.0	< 5.0
	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	210	< 5.0	< 5.0	< 5.0
	06/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	30	< 1.0	< 1.0	< 1.0
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	140	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	130	< 4.0	< 4.0	< 4.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	150	< 4.0	< 4.0	< 4.0
	07/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	91	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	1.7	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	0.56 J	< 10	94	< 5.0	< 5.0	< 1.0
	09/13/2019	< 1.0	< 1.0	0.73 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.35 J	< 5.0	92	< 1.0	0.53 J	< 1.0
	12/05/2019	< 1.0	< 1.0	0.72 J	< 1.0	0.41 J	< 1.0	< 1.0	< 1.0	0.44 J	< 5.0	83	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	0.35 J	< 1.0 *	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 5.0	35	< 1.0	< 1.0	< 1.0
	06/10/2020	<5.00	<2.50	0.382 J	<1.00	<1.00	<1.00	<5.00	<1.00	0.439 J	<20.0	106	<1.00	<5.00	<1.00
	08/19/2020	<5.00	<2.50	0.517 J	<1.00	0.267 J	<1.00	<5.00	<1.00	0.414 J	<20.0	85.5	<1.00	<5.00	<1.00
	11/05/2020	<5.00	<2.50	0.267 J	<1.00	0.259 J	<1.00	<5.00	<1.00	0.314 J	<20.0	98.5	<1.00	<5.00	<1.00
	03/19/2021	<5.00	<2.50	0.196 J	<1.00	<1.00	<1.00	<5.00	<1.00	0.163 J	<20.0	38.7	<1.00	<5.00	<1.00
	06/02/2021	<5.00	<2.50 C3	0.245 J	<1.00	<1.00 J4	<1.00	<5.00	<1.00	0.141 J	<20.0 C3	39.0	<1.00	<5.00	<1.00
MW-23-D2R	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	130	< 5.0	< 5.0	< 5.0
	06/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	26	< 1.0	< 1.0	< 1.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	8	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	72	< 4.0	< 4.0	< 4.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	150 E	< 1.0	< 1.0	< 1.0
	07/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	8.8	<1.0	<1.0	<1.0
	05/09/2019	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	8.8	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	63	< 1.0	0.47 J	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	14	< 1.0	< 1.0	< 1.0
	08/19/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	42.2	<1.00	<5.00	<1.00
11/05/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	71.1	<1.00	<5.00	<1.00	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics													
		Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		7	5	5	0.4	NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	03/18/2021	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	57.0	<1.00	<5.00	<1.00
	06/02/2021	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	32.8	<1.00	<5.00	<1.00
MW-24-D1R	01/13/2016	< 5.0	< 5.0	10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	220	< 5.0	< 5.0	< 5.0
	06/21/2016	< 4.0	< 4.0	4.9	< 4.0	1.9 J	< 4.0	< 4.0	3.1 J	< 4.0	< 10	160	1.3 J	< 4.0	< 4.0
	10/26/2016	< 1.0	< 1.0	4	< 1.0	1.6	< 1.0	< 1.0	2.3	< 1.0	< 2.5	140 E	0.64 J	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	6.1	< 1.0	1.4	< 1.0	< 1.0	2.2	< 1.0	< 2.5	120 E	0.66 J	< 1.0	< 1.0
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	81	< 4.0	< 4.0	< 4.0
	07/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	7.1 J	< 8.0	< 20	290	< 8.0	< 8.0	< 8.0
	10/16/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	6.1	< 5.0	< 50	270	< 25	< 25	< 5.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0	< 1.0	< 5.0	65	< 1.0	< 1.0	< 1.0
	09/13/2019	< 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]	0.97 J [0.86 J]	<5.0 [<5.0]	210 [200]	0.63 J [0.57]	< 1.0 [<1.0]	< 1.0 [<1.0]
	12/05/2019	< 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]	1.0	<5.0 [<5.0]	180 [210]	[0.56 J]	< 1.0 [<1.0]	< 1.0 [<1.0]
	02/11/2020	< 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]	0.61 J [1.0]	<5.0 [<5.0]	210 [220]	< 1.0 [0.57 J]	< 1.0 [<1.0]	< 1.0 [<1.0]
	06/09/2020	<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]	0.954 J [1.08 J]	<100 [<100]	195 [255]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]
	08/19/2020	<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]	0.712 J [0.681 J]	<100 [<100]	220 [206]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]
	11/05/2020	<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]	0.771 J [0.560 J]	<100 [<100]	207 [180]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]
	03/19/2021	<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]	1.04 [0.940 J]	<20.0 [<100]	201 [213]	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]
	06/01/2021	<5.00 [<25.0]	<2.50 C3 [<12.5 C3]	0.133 J [<5.00]	<1.00 [<5.00]	814 J J4 [<5.0]	<1.00 [<5.00]	<5.00 [<25.0]	7.61 [6.22]	0.925 J [0.888 J]	<20.0 C3 [<100]	195 [174]	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]
MW-24-D2	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	260	< 5.0	< 5.0	< 5.0
	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	250	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	0.84 J	< 1.0	< 2.5	140 E	< 1.0	< 1.0	< 1.0
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	120	< 4.0	120	< 4.0
	10/25/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	270	< 5.0	84 F1	< 5.0
	07/05/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 20	220	< 8.0	< 8.0	< 8.0
	08/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 20	87	< 8.0	< 8.0	< 8.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	60	< 2.0	< 2.0	< 2.0
	07/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	2.5	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	0.52 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	2	< 5.0	< 5.0	< 1.0
	05/09/2019	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	13	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.0 U	47	< 1.0	< 1.0	< 1.0
	06/09/2020	<5.00	<2.50	0.467 J	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0	136	<1.00	<5.00	<1.00
	08/18/2020	<5.00	<2.50	0.364 J	<1.00	<1.00	<1.00	<5.00	<1.00	0.141 J	<20.0	76.4	<1.00	<5.00	<1.00
11/05/2020	<5.00	<2.50	0.809 J	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	296	<1.00	<5.00	<1.00	
03/19/2021	0.197 J	<2.50	0.652 J	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	448	<1.00	<5.00	<1.00	
06/01/2021	0.122 J	<2.50 C3	0.514 J	<1.00	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	358	<1.00	<5.00	<1.00	
MW-24-VDR	07/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	4.2	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	0.28 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	2.9	< 5.0	< 5.0	< 1.0
	05/09/2019	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	1.6	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	0.75 J	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	1	< 1.0	< 1.0	< 1.0
	06/09/2020	<5.00	<2.50	0.206 J	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0	0.998 J	<1.00	<5.00	<1.00

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics													
		Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		7	5	5	0.4	NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-24-VDR (cont.)	08/18/2020	<5.00	<2.50	0.140 J	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	1.16	<1.00	<5.00	<1.00
	11/05/2020	<5.00	<2.50	0.218 J	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.944 J	<1.00	<5.00	<1.00
	03/19/2021	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	1.01	<1.00	<5.00	<1.00
	06/01/2021	<5.00	<2.50 C3	0.141 J	<1.00	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	0.782 J	<1.00	<5.00	<1.00
MW-26-D1	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	380	< 5.0	< 5.0	< 5.0
	06/22/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	340	< 4.0	< 4.0	< 4.0
	10/25/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	310	< 10	< 10	< 10
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	3.0 J	< 4.0	< 10	390	< 4.0	3.6 J	< 4.0
	07/05/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	290	< 10	< 10	< 10
	08/27/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	240	< 10	< 10	< 10
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.5	< 2.0	< 5.0	220 E	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	0.42 J	< 1.0	< 5.0	< 1.0	< 1.0	0.95 J	0.43 J	< 10	110	< 5.0	< 5.0	< 1.0
	09/13/2019	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0	< 1.0	1.8	0.73 J	< 5.0	86	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 1.0	0.75 J	< 1.0	< 1.0	< 1.0	< 1.0	1.2	0.56 J	< 5.0	77	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	1.2	< 1.0 *	< 1.0	< 1.0 *	< 1.0	1.3	0.67 J	< 5.0	80	< 1.0	< 1.0	< 1.0
	06/10/2020	<5.00	<2.50	3.28	<1.00	<1.00	<1.00	<5.00	2.47	1.06	<20.0	115	<1.00	<5.00	<1.00
	08/19/2020	<5.00	<2.50	1.45	<1.00	<1.00	<1.00	<5.00	1.38	0.555 J	<20.0	97.4	<1.00	<5.00	<1.00
	11/06/2020	<5.00	<2.50	0.903 J	<1.00	0.189 J	<1.00	<5.00	1.05	0.459 J	<20.0	84.1	<1.00	<5.00	<1.00
06/02/2021	<5.00	<2.50 C3	0.486 J	<1.00	0.191 J J4	<1.00	<5.00	1.99	0.628 J	<20.0 C3	105	<1.00	<5.00	<1.00	
MW-26-D2	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
	06/22/2016	< 1.0	< 1.0	0.86 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	59	< 1.0	< 1.0	< 1.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	85	< 2.0	15	< 2.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	43	< 2.0	81	< 2.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 20	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	14	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	0.39 J	< 1.0	< 10	76	< 5.0	< 5.0	< 1.0
	05/09/2019	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	0.44 J	< 1.0	< 5.0	84	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	60	< 1.0	0.44 J	< 1.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	29	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	0.37 J	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	52	< 1.0	< 1.0	< 1.0
MW-26-VD	06/10/2020	<5.00	<2.50	0.254 J	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	105	<1.00	<5.00	<1.00
	08/19/2020	<5.00	<2.50	0.398 J	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	64.4	<1.00	<5.00	<1.00
MW-27-D1R	01/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.96 J	< 1.0	< 1.0	< 1.0
MW-27-D1R	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	10	< 1.0	< 1.0	< 1.0
	07/05/2017	< 2.0	< 2.0	2.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	84	< 2.0	< 2.0	< 2.0
	08/27/2017	< 2.0	< 2.0	3.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	100	< 2.0	0.94 J	< 2.0
	07/13/2018	< 2.0	< 2.0	2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	62	< 2.0	< 2.0	< 2.0
	10/18/2018	< 1.0	< 1.0	1	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	38	< 5.0	< 5.0	< 1.0
	05/10/2019	< 1.0	< 1.0	0.57 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	18	< 1.0	< 1.0	< 1.0
09/14/2019	< 1.0	< 1.0	0.80 J	< 1.0	< 1.0	< 1.0	< 1.0	0.40 J	< 1.0	< 5.0	33	< 1.0	< 1.0	< 1.0	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics													
		Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		7	5	5	0.4	NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-27-D1R (cont.)	12/05/2019	< 1.0	< 1.0	0.95 J	< 1.0	< 1.0	< 1.0	< 1.0	0.48 J	< 1.0	< 5.0	39	< 1.0	< 1.0	< 1.0
	08/19/2020	<25.0	<12.5	0.855 J	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<100	26.0	<5.00	<25.0	<5.00
	11/06/2020	<25.0	<12.5	1.13 J	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<100	22.2	<5.00	<25.0	<5.00
	03/20/2021	<5.00	<2.50 C3	0.751 J	<1.00	<1.00	<1.00	<5.00	0.263 J	<1.00	<20.0	21.1	<1.00	<5.00	<1.00
	06/02/2021	<5.00	<2.50 C3	0.790 J	<1.00	<1.00 J4	<1.00	<5.00	0.387 B J	<1.00	<20.0 C3	27.6	<1.00	<5.00	<1.00
MW-27-D2	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	22 J	< 4.0	< 4.0	92	38	< 10	8.1	26	5.7	< 4.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	3.4 J	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 5.0	< 5.0	< 1.0
	05/10/2019	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	7.9	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	9.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	4.9	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	4.7	< 1.0	< 1.0	< 1.0
	06/10/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0	0.843 J	<1.00	<5.00	<1.00
	08/19/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	1.21	<1.00	<5.00	<1.00
	11/06/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	03/20/2021	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.380 J	<1.00	<5.00	<1.00
	06/02/2021	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	0.193 B J	<1.00	<20.0 C3	0.132 J	<1.00	<5.00	<1.00
MW-28-D1	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	6.2	< 1.0	< 1.0	< 1.0
	07/28/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	4.7 J	< 10	< 10	< 10
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 2.5	19	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	6.6	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	4.8	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	1.4	0.33 J	< 10	9.5	< 5.0	< 5.0	< 1.0
	05/09/2019	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	0.49 J	< 1.0	< 5.0	7	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.7	0.56 J	< 5.0	22	< 1.0	0.42 J	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	1.0 U	5.0 U	21	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	2.1	0.34 J	< 5.0	34	< 1.0	< 1.0	< 1.0
	06/09/2020	<5.00	<2.50	0.164 J	<1.00	<1.00	<1.00	<5.00	2.5	0.440 J	<20.0	20.1	<1.00	<5.00	<1.00
	08/19/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	0.750 J	<1.00	<20.0	16.5	<1.00	<5.00	<1.00
11/06/2020	<5.00	<2.50	0.305 J	<1.00	0.296 J	<1.00	<5.00	3.68	0.548 J	<20.0	28.8	<1.00	<5.00	<1.00	
06/02/2021	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	1.74	0.221 J	<20.0 C3	7.53	<1.00	<5.00	<1.00	
MW-28-D2R	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	07/28/2016	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	3.2	< 1.0	< 1.0	< 1.0	< 2.5	0.25 J	< 1.0	< 1.0	< 1.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 5.0	< 5.0	< 1.0
	05/09/2019	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics													
		Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene
NYSDEC TOGS 1.1.1		7	5	5	0.4	NE	50	5	5	5	NE	10	NE	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D2R (cont.)	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0	<1.00	<1.00	<5.00	<1.00
	08/19/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	11/06/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	0.108 J	<1.00	<5.00	<1.00
	03/20/2021	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00
	06/02/2021	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	<1.00	<1.00	<5.00	<1.00
MW-29-D1	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	13	< 5.0	< 5.0	< 5.0	24	< 13	34	5.5	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	8	< 1.0	< 1.0	< 1.0	5.4	< 2.5	23	3.8	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	21	< 1.0	< 1.0	< 1.0	16	< 2.5	44	10	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	11	< 1.0	< 1.0	< 1.0	6.4	< 2.5	23	2.5	< 1.0	< 1.0
	07/05/2017	< 2.0	< 2.0	< 2.0	< 2.0	7.6	< 2.0	< 2.0	< 2.0	7.7	< 5.0	71	1.8 J	< 2.0	< 2.0
	08/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	12	< 2.0	< 2.0	< 2.0	9.3	< 5.0	28	5.8	< 2.0	< 2.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	5.4	< 4.0	< 4.0	< 4.0	5.8	< 10	20	1.5 J	< 4.0	< 4.0
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	24	< 4.0	< 4.0	< 4.0	19	< 10	39	11	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	20	< 1.0	< 1.0	0.31 J	16	< 10	33	11	< 5.0	< 1.0
	05/10/2019	< 1.0	< 1.0*	< 1.0	< 1.0	24	< 1.0	< 1.0*	0.34 J	18	< 5.0	51	8.6	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	2.8	< 1.0	< 1.0	< 1.0	2.2	< 5.0	18	1.2	0.48 J	< 1.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	0.47 J	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	12	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 5.0	3.1	< 1.0	< 1.0	< 1.0
	06/10/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	0.107 J	<20.0	22.7	<1.00	<5.00	<1.00
	08/19/2020	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0	29.5	<1.00	<5.00	<1.00
	11/06/2020	<5.00	<2.50	<1.00	<1.00	0.536 J	<1.00	<5.00	<1.00	<1.00	<20.0	28.7	<1.00	<5.00	<1.00
	03/20/2021	<5.00	<2.50	<1.00	<1.00	0.452 J	<1.00	<5.00	<1.00	<1.00	<20.0	26.4	<1.00	<5.00	<1.00
06/02/2021	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00	<1.00	<20.0 C3	1.76	<1.00	<5.00	<1.00	
MW-29-D2	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	66	< 1.0	< 1.0	< 1.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	51	< 1.0	< 1.0	< 1.0
MW-29-VD	01/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.42 J	< 1.0	< 1.0	< 1.0
MW-30-D1	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	0.39 J	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	100 E	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	53	< 1.0	< 1.0	< 1.0
MW-30-D2	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13	7.3	< 5.0	< 5.0	< 5.0
	01/14/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	8.1	< 2.0	< 2.0	< 2.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	3	< 1.0	< 1.0	< 1.0
MW-30-VD	01/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.47 J	< 1.0	< 1.0	< 1.0
MW-31-D1R	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	3.3	< 1.0	< 1.0	< 1.0
MW-31-D2R	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5	0.32 J	< 1.0	< 1.0	< 1.0

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175			
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoro-methane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L
AMW-12	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	NA	NA
AMW-13-D1	06/24/2016	0.38 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	< 2.0	NA	NA	NA	NA
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	9.9	< 2.0	NA	NA	NA	NA
AMW-13-D2	06/23/2016	0.57 J	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
AMW-13-VD	06/23/2016	1.5	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	07/27/2016	1	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
AMW-14-D1	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.4	< 2.0	NA	NA	NA	NA
	07/26/2016	< 1.0	7.1	7.8	< 1.0	< 1.0	< 1.0	1600 E	11	NA	NA	NA	NA
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	78	3.2 J	130	< 150	< 140	1,100
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	7.6	< 8.0	79	< 330	200 J	550
	10/11/2017	< 2.0	1.0 J	13	< 2.0	< 2.0	< 2.0	3.2	20	23	< 170	190	580
	07/12/2018	< 8.0	< 8.0	8.6	< 8.0	< 8.0	< 8.0	< 8.0	16	42	< 660	260 J	2,000
	10/17/2018	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	32	1.6 J	120 B	< 330	< 310	1,600
	05/10/2019	< 1.0	0.84 J	11	< 1.0	< 1.0	< 1.0*	2.1	16	73	150 J	440	1,900
	09/13/2019	< 1.0	< 1.0	3.5	< 1.0	< 1.0	< 1.0	9	< 2.0	150	< 83	< 77	3,600
	12/05/2019	< 1.0	< 1.0	9.0	< 1.0	0.44 J	< 1.0	22	1.8 J	160	13	210	3,800
	02/12/2020	< 1.0	0.58 J	12.0	< 1.0	0.46 J	< 1.0	40	5.7	100 B	160	690	3,000 B
	06/10/2020	<1.00	<1.00	3.79	<1.00	0.218 J	<5.00	5.59	0.780 J	43.1 T8	<13.0	86.3	3,200
	08/19/2020	<1.00	0.465 J	10.8	<1.00	<1.00	<5.00	4.74	4.86	42,500 T8	378	176	3,340
	11/04/2020	<1.00	0.552 J	12.1	<1.00	0.290 J	<5.00	6.16	3.95	28.2 T8	816	225	5,990
	03/19/2021	<1.00	0.439 J	14.3	<1.00	0.342 J	<5.00	25.3	3.77	61.8 P1 T8	110	661	5,200
	06/02/2021	<1.00	0.413 J	16.2	<1.00	0.335 J	<5.00	7.18	3.61	36.4 T8	831	171	6,810
AMW-14-D2	06/23/2016	< 1.0	0.81 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	07/26/2016	< 1.0	0.64 J	0.90 J	< 1.0	< 1.0	< 1.0	3.6	< 2.0	NA	NA	NA	NA
	07/27/2016	0.38 J	7.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	18	< 83	< 77	210
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	100	< 170	< 150	1,200
	07/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	120	< 330	< 310	970
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	150 B	< 330	< 310	2,200
	05/10/2019	< 1.0	< 1.0	0.85 J	< 1.0	< 1.0	< 1.0	0.32 J	< 2.0	150	< 330	< 310	1,900
	09/13/2019	< 1.0	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0	0.65 J	< 2.0	160	< 83	< 77	2,600
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.33 J	< 2.0	170	0.74 J	< 3.0	2,200
	02/12/2020	< 1.0	< 1.0	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	120 B	1.1 J	< 3.0	1,800 B
	06/10/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	4.00 J	69.7 T8	<13.0	<13.0	2,070
	08/19/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<30.0	55,800 T8	<13.0	<13.0	1670
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	26.3 T8	<13.0	<13.0	1,970
03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	44.6 T8	<13.0	<13.0	1,820	
06/02/2021	<1.00	<1.00	0.977 J	<1.00	<1.00	<5.00	6.49	<3.00	47.6 T8	<13.0	<13.0	2,330	
AMW-14-VD	06/23/2016	0.59 J	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.79 J	NA	<13.0	<13.0	1,820
	07/27/2016	0.41 J	8.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	<13.0	<13.0	1,820
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	120	<13.0	<13.0	1,820
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	100	<13.0	<13.0	1,820
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.2	82	<13.0	<13.0	1,820
	07/12/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	120	< 7.5	< 7.0	27

See Notes on Page 41.

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Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175			
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoro-methane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L
AMW-14-VD (cont.)	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	110 B	< 7.5	< 7.0	24
	05/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	130	<7.5 H	<7.0 H	12 H
	09/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	140	<7.5	<7.0	20
	12/05/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	130	< 4.0	<3.0	33
	02/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	100 B	< 4.0	< 3.0	28 B
	06/10/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00	88.9 T8	<13.0	<13.0	467
	08/20/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	82,100 T8	<13.0	<13.0	26.4
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	<20 T8	<13.0	<13.0	48.6
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	82.5 T8	<13.0	<13.0	51.9
06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	99.3 T8	<13.0	<13.0	52.7	
AMW-15-D1	06/23/2016	0.43 J	3	< 1.0	< 1.0	5.5	< 1.0	70	< 2.0	NA	NA	NA	NA
	07/27/2016	< 5.0	7.5	< 5.0	< 5.0	73	< 5.0	410	6.5 J	NA	NA	NA	NA
	10/26/2016	< 10	18	< 10	< 10	48	< 10	600 F1	15 J	NA	NA	NA	NA
	10/26/2016	< 4.0	6.6	< 4.0	< 4.0	18	< 4.0	240	5.5 J	NA	NA	NA	NA
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	10	< 8.0	110	< 150	< 140	400
	08/27/2017	< 4.0	17	28	< 4.0	< 4.0	< 4.0	76	17	27	92 J	830	4,000
	10/11/2017	< 2.0	5.9	13	< 2.0	< 2.0	< 2.0	24	12	34	< 330	470	2,400
	10/17/2018	< 5.0	1.5 J	21	< 5.0	< 5.0	< 5.0	< 5.0	19	40	< 660	< 620	5,100
	05/09/2019	< 1.0	< 1.0	7.4	< 1.0	< 1.0	< 1.0*	1.1	6.3	52	<830	<770	3,200
	09/13/2019	< 1.0	< 1.0	6.7	< 1.0	< 1.0	< 1.0	2	5.1	47	290 J	150 J	4,000
	12/05/2019	< 1.0	0.43 J	7.1	< 1.0	< 1.0	< 1.0	2.2	5.8	39	490	550	6,200
	02/11/2020	< 1.0	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 1.0	1.6 J	20 B	89	49	700 B
	06/10/2020	<5.00	<5.00	5.47	<5.00	<5.00	<25.0	<5.00	6.20 J	<20.0 T8	775	165	6,590
	08/19/2020	<5.00	<5.00	4.20 J	<5.00	<5.00	<25.0	<5.00	2.96 J	<20000 T8	550	27.5	4,380
	11/04/2020	<1.00	<1.00	2.53	<1.00	<1.00	<5.00	<1.00	1.61 J	<20 T8	722	<13.0	5,200
	03/19/2021	<5.00	<5.00	5.63	<5.00	<5.00	<25.0	<5.00	5.23 J	23 T8	1,370	90.7	9,900
06/02/2021	<1.00	<1.00	1.46	<1.00	<1.00	<5.00	<1.00	1.14 J	<20 T8	298	<13.0	1,970	
AMW-15-D2	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8	< 2.0	NA	NA	NA	NA
	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.7	< 2.0	NA	NA	NA	NA
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.5	< 2.0	NA	NA	NA	NA
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.7	< 2.0	NA	NA	NA	NA
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	30	< 2.0	NA	NA	NA	NA
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	98	< 150	< 140	430
	08/27/2017	< 4.0	7.8	5.5	< 4.0	< 4.0	< 4.0	300	12	94	< 170	37 J	880
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	25	< 8.0	68	< 170	< 150	280
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	110	< 330	< 310	560
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	130	<170	<150	520
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.39 J	140	<170	<150	680
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	120	1.3 J	3 U	800
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	97 B	1.9 J	< 3.0	690 B
	06/09/2020	<1.00	<1.00	0.209 J	<1.00	<1.00	<5.00	<1.00	0.225 J	39.8 T8	<13.0	<13.0	920
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	46,600 T8	<13.0	<13.0	409
	11/04/2020	<1.00	<1.00	0.430 J	<1.00	<1.00	<5.00	<1.00	<3.00	21.5 T8	6.37 J	<13.0	809
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	7.82	<3.00	36.2 T8	<13.0	<13.0	19.3
	06/02/2021	<1.00	<1.00	0.682 J	<1.00	<1.00	<5.00	<1.00	<3.00	<20 T8	<13.0	<13.0	1,100

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175			
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoro-methane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L
AMW-15-D3	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	140	< 4.0	16	17	5.1	< 330	< 310	2,400
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	< 5	< 170	< 150	610
	07/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	20	< 2.0	< 2.0	< 4.0	7.6	< 330	< 310	1,500
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	3.5	< 1.0	< 1.0	< 3.0	100	< 170	< 150	2,800
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	0.39 J	< 1.0	< 1.0	< 2.0	140	< 330	< 310	1,600
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	0.54 J	< 1.0	< 1.0	< 2.0	130	< 170	< 150	1,400
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	100	< 4.0	< 3.0	1,400
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	4.3	< 1.0	0.57 J	< 2.0	85 B	3.1 J	< 3.0	1,100 B
	06/09/2020	< 1.00 J4	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 3.00	29.8 T8	< 13.0	< 13.0	1,340
	08/19/2020	< 1.00	< 1.00	0.226 J	< 1.00	8.84	< 5.00	< 1.00	0.376 J	52,200 T8	19.0	< 13.0	2,800
	11/04/2020	< 1.00	< 1.00	< 1.00	< 1.00	4.31	< 5.00	< 1.00	0.174 J	23.4 T8	< 13.0	< 13.0	2,010
	03/19/2021	< 1.00	2.41	0.435 J	< 1.00	51.1	< 5.00	7.44	4.59	< 20 T8	76.3	6.25 J	6,270
06/01/2021	< 1.00	0.448 J	0.213 J	< 1.00	15.3	< 5.00	1.29	0.930 J	< 20 T8	36.7	< 13.0	4,700	
AMW-15-VD	06/23/2016	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	07/27/2016	< 1.0	15	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	31	< 7.5	< 7.0	24
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3	40	< 7.5	< 7.0	8
	07/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	41	< 7.5	< 7.0	37
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	37	< 7.5	< 7.0	27
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	17	< 7.5 H	< 7.0 H	25 H
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	49	< 7.5	< 7.0	22
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	22	< 4.0	< 3.0	51
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	11 B	< 4.0	< 3.0	38 B
	06/09/2020	< 1.00 J4	< 1.00	< 1.00	< 1.00	< 1.00 J4	< 5.00	< 1.00	< 3.00	< 20.0 T8	< 13.0	< 13.0	54.9
	08/19/2020	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 3.00	29,500 T8	< 13.0	< 13.0	44.9
	11/04/2020	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 3.00	< 20 T8	< 13.0	< 13.0	63.3
	03/19/2021	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 3.00	21.7 T8	< 13.0	< 13.0	64.5
	06/02/2021	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 3.00	7,310 J T8	< 13.0	< 13.0	76.2
AMW-3	01/13/2016	< 5.0	6.9	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	20	NA	NA	NA	NA
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
AMW-7R	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	NA	NA
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.79 J	NA	NA	NA	NA
	07/11/2018	< 2.0	1.0 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	82	< 330	< 310	3,500
	10/17/2018	< 1.0	0.60 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.61 J	94 B	< 330	< 310	5,800
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3 J	94	< 330 UH	< 310 UH	3,100 H
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	110	< 170	< 150	3,600
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.73 J	47	1.6 J	< 3.0	6,200
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.86 J	52 B	2.4 J	< 3.0	5,500 B
	06/09/2020	< 1.00 J4	< 1.00	< 1.00	< 1.00	< 1.00 J4	< 5.00	< 1.00	1.66 J	38.1 T8	< 13.0	< 13.0	9,370
	08/19/2020	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	0.990 J	46300 T8	< 13.0	< 13.0	3550
	11/06/2020	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	0.241 J	44.3 T8	4.44 J	< 13.0	7,880

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175			
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoro-methane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L
AMW-7R	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	32.1 T8	<13.0	<13.0	7,700
(cont.)	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	2.53 J	36.4 T8	<13.0	<13.0	10,100
ASB-2	06/06/2016	1.4	0.87 J	< 1.0	< 1.0	4.4	< 1.0	6	< 2.0	NA	NA	NA	NA
ASB-3	06/08/2016	1.3	< 1.0	< 1.0	< 1.0	1.2	< 1.0	81	< 2.0	NA	NA	NA	NA
ASB-4	06/07/2016	6.7	9	13	< 5.0	1500 E	< 5.0	400	36	NA	NA	NA	NA
ASB-5	06/02/2016	1.2	< 1.0	< 1.0	< 1.0	4.8	< 1.0	11	0.89 J	NA	NA	NA	NA
ASB-7	06/02/2016	1.2 J	< 2.0	< 2.0	< 2.0	1.7 J	< 2.0	31	< 4.0	NA	NA	NA	NA
MW-18R	06/22/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	NA	NA	NA	NA
	07/11/2018	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	2.2 J	< 660	< 620	3,800
	10/17/2018	< 5.0	4.1 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5.2 J	11 B	< 660	< 620	9,700
	09/14/2019	< 1.0	4.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.1	32	<660	<620	13,000
	12/05/2019	< 1.0	4.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.2	3 J	21	0.81 J	16,000
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	3.9 J B	< 4.0	< 3.0	89
	06/09/2020	<5.00 J4	3.31 J	<5.00	<5.00	<5.00 J4	<25.0	<5.00	5.52 J	<20.0 T8	8.80 J	<13.0	5,640
	03/19/2021	<1.00	2.36	<1.00	<1.00	<1.00	<5.00	<1.00	4.41	<20 T8	19	<13.0	8,840
	06/02/2021	<1.00	0.979 J	<1.00	<1.00	<1.00	<5.00	<1.00	1.50 J	<20 T8	<13.0	<13.0	5,700
MW-23-D1R	10/26/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	NA	NA	NA	NA
	10/26/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	NA	NA
	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	NA	NA
	06/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	82	< 150	< 140	150
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	75	< 83	< 77	1,500
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	55	< 170	< 150	1,300
	07/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	64	< 330	< 310	4,800
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 3.0	63	< 660	< 620	3,600
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.26 J	< 2.0	68	<83	<77	1,400
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	660	8.2	< 3.0	2,100
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	10 B	3.3 J	< 3.0	770 B
	06/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	0.190 J	29.6 T8	6.78 J	<13.0	1,560
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	41,200 T8	6.95 J	<13.1	1,780
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	23.9 T8	7.51 J	<13.0	2,040
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	29.3 T8	<13.0	<13.0	303
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	22.3 T8	<13.0	<13.0	876
	MW-23-D2R	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	NA
06/20/2016		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
07/05/2017		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	130	< 38	< 35	73
08/27/2017		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	110	< 83	< 77	360
10/12/2017		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 2.0	100	< 170	< 150	200
07/12/2018		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	32	< 170	< 150	290
05/09/2019		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	32	< 170	< 150	290
09/13/2019		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	140	< 170	< 150	700
12/05/2019		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	69	2.9 J	< 3.0	1,500
08/19/2020		<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	54,100 T8	<13.0	<13.0	1,190
11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	32.6 T8	<13.0	<13.0	1,020	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175			
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoro-methane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	03/18/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	53.5 T8	<13.0	<13.0	61
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	61.5 T8	<13.0	<13.0	878
MW-24-D1R	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	99	< 10	NA	NA	NA	NA
	06/21/2016	< 4.0	< 4.0	11	< 4.0	< 4.0	< 4.0	35	9.3	NA	NA	NA	NA
	10/26/2016	< 1.0	0.68 J	6.5	< 1.0	< 1.0	< 1.0	33	7.2	NA	NA	NA	NA
	10/26/2016	< 1.0	0.64 J	6.8	< 1.0	< 1.0	< 1.0	15	6.6	NA	NA	NA	NA
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	NA	NA	NA	NA
	07/12/2018	< 8.0	23	22	< 8.0	< 8.0	< 8.0	160	29	67	130 J	1,100	5,900
	10/16/2018	< 5.0	17	12	< 5.0	< 5.0	< 5.0	22	25	59	< 660	550 J	6,000
	05/09/2019	< 1.0	1.5	2.0	< 1.0	< 1.0	< 1.0	1.5	3.6	98	< 330	< 310	1,600
	09/13/2019	< 1.0 [<1.0]	7.2 [6.4]	16	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	8.0 [9.2]	33 [30]	36 [51]	750	100 J [99]	7,300 [7,700]
	12/05/2019	< 1.0 [<1.0]	1.4 [2.3]	7.0 [16]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	3.4 [5.4]	11 [29]	30 [60]	320	88 [280]	2,400 [8,400]
	02/11/2020	< 1.0 [<1.0]	0.9 J [2.5]	9.5 [14]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	2.3 [7.9]	24 [37]	57 B [57 B]	520 [520]	110 [270]	4,500 B [5900]
	06/09/2020	<5.00 [<5.00]	1.62 J [<5.00]	12.2 [13.8]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	2.86 J [<5.00]	31.1 [34.4]	47.8 T8 [38.3 T8]	419 [549]	230 [147]	5,930 [6,460]
	08/19/2020	<5.00 [<5.00]	<5.00 [<5.00]	12.9 [13.2]	<5.00	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	26.9 [26.3]	47,000 T8 [46,300 T8]	589 [566]	116 [111]	6,530 [6,280]
	11/05/2020	<5.00 [<5.00]	<5.00 [<5.00]	12.8 [9.50]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	24.1 [18.6]	57.2 T8 [48.7 T8]	794 [609]	274 [219]	12,600 [9,970]
	03/19/2021	<1.00 [<5.00]	1.42 [<5.00]	12.6 [11.4]	<1.00 [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]	23.8 [22.7]	<20 T8 [38 T8]	647 [752]	209 [219]	10,400 [11,100]
	06/01/2021	<1.00 [<5.00]	0.944 J [<5.00]	12.9 [10.5]	<1.00 [<5.00]	0.214 J [<5.00]	<5.00 [<25.0 C3]	1.06 [2.21 C3 J]	20.2 [18.0]	38.9 T8 [26.2 T8]	480 [451]	145 [139]	7,940 [6,890]
MW-24-D2	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	180	< 10	NA	NA	NA	NA
	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	170	< 10	NA	NA	NA	NA
	06/21/2016	< 1.0	< 1.0	0.98 J	< 1.0	< 1.0	< 1.0	38	< 2.0	NA	NA	NA	NA
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	20	< 8.0	NA	NA	NA	NA
	10/25/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	280 F1	< 10	NA	NA	NA	NA
	07/05/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	250 F1	< 16	130	< 150	< 140	130
	08/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	72	< 16	110	< 170	< 150	980
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	18	< 4.0	54	< 170	< 150	410
	07/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	15	< 7.5	< 7.0	44
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.23 J	< 3.0	5.7	< 170	< 150	370
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	5.0	< 7.5	< 7.0	< 4.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	15.0	< 7.5	< 7.0	< 4.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	26	1.5 J	0.57 J	270
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	8 B	2.7 J	< 3.0	210 B
	06/09/2020	<1.00 J4	<1.00	0.716 J	<1.00	<1.00 J4	<5.00	0.269 J	<3.00	<20.0 T8	25.3	<13.0	2,180
	08/18/2020	<1.00	<1.00	0.359 J	<1.00	<1.00	<5.00	<1.00	<3.00	<20,000 T8	13.7	<13.0	1,200
11/05/2020	<1.00	<1.00	1.13	<1.00	0.244 J	<5.00	<1.00	<3.00	<20 J T8	57.4	<13.0	5,720	
03/19/2021	<1.00	<1.00	1.19	<1.00	<1.00	<5.00	<1.00	<3.00	24.7 T8	44.7	<13.0	4,500	
06/01/2021	<1.00	<1.00	0.720 J	<1.00	<1.00	<5.00	<1.00	<3.00	22.5 T8	24.8	<13.0	1,920	
MW-24-VDR	07/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	89	2.1 J	2.3 J	160
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.55 J	< 3.0	79	< 7.5	< 7.0	120
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.40 J	< 2.0	92	< 83	< 77	13 J
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.35 J	< 2.0	92	< 7.5	< 7.0	26
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	3.8 J	< 4.0	1.7 J	28
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	85 B	< 4.0	< 3.0	40 B
	06/09/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00	57.7 T8	<13.0	<13.0	77.0

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175			
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoro-methane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L
MW-24-VDR (cont.)	08/18/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	75,500 T8	<13.0	<13.0	55.8
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	28.5 T8	<13.0	<13.0	68.1
	03/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	81.7 T8	<13.0	<13.0	87.1
	06/01/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	45.7 T8	<13.0	<13.0	56.0
MW-26-D1	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	16	< 10	NA	NA	NA	NA
	06/22/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	20	< 8.0	NA	NA	NA	NA
	10/25/2016	< 10	< 10	< 10	< 10	< 10	< 10	18	< 20	NA	NA	NA	NA
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	51	< 8.0	NA	NA	NA	NA
	07/05/2017	< 10	< 10	< 10	< 10	< 10	< 10	28	< 20	120	< 150	< 140	250
	08/27/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	95	< 170	< 150	1,200
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	10	< 7.5	< 7.0	10
	07/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	13	< 4.0	110	< 330	< 310	2,900
	10/17/2018	< 1.0	0.23 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	65 B	< 170	< 150	1,800
	09/13/2019	< 1.0	0.67 J	1.0	< 1.0	< 1.0	< 1.0	19	< 2.0	79	< 170	< 150	4,100
	12/06/2019	< 1.0	0.4 J	0.74 J	< 1.0	< 1.0	< 1.0	12	< 2.0	64	5.3	21	2,400
	02/11/2020	< 1.0	0.46 J	0.92 J	< 1.0	< 1.0	< 1.0	26	< 2.0	45 H B	4.9	21	1,900 B
	06/10/2020	<1.00	0.516 J	2.36	<1.00	<1.00	<5.00	79.3	1.74 J	72.0 T8	15.0	65.8	3,260
	08/19/2020	<1.00	<1.00	1.57	<1.00	<1.00	<5.00	39	1.02 J	34,800 T8	7.93 J	23.2	2,030
	11/06/2020	<1.00	<1.00	1.42	<1.00	<1.00	<5.00	38.8 C5	0.793 J	58.2 T8	12.7 J	39.2	2,820
	06/02/2021	<1.00	0.685 J	3.67	<1.00	<1.00	<5.00	62.4	2.02 J	69.9 T8	31.9	113	3,910
MW-26-D2	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	NA	NA
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 2.0	NA	NA	NA	NA
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	NA	NA	NA	NA
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	NA	NA	NA	NA
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	130	< 7.5	< 7.0	76
	08/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 16	110	< 83	< 77	92
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	55	< 170	< 150	670
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	110 B	< 170	< 150	1,100
	05/09/2019	< 1.0	< 1.0	0.90 J	< 1.0	0.50 J	< 1.0	1.5	< 2.0	130	< 660	< 620	750
	09/13/2019	< 1.0	< 1.0	0.56 J	< 1.0	< 1.0	1.0 U	< 1.0	< 2.0	150	< 83	< 77	1,000
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	140	1.1 J	< 3.0	1,300
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	83 B	0.8 J	< 3.0	710 B
	06/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	0.218 J	57.8 T8	<13.0	<13.0	1,340
08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	47,900 T8	<13.0	<13.0	360	
MW-26-VD	01/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
MW-27-D1R	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	NA	NA
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.97 J	< 2.0	NA	NA	NA	NA
	07/05/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	28	< 4.0	26	< 380	< 350	550
	08/27/2017	< 2.0	< 2.0	5	< 2.0	< 2.0	< 2.0	110	< 4.0	100	< 170	< 150	1,100
	07/13/2018	< 2.0	1.6 J	4.1	< 2.0	< 2.0	< 2.0	88	< 4.0	140	< 660	< 620	3,700
	10/18/2018	< 1.0	1	< 1.0	< 1.0	0.26 J	< 1.0	70	< 3.0	150 B	< 170	< 150	3,900
	05/10/2019	< 1.0	0.44 J	0.96 J	< 1.0	< 1.0	< 1.0	17	< 2.0	97	< 83	< 77	1,600
	09/14/2019	< 1.0	1.2	2.3	< 1.0	< 1.0	< 1.0	25	1.2 J	170	< 330	< 310	1,600

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175			
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoro-methane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L
MW-27-D1R (cont.)	12/05/2019	< 1.0	1.7	3.6	< 1.0	0.37 J	1.0 U	61	1.6 J	170	5.5	40	2,600
	08/19/2020	<5.00	<5.00	1.52 J	<5.00	<5.00	<25.0	33.6	1.12 J	55,300 T8	<13.0	19.9	1,530
	11/06/2020	<5.00	<5.00	2.01 J	<5.00	<5.00	<25.0	26.0 C5	<15.0	83.4 T8	<13.0	27.8	2,010
	03/20/2021	<1.00	0.450 J	1.82	<1.00	<1.00	<5.00	26.9	0.593 J	56.6 T8	9.14 J	39.4	3,920
	06/02/2021	<1.00	0.774 J	2.80	<1.00	0.349 J	<5.00	45.5	1.05 J	88.9 T8	<13.0	46.0	2,310
MW-27-D2	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	NA	NA
	06/21/2016	< 4.0	17	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	68	NA	NA	NA	NA
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	130	< 75	< 70	53
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	100	< 83	< 77	180
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	81	< 170	< 150	350
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	140	< 330	< 310	1,500
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	130 B	< 170	< 150	1,200
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	66	< 170	< 150	310
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	150	< 170	< 150	1,200
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	150	< 4.0	< 3.0	1,600
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	110 B	< 4.0	< 3.0	910 B
	06/10/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	0.181 J	98.7 T8	<13.0	<13.0	1,100
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	75,400 T8	<13.0	<13.0	876
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	60.9 T8	<13.0	<13.0	408
	03/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	93.9 T8	<13.0	<13.0	907
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	56.2 T8	<13.0	<13.0	794
MW-28-D1	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	07/28/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	NA	NA	NA	NA
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	51	< 150	< 140	290
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	15	< 170	< 150	1,000
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	3.8 J	< 170	< 150	520
	10/17/2018	< 1.0	0.39 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.6 J	8.9 B	< 330	< 310	1,500
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.47 J	120	< 660	< 620	1,300
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0	2.2	160	<170	<150	1,600
	12/05/2019	< 1.0	0.53 J	0.25 J	< 1.0	< 1.0	< 1.0	0.68 J	1.9 J	75	33	15	2,500
	02/11/2020	< 1.0	0.62 J	0.35 J	< 1.0	< 1.0	< 1.0	1.7	3	73 B	25	11	1,800 B
	06/09/2020	<1.00 J4	0.578 J	0.205 J	<1.00	<1.00 J4	<5.00	0.625 J	3.11	26.5 T8	12.2 J	<13.0	1,140
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	1.02 J	23,000 T8	<13.0	<13.0	361
	11/06/2020	<1.00	0.497 J	0.362 J	<1.00	<1.00	<5.00	<1.00	4.11	73.8 T8	46.5	<13.0	4,740
06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	1.72 J	35.7 T8	<13.0	<13.0	788	
MW-28-D2R	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	07/28/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	120	< 7.5	< 7.0	67
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	120	< 83	< 77	62
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	91	< 170	< 150	370
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0	91	< 330	< 310	880
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	140 B	< 170	< 150	240
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	42	< 330	< 310	730
09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	160	<7.5	<7.0	620	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics								GC Volatiles - RSK-175			
		Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoro-methane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane
NYSDEC TOGS 1.1.1		5	5	5	0.4	5	5	2	5	NE	NE	NE	NE
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L
MW-28-D2R (cont.)	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	160	< 4.0	<3.0	310
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	100 B	< 4.0	< 3.0	1,000 B
	06/09/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00	90.0 T8	<13.0	<13.0	239
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	90,300 T8	<13.0	<13.0	212
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	85.8 T8	<13.0	<13.0	618
	03/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	68 T8	<13.0	<13.0	416
	06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	68.1 T8	<13.0	<13.0	465
MW-29-D1	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	NA	NA
	06/21/2016	< 1.0	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2	NA	NA	NA	NA
	10/26/2016	< 1.0	3.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	9.7	NA	NA	NA	NA
	10/26/2016	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4	NA	NA	NA	NA
	07/05/2017	< 2.0	2.3	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.7 J	180	< 300	< 280	680
	08/27/2017	< 2.0	1.7 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	4.3	150	< 660	< 620	11,000
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	4.3 J	140	< 170	< 150	5,200
	07/13/2018	< 4.0	3.0 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	5.5 J	180	< 660	< 620	15,000
	10/18/2018	< 1.0	2.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	8.1	210 B	< 1700	< 1500	19,000
	05/10/2019	< 1.0	2.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.3	190	< 83	< 77	9,300 E
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	40	<170	<150	3,200
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	28	1 J	< 3.0	1,100
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	15 B	< 4.0	< 3.0	340 B
	06/10/2020	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00	53.4 T8	5.33 J	<13.0	10,700
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	39,600 T8	<13.0	<13.0	6,710
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	31.7 T8	10.6 J	<13.0	10,700
	03/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	30.9 T8	9.15 J	<13.0	6,640
06/02/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00	27.3 T8	<13.0	<13.0	660	
MW-29-D2	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
MW-29-VD	01/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	NA	NA	NA	NA
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
MW-30-D1	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
MW-30-D2	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	NA	NA	NA	NA
	01/14/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	NA	NA	NA	NA
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
MW-30-VD	01/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	NA	NA	NA	NA
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
MW-31-D1R	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
MW-31-D2R	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Inorganics			General Chemistry		
		Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride
NYSDEC TOGS 1.1.1		300	300	20,000	NE	NE	250
Units		ug/L	ug/L	ug/L	mg/L	ug/L	mg/L
AMW-12	01/14/2016	NA	NA	NA	NA	NA	NA
AMW-13-D1	06/24/2016	3,500	510 B	NA	569,000 B	5,69,000 B	NA
	07/27/2016	NA	NA	NA	NA	NA	NA
AMW-13-D2	06/23/2016	2,700	740 B	NA	1100 B	7,32,000 B	NA
	07/27/2016	NA	NA	NA	NA	NA	NA
AMW-13-VD	06/23/2016	26,100	1100 B	NA	1100 B	7,32,000 B	NA
	07/27/2016	NA	NA	NA	NA	NA	NA
AMW-14-D1	06/24/2016	410	370 B	NA	< 140	8,86,000 B	NA
	07/26/2016	NA	NA	NA	NA	NA	NA
	07/05/2017	4,700	48	16,90,000 ^	NA	7,16,000 B	3,060
	08/27/2017	5,200	49 B	1,730,000	NA	5,63,000 B	3,130
	10/11/2017	4,400	48 B	1,590,000	NA	563,000	1,860
	07/12/2018	1,600	14 B	975,000	NA	6,23,000 B	2,970
	10/17/2018	5,000	55 B	1,560,000	NA	673,000	3,620
	05/10/2019	5,780	94.9	1,740,000	NA	805,000	3,700
	09/13/2019	3,630	70.2	1,680,000	NA	779,000	3,000
	12/05/2019	6,940	59	1,100,000	NA	582,000	2,100
	02/12/2020	5,170	41.1	967,000	NA	386,000	2,400
	06/10/2020	1,800	33.3	1,380,000	NA	613,000	2,750
	08/19/2020	8,480	131	1,930,000	NA	678	2,950
	11/04/2020	3,130	22.0	986,000	NA	581,000	3,030
	03/19/2021	12,500	150	1,950,000	NA	808,000	3,950
	06/02/2021	3,040	70.9	1,890,000	NA	719,000	3,180
AMW-14-D2	06/23/2016	6,600	510 B	NA	740 B	7,40,000 B	NA
	07/26/2016	NA	NA	NA	NA	NA	NA
	07/27/2016	NA	NA	NA	NA	NA	NA
	08/27/2017	34 J	16 B	13,500	NA	4,39,000 B	4,930
	10/11/2017	17,300	760 B	3,260,000	NA	830,000	4,070
	07/12/2018	2,500	78 B	2,210,000	NA	7,85,000 B	4,380
	10/17/2018	2,700	100 B	2,230,000	NA	4,85,000 B	4,510
	05/10/2019	548	80.1	2,080,000	NA	822,000	4,200
	09/13/2019	1,870	86.3	2,070,000	NA	823,000	3,400
	12/05/2019	6,830	135	2,380,000	NA	727,000	4,200
	02/12/2020	5,590	116	1,630,000	NA	810,000	4,500
	06/10/2020	5,070	119	1,990,000	NA	744,000	4,190
	08/19/2020	17,800	340	2,510,000	NA	832	4,380
	11/05/2020	3,290	104	1,950,000	NA	692,000	4,330
	03/19/2021	28,300	506	2,530,000	NA	750,000	5,310
	06/02/2021	4,590	137	2,340,000	NA	473,000	3,020
AMW-14-VD	06/23/2016	28,300	506	2,530,000	427	427,000	NA
	07/27/2016	28,300	506	2,530,000	NA	NA	NA
	07/05/2017	28,300	506	2,530,000	NA	4,40,000 B	15,200
	08/27/2017	28,300	506	2,530,000	NA	4,15,000 B	15,400
	10/11/2017	28,300	506	2,530,000	NA	454,000	16,200
	07/12/2018	18,400	410 B	8,660,000	NA	4,72,000 B	19,400

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Inorganics			General Chemistry		
		Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride
NYSDEC TOGS 1.1.1		300	300	20,000	NE	NE	250
Units		ug/L	ug/L	ug/L	mg/L	ug/L	mg/L
AMW-14-VD (cont.)	10/17/2018	18,500	390 B	9,100,000	NA	4,09,000 B	16,300
	05/10/2019	14,700	387	71,50,000 B	NA	493,000	110,000
	09/13/2019	15,200	376	6,810,000	NA	493,000	14,000
	12/05/2019	18,800	432	8,960,000	NA	493,000	17,000
	02/12/2020	12,800	339	5,740,000	NA	495,000	15,000
	06/10/2020	17,600	381	8,070,000	NA	528,000	18,000
	08/20/2020	16700	389	8,790,000	NA	527	17,000
	11/05/2020	18,000	396	7,940,000	NA	501,000	17,200
	03/19/2021	18,500	395	8,320,000	NA	522,000	17,300
06/02/2021	18,900	396	8,510,000	NA	542,000	16,100	
AMW-15-D1	06/23/2016	2,200	500 B	NA	602	602,000	NA
	07/27/2016	NA	NA	NA	NA	NA	NA
	10/26/2016	1,900 B	70 B	NA	130	130,000	NA
	10/26/2016	95 B	110 B	NA	528	528,000	NA
	07/05/2017	2,100	84	17,50,000 ^	NA	597,000	73.2
	08/27/2017	12,400	170 B	1,520,000	NA	4,71,000 B	2,480
	10/11/2017	6,900	100 B	17,10,000 ^	NA	641,000	2,760
	10/17/2018	3,900	320	989,000	NA	442,000	1,910
	05/09/2019	3,340	335	1,170,000	NA	422,000	2,500
	09/13/2019	3,740	311	1,160,000	NA	254,000	1,700
	12/05/2019	3,550	243	1,200,000	NA	424,000	2,000
	02/11/2020	4,740	303	1,050,000	NA	206,000	1,800
	06/10/2020	512	150	1,050,000	NA	393,000	2,010
	08/19/2020	1,320	126	1,460,000	NA	442	1990
	11/04/2020	800	80.5	1,030,000	NA	425,000	2,250
	03/19/2021	13,700	113	1,210,000	NA	598,000	2,590
	06/02/2021	597	55.6	1,040,000	NA	466,000	2,050
AMW-15-D2	06/23/2016	110	5.8 B	NA	50 B	1,81,000 B	NA
	06/23/2016	120	6.3 B	NA	185	185,000	NA
	07/27/2016	NA	NA	NA	NA	NA	NA
	10/26/2016	50 B	85 B	NA	99.9	99,900	NA
	10/26/2016	< 50	98 B	NA	600	600,000	NA
	07/05/2017	700	110	20,90,000 ^	NA	687,000	3,700
	08/27/2017	3,500	140 B	2,200,000	NA	6,73,000 B	3,650
	10/11/2017	4,500	130 B	21,50,000 ^	NA	811,000	3,710 F1
	10/17/2018	750	55	2,130,000	NA	461,000	3,790
	05/10/2019	328	72	2,030,000	NA	672,000	4,200
	09/13/2019	493	54.6	2,030,000	NA	649,000	3,800
	12/05/2019	739	62.7	1,870,000	NA	636,000	4,000
	02/11/2020	978	69.9	1,820,000	NA	651,000	4,200
	06/09/2020	595	75.7	1,580,000	NA	610,000	3,750
	08/19/2020	10,500	150	2,230,000	NA	413	2410
	11/04/2020	963	76.6	1,940,000	NA	540,000	4,150
	03/19/2021	14,800	258	2,220,000	NA	590,000	3,500
	06/02/2021	10,100	97.9	2,220,000	NA	313,000	935

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Inorganics			General Chemistry		
		Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride
NYSDEC TOGS 1.1.1		300	300	20,000	NE	NE	250
Units		ug/L	ug/L	ug/L	mg/L	ug/L	mg/L
AMW-15-D3	06/23/2016	98	250 B	NA	2,980,000 ^	6,17,000 B	NA
	06/23/2016	120	240 B	NA	< 5	12,200 B	NA
	07/27/2016	NA	NA	NA	NA	NA	NA
	08/27/2017	2,300	450 B	29,80,000 ^	NA	4,08,000 B	4,230
	10/11/2017	450	99 B	25,00,000 ^	NA	508,000	7,530
	07/13/2018	3,100	1,100 B	3,870,000	NA	5,18,000 B	4,670
	10/17/2018	260	200	2,610,000	NA	108,000	7,380
	05/10/2019	301	222	2,730,000	NA	616,000	8,800
	09/13/2019	612	231	2,720,000	NA	646,000	4,400
	12/05/2019	349	97.4	1,550,000	NA	594,000	5,300
	02/11/2020	3,631	106	1,330,000	NA	626,000	2,600
	06/09/2020	1,130	138	1,690,000	NA	676,000	4,630
	08/19/2020	3,030	871	3,930,000	NA	479	8160
	11/04/2020	795	131	1,660,000	NA	649,000	4,790
	03/19/2021	439	484	2,960,000	NA	310,000	3,000
	06/01/2021	657	628	3,350,000	NA	493,000	683
AMW-15-VD	06/23/2016	4,200	200 B	NA	303	303,000	NA
	07/27/2016	NA	NA	NA	NA	NA	NA
	08/27/2017	11,800	350 B	8,910,000	NA	135,000 B	16,100
	10/11/2017	11,700	340 B	91,80,000 ^	NA	329,000	16,000
	07/13/2018	10,600	320 B	8,290,000	NA	3,57,000 B	19,200
	10/17/2018	10,700	310	8,770,000	NA	271,000	13,200
	05/10/2019	3,600	287	8,560,000	NA	432,000	18,000
	09/13/2019	7,650	192	5,240,000	NA	429,000	16,000
	12/05/2019	5,150	220	6,360,000	NA	478,000	17,000
	02/11/2020	2,850	157	4,770,000	NA	468,000	15,000
	06/09/2020	5,330	213	6,680,000	NA	517,000	18,000
	08/19/2020	6,080	230	6,370,000	NA	509	17,000
	11/04/2020	4,530	280	8,440,000	NA	523,000	17,300
	03/19/2021	10,200	288	8,660,000	NA	523,000	17,300
	06/02/2021	663	12.8	204,000	NA	238,000	6,130
AMW-3	01/13/2016	NA	NA	NA	NA	NA	NA
	06/21/2016	16,200	1,400 B	NA	351	351,000	NA
AMW-7R	01/12/2016	NA	NA	NA	NA	NA	NA
	06/21/2016	170	74 B	NA	2,900 B	1,99,000 B	NA
	07/11/2018	20,000	2,500 B	199,000	NA	8,81,000 B	253
	10/17/2018	12,500	2,900 B	168,000	NA	997,000	192
	05/10/2019	8,080	2,770	105,000	NA	558,000	120 F1
	09/14/2019	6,840	2,770	95,700	NA	651,000	62
	12/06/2019	4,790	1,420	93,300	NA	462,000	80
	02/12/2020	24,900	2,730	86,900	NA	597,000	85
	06/09/2020	16,000	2,270	93,200	NA	516,000	100
	08/19/2020	94900	3080	113,000	NA	656	86.6
	11/06/2020	33,200	3,500	111,000	NA	723,000	78.2

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Inorganics			General Chemistry		
		Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride
NYSDEC TOGS 1.1.1		300	300	20,000	NE	NE	250
Units		ug/L	ug/L	ug/L	mg/L	ug/L	mg/L
AMW-7R (cont.)	03/19/2021	35,500	2,390	234,000	NA	615,000	547
	06/02/2021	21,800	2,160	168,000	NA	514,000	262
ASB-2	06/06/2016	NA	NA	NA	NA	NA	NA
ASB-3	06/08/2016	NA	NA	NA	NA	NA	NA
ASB-4	06/07/2016	NA	NA	NA	NA	NA	NA
ASB-5	06/02/2016	NA	NA	NA	NA	NA	NA
ASB-7	06/02/2016	NA	NA	NA	NA	NA	NA
MW-18R	06/22/2016	11,500 B	470 B	NA	20,000 B	5,15,000 B	NA
	07/11/2018	1,400	17 B	161,000	NA	1,84,000 B	367
	10/17/2018	450	26 B	193,000	NA	365,000	259
	09/14/2019	11,700	110	310,000	NA	386,000	480
	12/05/2019	3,100	30.8	323,000	NA	225,000	400
	02/12/2020	9,770	49.9	45,100	NA	24,400	77
	06/09/2020	5,240	28.9	204,000	NA	101,000	269
	03/19/2021	1,450	11.7	191,000	NA	131,000	223
	06/02/2021	1,270	18.5	362,000	NA	83,300	835
MW-23-D1R	10/26/2016	< 50	21 B	NA	555	555,000	NA
	10/26/2016	240 B	670 B	NA	525	525,000	NA
	01/12/2016	NA	NA	NA	NA	NA	NA
	06/20/2016	660	690 B	NA	485	485,000	NA
	07/05/2017	17,100	3,100	11,90,000 ^	NA	500,000	1,970
	08/27/2017	33,900	2200 B	11,90,000 ^	NA	5,12,000 B	2,190
	10/12/2017	3,800	1000 B	12,30,000 ^	NA	562,000	2,270
	07/12/2018	4,300	810 B	1,360,000	NA	4,95,000 B	2,250
	10/17/2018	1,900	930	1,220,000	NA	360,000	2,260
	09/13/2019	1,460	636	971,000	NA	467,000	2,000
	12/05/2019	2,020	852	389,000	NA	309,000	1,300
	02/11/2020	2,650	191	474,000	NA	173,000	730
	06/10/2020	1,430	511	1,240,000	NA	320,000	1,690
	08/19/2020	6,320	1,260	1,300,000	NA	543	2,340
	11/05/2020	3,260	1,050	1,300,000	NA	401,000	2,030
	03/19/2021	105,000	4,350	1,310,000	NA	469,000	2,470
	06/02/2021	5,830	1,660	1,280,000	NA	583,000	2,310
MW-23-D2R	01/12/2016	NA	NA	NA	NA	NA	NA
	06/20/2016	40 J	110 B	NA	543	543,000	NA
	07/05/2017	4,400	210	21,90,000 ^	NA	520,000	5,260
	08/27/2017	1,800	170 B	19,30,000 ^	NA	4,34,000 B	5,420
	10/12/2017	2,800	140 B	25,70,000 ^	NA	654,000	4,460
	07/12/2018	1,660	279	1,930,000	NA	587,000	3,800
	05/09/2019	1,660	279	1,930,000	NA	587,000	3,800
	09/13/2019	25,700	2,350	1,600,000	NA	415,000	2,500
	12/05/2019	26,100	2,120	1,410,000	NA	349,000	2,400
	08/19/2020	46,200	290	2,340,000	NA	505	3,710
	11/05/2020	12,700	2,830	1,900,000	NA	398,000	3,730

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Inorganics			General Chemistry		
		Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride
NYSDEC TOGS 1.1.1		300	300	20,000	NE	NE	250
Units		ug/L	ug/L	ug/L	mg/L	ug/L	mg/L
MW-23-D2R (cont.)	03/18/2021	8,940	139	2,220,000	NA	667,000	4,360
	06/02/2021	1,520	267	2,010,000	NA	540,000	3,500
MW-24-D1R	01/13/2016	NA	NA	NA	NA	NA	NA
	06/21/2016	32 J	60 B	NA	550 J	6,42,000 B	NA
	10/26/2016	< 50	49 B	NA	526	526,000	NA
	10/26/2016	58 B	8.9 B	NA	324	324,000	NA
	10/26/2016	24 J B	59 B	NA	577	577,000	NA
	07/12/2018	10,100	120 B	2,140,000	NA	8,75,000 B	4,220
	10/16/2018	2,900	91	1,070,000	NA	583,000	2,370
	05/09/2019	4,120	79.6	1,720,000	NA	572,000	3,900
	09/13/2019	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]
	12/05/2019	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]
	02/11/2020	196 [426]	13.1 J [15]	13,70,000 [15,40,000]	NA	3,78,000 [5,30,000]	2,300 [2,500]
	06/09/2020	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]
	08/19/2020	674 [819]	9.41 J [14.6]	14,40,000 [14,70,000]	NA	423 [485]	2,360 [2,390]
	11/05/2020	486 [631]	9.69 J [10.4]	1,430,000 [1,420,000]	NA	290,000 [287,000]	2,380 [2,310]
	03/19/2021	415 [4,070]	7.67 J [42.5]	1,430,000 [1,330,000]	NA	461,000 [523,000]	2,640 [2,750]
	06/01/2021	722 [2,570]	12.4 [39.2]	1,480,000 [1,560,000]	NA	475,000 [586,000]	2,730 [2,840]
MW-24-D2	01/13/2016	NA	NA	NA	NA	NA	NA
	01/13/2016	NA	NA	NA	NA	NA	NA
	06/21/2016	40 J	55 B	NA	298,000 B	7,41,000 B	NA
	10/25/2016	49 J	62	NA	512	512,000	NA
	10/25/2016	< 50	56	NA	759	759,000	NA
	07/05/2017	1,800	88	25,20,000 ^	NA	667,000	4,060
	08/27/2017	6,600	160 B	2,260,000	NA	7,74,000 B	4,100
	10/11/2017	5,500	140 B	23,80,000 ^	NA	804,000	3,720
	07/12/2018	1,100	33 B	94,900	NA	1,14,000 B	182
	10/17/2018	610	32	1,08,000 ^	NA	102,000	201
	05/09/2019	391	7.7 J	100,000	NA	112,000	89
	09/13/2019	2,160	35.6	81,400	NA	108,000	49
	12/05/2019	2,090	58.7	366,000	NA	190,000	550
	02/11/2020	1,450	22.2	349,000	NA	482,000	340
	06/09/2020	380	24.8	471,000	NA	267,000	805
	08/18/2020	436	32.8	518,000	NA	235	728
	11/05/2020	491	36.4	819,000	NA	241,000	724
	03/19/2021	1,960	51.9	1,210,000	NA	607,000	2,240
	06/01/2021	1,480	56.0	1,470,000	NA	674,000	2,360
MW-24-VDR	07/12/2018	37900	910 B	8,960,000	NA	4,54,000 B	16,000
	10/17/2018	26,100	740	8,730,000	NA	416,000	13,100
	05/09/2019	25,200	597	6,100,000	NA	461,000	16,000
	09/13/2019	8,910	235	2,520,000	NA	295,000	7,300
	12/05/2019	36,500	694	9,030,000	NA	446,000	17,000
	02/11/2020	31,500	523	7,000,000	NA	474,000	15,000
	06/09/2020	37,100	454	7,320,000	NA	337,000	13,700

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Inorganics			General Chemistry		
		Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride
NYSDEC TOGS 1.1.1		300	300	20,000	NE	NE	250
Units		ug/L	ug/L	ug/L	mg/L	ug/L	mg/L
MW-24-VDR (cont.)	08/18/2020	44,900	578	8,910,000	NA	332	12,800
	11/05/2020	45,100	588	8,850,000	NA	388,000	15,800
	03/19/2021	63,900	687	8,250,000	NA	459,000	17,300
	06/01/2021	53,700	574	8,160,000	NA	413,000	15,500
MW-26-D1	01/12/2016	NA	NA	NA	NA	NA	NA
	06/22/2016	< 50	35 B	NA	569,000 B	5,69,000 B	NA
	10/25/2016	< 50	25	NA	479	479,000	NA
	10/25/2016	< 50	37	NA	591	591,000	NA
	07/05/2017	230	41	15,70,000 ^	NA	542,000	2,520
	08/27/2017	640	48 B	1,500,000	NA	5,32,000 B	2,530
	10/11/2017	190	75 B	304,000	NA	177,000	483
	07/13/2018	320	35 B	1,640,000	NA	558,000	2,810
	10/17/2018	280	24 B	1,510,000	NA	416,000	2,540
	09/13/2019	93.9 J	19.2	1,400,000	NA	542,000	3,000
	12/06/2019	364	18	1,260,000	NA	405,000	2,000
	02/11/2020	1,080	25.6	1,440,000	NA	405,000	2,100
	06/10/2020	553	21.4	1,300,000	NA	438,000	2,400
	08/19/2020	1,340	31.4	1,370,000	NA	500	2,360
	11/06/2020	554	21.4	1,360,000	NA	387,000	2,340
	06/02/2021	805	28.3	1,320,000	NA	443,000	2,330
MW-26-D2	01/12/2016	NA	NA	NA	NA	NA	NA
	06/22/2016	490 B	700 B	NA	344	344,000	NA
	10/25/2016	55	63	NA	NA	NA	NA
	10/25/2016	< 50	140	NA	653	653,000	NA
	07/05/2017	970	420	39,30,000 ^	NA	348,000	9,010
	08/27/2017	970	310 B	3,370,000	NA	379,000	7,980
	10/11/2017	1,100	160 B	2,770,000	NA	435,000	8,600
	10/17/2018	150	52 B	2,190,000	NA	509,000	3,820
	05/09/2019	466	75.2	2,420,000	NA	684,000	5,000
	09/13/2019	207	65.6	2,270,000	NA	702,000	4,000
	12/06/2019	54.4 J	59.8	2,340,000	NA	628,000	4,000
	02/11/2020	348	88.8	2,500,000	NA	588,000	3,900
	06/10/2020	84.3 J	68.3	2,190,000	NA	671,000	4,390
08/19/2020	402	99.5	2,280,000	NA	638	4,160	
MW-26-VD	01/13/2016	NA	NA	NA	NA	NA	NA
	06/22/2016	74,000 B	2,600 B	NA	61 B	1,76,000 B	NA
MW-27-D1R	01/13/2016	NA	NA	NA	NA	NA	NA
	06/21/2016	430	200 B	NA	51,600	7,95,000 B	NA
	07/05/2017	2,800	56	11,30,000 ^	NA	3,94,000 B	2,860
	08/27/2017	1,300	330 B	960,000	NA	884,000	5,640
	07/13/2018	8,200	170 B	1,690,000	NA	5,26,000 B	2,770
	10/18/2018	2,100	61 B	1,770,000	NA	725,000	3,890
	05/10/2019	51,600	456	1,900,000	NA	579,000	3,500
	09/14/2019	12,800	161	2,090,000	NA	724,000	3,400

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Inorganics			General Chemistry		
		Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride
NYSDEC TOGS 1.1.1		300	300	20,000	NE	NE	250
Units		ug/L	ug/L	ug/L	mg/L	ug/L	mg/L
MW-27-D1R (cont.)	12/05/2019	1,310	51.9	1,920,000	NA	762,000	3,800
	08/19/2020	10,600	156	2,710,000	NA	945	5,060
	11/06/2020	10,900	176	2,140,000	NA	652,000	3,870
	03/20/2021	8,780	150	2,160,000	NA	788,000	4,300
	06/02/2021	59,600	622	2,230,000	NA	795,000	4,330
MW-27-D2	01/13/2016	NA	NA	NA	NA	NA	NA
	06/21/2016	1,300	38 B	NA	940 B	2,79,000 B	NA
	07/05/2017	12,400	550	26,90,000 ^	NA	4,08,000 B	6,330
	08/27/2017	11,600	1,200 B	31,40,000 ^	NA	303,000	9,140
	10/12/2017	9,500	1,700 B	44,60,000 ^	NA	374,000	8,290
	07/13/2018	4,600	340 B	2,530,000	NA	3,63,000 B	7,510
	10/18/2018	2,800	940 B	3,580,000	NA	195,000	8,300
	05/10/2019	902	197	505,000	NA	599,000	4,100
	09/14/2019	4,080	272	1,120,000	NA	638,000	3,500
	12/05/2019	1,190	174	1,620,000	NA	526,000	3,600
	02/12/2020	1,920	230	1,940,000	NA	511,000	3,800
	06/10/2020	887	97.6	1,880,000	NA	496,000	4,660
	08/19/2020	747	199	2,470,000	NA	397	3,690
	11/06/2020	1,360	996	3,260,000	NA	323,000	7,520
	03/20/2021	10,600	1,610	4,090,000	NA	291,000	8,920
	06/02/2021	12,700 O1	1,600 O1	4,510,000	NA	275,000	9,290
MW-28-D1	06/24/2016	79	68 B	NA	667,000	7,45,000 B	NA
	07/28/2016	NA	NA	NA	NA	NA	NA
	07/05/2017	3,600	67	418,000 ^	NA	457,000	3,120
	08/27/2017	740	19 B	10,40,000 ^	NA	393,000	3,310
	10/11/2017	950	27 B	998,000	NA	196,000	1,530
	10/17/2018	980	22 B	386,000	NA	102,000	945
	05/09/2019	2,480	89	1,940,000	NA	667,000	3,300
	09/13/2019	511	63.1	1,970,000	NA	735,000	2,900
	12/05/2019	169	10.4 J	874,000	NA	337,000	1,800
	02/11/2020	253	49.4	1,160,000	NA	495,000	1,900
	06/09/2020	226	47.8	1,360,000	NA	472,000	2,570
	08/19/2020	167	57.7	1,410,000	NA	496	2,490
	11/06/2020	54.8 J	51.3	1,540,000	NA	548,000	3,110
06/02/2021	88.9 J	40.0	1,340,000	NA	305,000	1,410	
MW-28-D2R	06/24/2016	52,800	1,100 B	NA	182	182,000	NA
	07/28/2016	NA	NA	NA	NA	NA	NA
	07/05/2017	6,800	340	38,10,000 ^	NA	334,000	9,090
	08/27/2017	6,000	500 B	5,340,000	NA	3,37,000 B	11,300 B
	10/11/2017	9,300	470 F1 B	4,750,000	NA	412,000	6,670
	07/13/2018	5,200	190 B	3,000,000	NA	4,68,000 B	4,010
	10/17/2018	2,200	710 B	4,670,000	NA	333,000	9,820
	05/09/2019	569	224	2,850,000	NA	385,000	7,600
09/13/2019	450	241	2,700,000	NA	428,000	4,600	

See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Inorganics			General Chemistry		
		Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride
NYSDEC TOGS 1.1.1		300	300	20,000	NE	NE	250
Units		ug/L	ug/L	ug/L	mg/L	ug/L	mg/L
MW-28-D2R (cont.)	12/06/2019	463	989	4,430,000	NA	349,000	7,400
	02/11/2020	252	184	1,620,000	NA	276,000	3,600
	06/09/2020	5,050	1,730	4,130,000	NA	339,000	18,800
	08/19/2020	48,300	855	5,750,000	NA	343	9,550
	11/06/2020	5,890	370	2,760,000	NA	395,000	6,460
	03/20/2021	4,220	1,190	5,210,000	NA	347,000	10,800
	06/02/2021	7,120	1,290	5,370,000	NA	348,000	10,900
MW-29-D1	01/14/2016	NA	NA	NA	NA	NA	NA
	06/21/2016	520	270 B	NA	4.3 J	5,67,000 B	NA
	10/26/2016	220 B	250 B	NA	540	540,000	NA
	10/26/2016	< 50	5.2 B	NA	547	547,000	NA
	07/05/2017	460	350	9,51,000 ^	NA	556,000	1,610
	08/27/2017	2,400	150 B	24,70,000 ^	NA	5,60,000 B	1,580
	10/12/2017	3,400	300 B	8,93,000 ^	NA	619,000	1,530
	07/13/2018	1,300	340 B	988,000	NA	5,63,000 B	1,680
	10/18/2018	1,500	270 B	960,000	NA	535,000	1,550
	05/10/2019	1,450	470	839,000	NA	469,000	1,700
	09/14/2019	4,370	58.4	23,500	NA	40,100	58
	12/06/2019	673	32.1	75,900	NA	63,500	130
	02/12/2020	2,040	131	105,000	NA	62,700	160
	06/10/2020	741	161	643,000	NA	273,000	1,050
	08/19/2020	1,360	172	574,000	NA	256	950
	11/06/2020	199	146	460,000	NA	208,000	795
	03/20/2021	8,750	205	524,000	NA	285,000	975
	06/02/2021	42,600	484	437,000	NA	174,000	566
MW-29-D2	01/14/2016	NA	NA	NA	NA	NA	NA
	06/21/2016	64	150 B	NA	430 B	4,53,000 B	NA
MW-29-VD	01/14/2016	NA	NA	NA	NA	NA	NA
	06/21/2016	390	62 B	NA	229 B	2,29,000 B	NA
MW-30-D1	01/14/2016	NA	NA	NA	NA	NA	NA
	06/22/2016	360 B	93 B	NA	841 B	8,41,000 B	NA
MW-30-D2	01/14/2016	NA	NA	NA	NA	NA	NA
	01/14/2016	NA	NA	NA	NA	NA	NA
	06/22/2016	< 50	110 B	NA	755 B	7,55,000 B	NA
MW-30-VD	01/14/2016	NA	NA	NA	NA	NA	NA
	06/22/2016	4,900 B	260 B	NA	713 B	7,13,000 B	NA
MW-31-D1R	01/14/2016	NA	NA	NA	NA	NA	NA
	06/22/2016	230 B	25 B	NA	221 B	2,21,000 B	NA
MW-31-D2R	01/14/2016	NA	NA	NA	NA	NA	NA
	06/22/2016	2,200 B	430 B	NA	508 B	5,08,000 B	NA

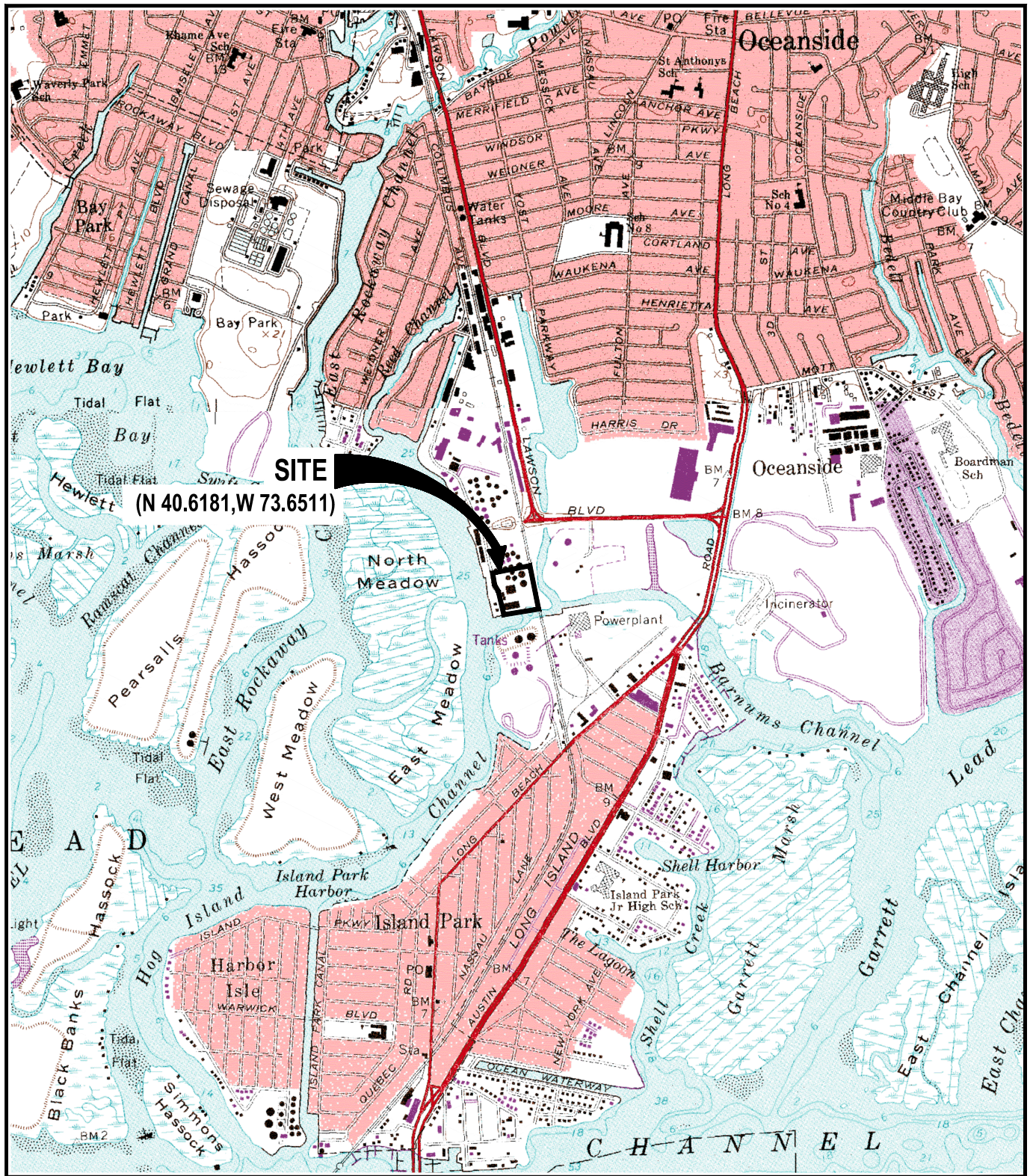
See Notes on Page 41.

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2021
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

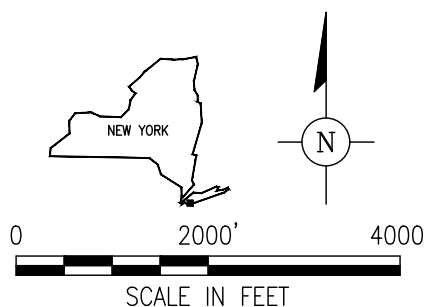


Notes:
ID = Identification
NYSDEC = New York State Department of Environmental Conservation
TOGS = NYSDEC Technical and Operational Guidance Series ambient water quality standards and guidance values of June 1998
ug/L = micrograms per liter
Bolded values = compound was detected
Shaded cells = concentration 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



FORMER GULF OIL TERMINAL
 (CHEVRON FACILITY #6518040)
 OCEANSIDE, NEW YORK

SITE LOCATION MAP



FIGURE

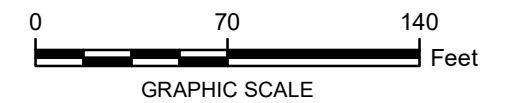
1

City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: av00976
TA: ENV/Chevron Oceanside NY/ProgressReport/mt/SitePlan.mxd 4/28/2021 10:28:01 AM



LEGEND:

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



NOTE:

- 2017 IMAGERY OBTAINED FROM GOOGLE EARTH.

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

SITE PLAN



City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: msi01059
T1: ENV\Chevron_Oceanside_NY\2020\Report\GW_d1\Horizon_ContourMapJune2021.mxd 06/22/2021 12:09:04 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
- GROUNDWATER ELEVATION IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
- NOT USED TO GENERATE CONTOURS

GRAPHIC SCALE

0 70 140 Feet

NOTE:

- 2017 IMAGERY OBTAINED FROM GOOGLE EARTH.
- THE WELLS WERE GAUGED DURING LOW TIDE.

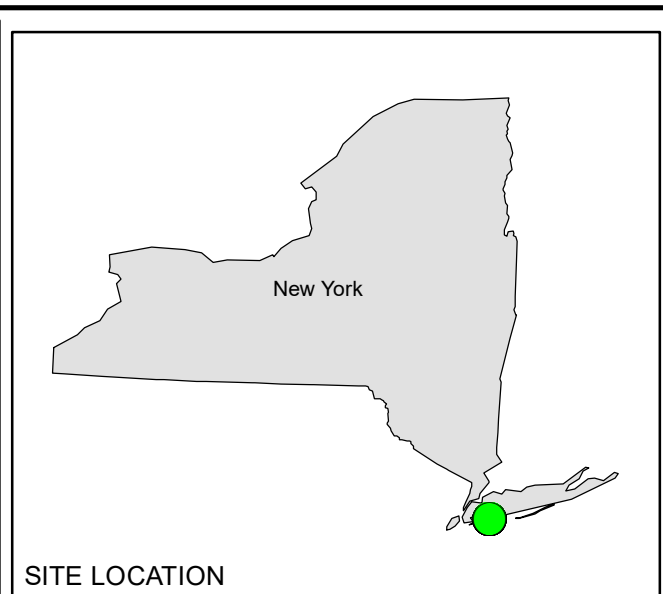
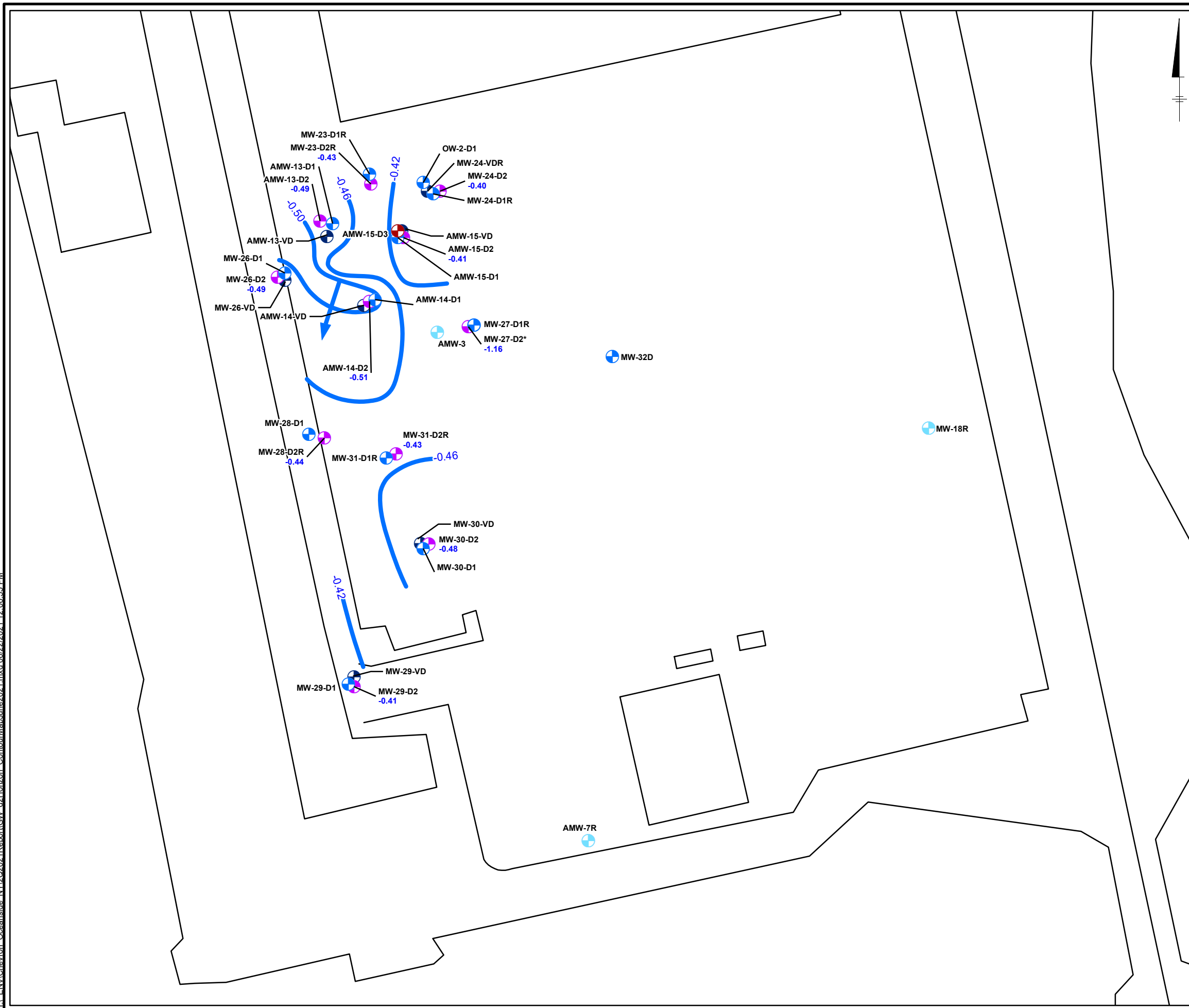
CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

**D1 HORIZON GROUNDWATER
CONTOUR MAP
JUNE 01, 2021**

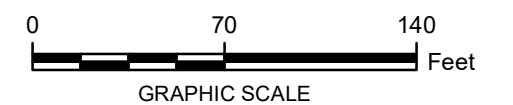
ARCADIS

**FIGURE
3**

City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: msi01059
T:\ENV\Chevron_Oceanside_NY\2020\1\Report\GWL_d2\Horizon_ContourMapJune2021.mxd 06/22/2021 12:06:55 PM



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



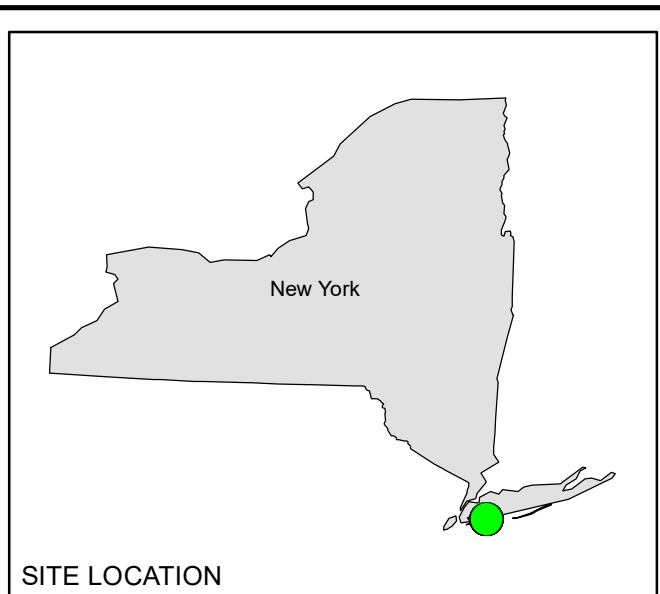
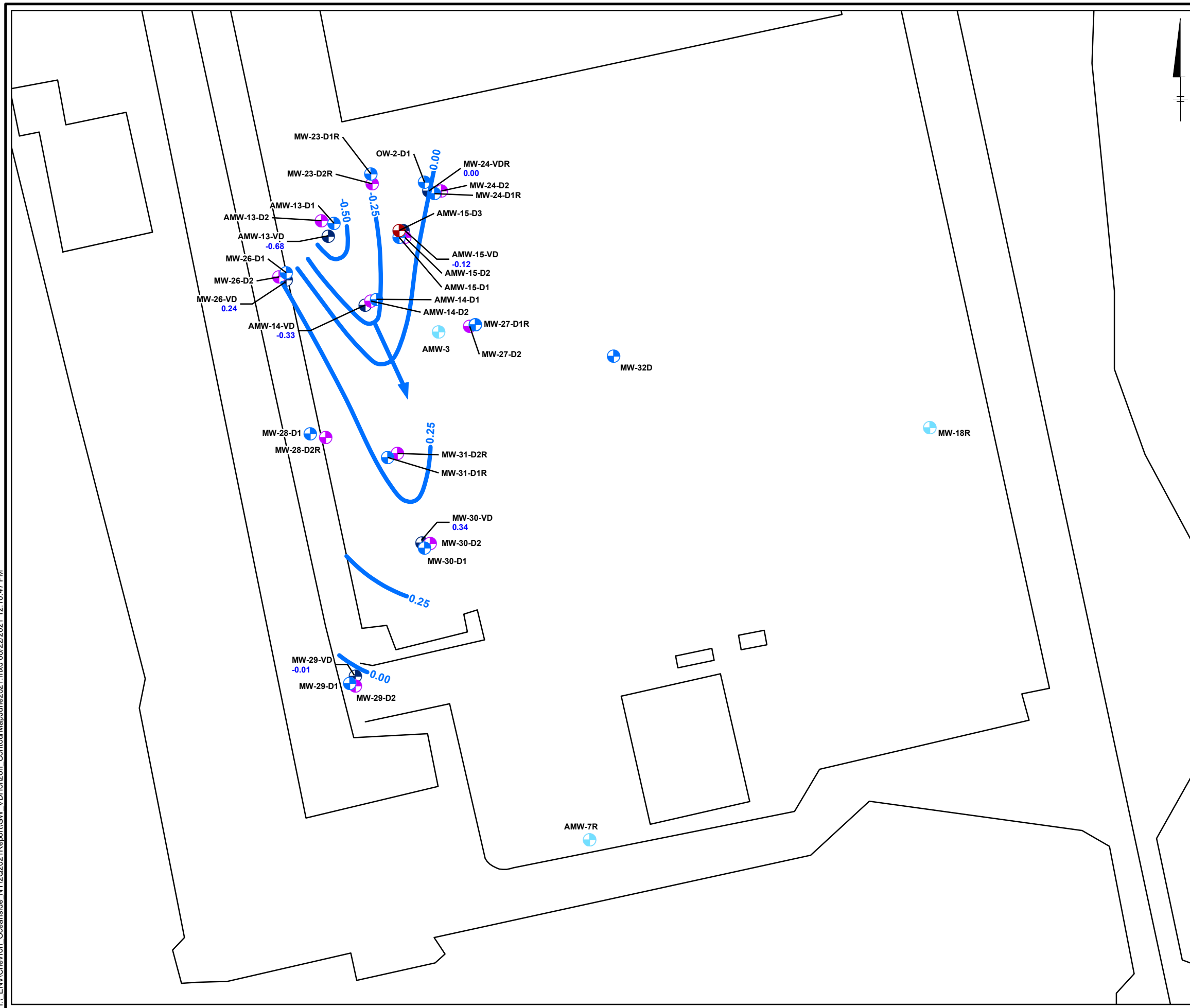
- NOTE:
- 2017 IMAGERY OBTAINED FROM GOOGLE EARTH.
 - THE WELLS WERE GAUGED DURING LOW TIDE.

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

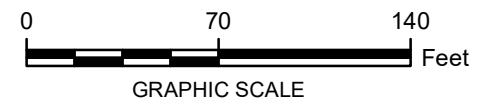
**D2 HORIZON GROUNDWATER
CONTOUR MAP
JUNE 01, 2021**



City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: msf01059
T:\ENVChevron_Oceanside_NY\2020\Report\GW_VD\Horizon_ContourMapJune2021.mxd 06/22/2021 12:10:47 PM



- LEGEND:
- SHALLOW FILL UNIT MONITORING WELLS
 - D1 HORIZON MONITORING WELLS
 - D2 HORIZON MONITORING WELLS
 - D3 HORIZON MONITORING WELLS
 - VD HORIZON MONITORING WELLS
 - 0.33 GROUNDWATER ELEVATION CONTOUR (NAVD 88)
 - GROUNDWATER ELEVATION CONTOUR (NAVD 88)
 - APPROXIMATE FLOW DIRECTION



- NOTE:
- 2017 IMAGERY OBTAINED FROM GOOGLE EARTH.
 - THE WELLS WERE GAUGED DURING LOW TIDE.

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

VD HORIZON GROUNDWATER
CONTOUR MAP
JUNE 01, 2021

| FIGURE
5

Sample ID	MW-23-D2R
Sample Date	6/2/2021
Benzene	0.0948 B J
Ethylbenzene	<1.00
Methyl t-butyl ether	32.8
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	MW-23-D1R
Sample Date	6/2/2021
Benzene	0.158 J
Ethylbenzene	<1.00
Methyl t-butyl ether	39.0
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	MW-26-D1
Sample Date	6/2/2021
Benzene	8.13
Ethylbenzene	1.99
Methyl t-butyl ether	105
trans-1,2-Dichloroethene	3.67
Vinyl Chloride (Chloroethene)	62.4
Xylene (total)	2.02 J

Sample ID	AMW-14-D1
Sample Date	6/2/2021
Benzene	6.24
Ethylbenzene	6.68
Methyl t-butyl ether	164
trans-1,2-Dichloroethene	16.2
Vinyl Chloride (Chloroethene)	7.18
Xylene (total)	3.61

Sample ID	AMW-14-D2
Sample Date	6/2/2021
Benzene	0.249 B J
Ethylbenzene	0.138 B J
Methyl t-butyl ether	20.7
trans-1,2-Dichloroethene	0.977 J
Vinyl Chloride (Chloroethene)	6.49
Xylene (total)	<3.00

Sample ID	AMW-14-VD
Sample Date	6/2/2021
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

Sample ID	MW-28-D1
Sample Date	6/2/2021
Benzene	4.45
Ethylbenzene	1.74
Methyl t-butyl ether	7.53
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	1.72 J

Sample ID	MW-28-D2R
Sample Date	6/2/2021
Benzene	0.174 B J
Ethylbenzene	<1.00
Methyl t-butyl ether	<1.00
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	MW-29-D1
Sample Date	6/2/2021
Benzene	<1.00
Ethylbenzene	<1.00
Methyl t-butyl ether	1.76
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	MW-24-VDR
Sample Date	6/1/2021
Benzene	0.126 B J
Ethylbenzene	<1.00
Methyl t-butyl ether	0.782 J
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	MW-24-D2
Sample Date	6/1/2021
Benzene	0.681 B J
Ethylbenzene	<1.00
Methyl t-butyl ether	358
trans-1,2-Dichloroethene	0.720 J
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	MW-24-D1R
Sample Date	6/1/2021
Benzene	10.7 [9.19]
Ethylbenzene	7.61 [6.22]
Methyl t-butyl ether	195 [174]
trans-1,2-Dichloroethene	12.9 [10.5]
Vinyl Chloride (Chloroethene)	1.06 [1.21 C3 J]
Xylene (total)	20.2 [18.0]

Sample ID	AMW-15-VD
Sample Date	6/2/2021
Benzene	0.120 B J
Ethylbenzene	<1.00
Methyl t-butyl ether	0.376 J
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	AMW-15-D3
Sample Date	6/1/2021
Benzene	2.75
Ethylbenzene	0.562 B J
Methyl t-butyl ether	69.7
trans-1,2-Dichloroethene	0.213 J
Vinyl Chloride (Chloroethene)	1.29
Xylene (total)	0.930 J

Sample ID	AMW-15-D2
Sample Date	6/2/2021
Benzene	0.824 B J
Ethylbenzene	<1.00
Methyl t-butyl ether	57.3
trans-1,2-Dichloroethene	0.682 J
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

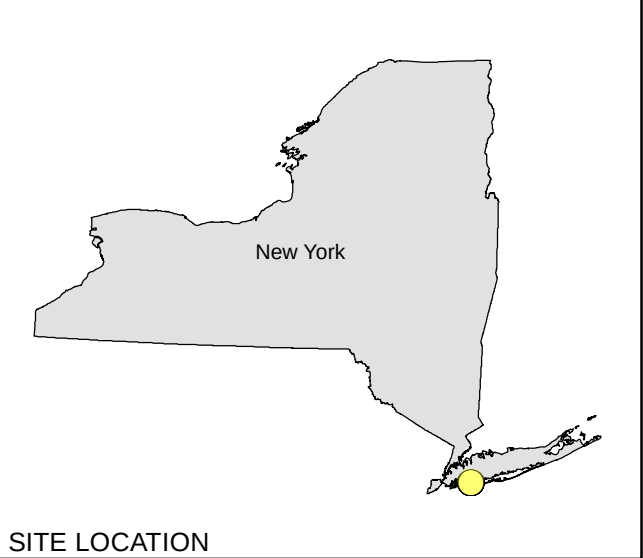
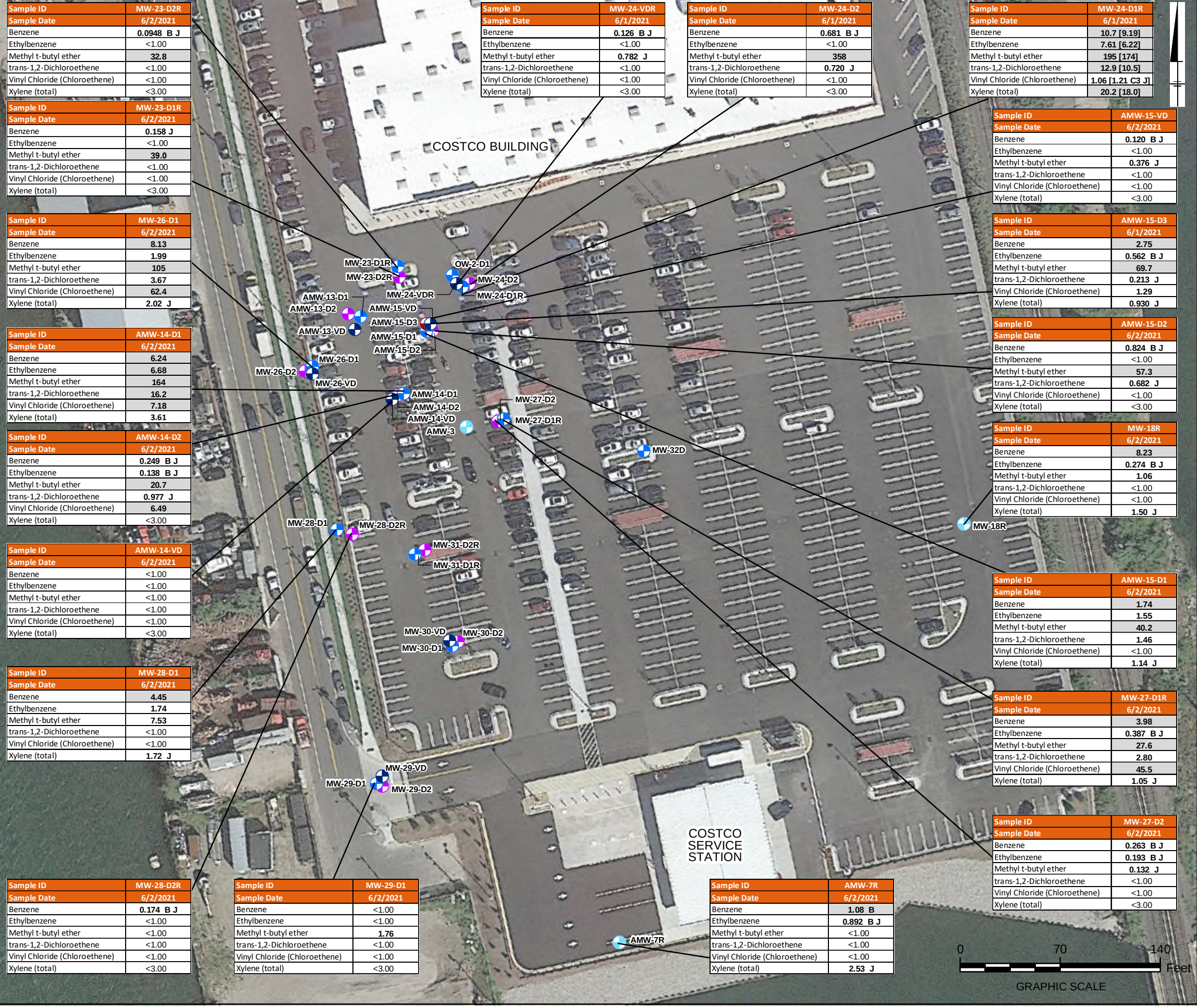
Sample ID	MW-18R
Sample Date	6/2/2021
Benzene	8.23
Ethylbenzene	0.274 B J
Methyl t-butyl ether	1.06
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	1.50 J

Sample ID	AMW-15-D1
Sample Date	6/2/2021
Benzene	1.74
Ethylbenzene	1.55
Methyl t-butyl ether	40.2
trans-1,2-Dichloroethene	1.46
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	1.14 J

Sample ID	MW-27-D1R
Sample Date	6/2/2021
Benzene	3.98
Ethylbenzene	0.387 B J
Methyl t-butyl ether	27.6
trans-1,2-Dichloroethene	2.80
Vinyl Chloride (Chloroethene)	45.5
Xylene (total)	1.05 J

Sample ID	MW-27-D2
Sample Date	6/2/2021
Benzene	0.263 B J
Ethylbenzene	0.193 B J
Methyl t-butyl ether	0.132 J
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	AMW-7R
Sample Date	6/2/2021
Benzene	1.08 B
Ethylbenzene	0.892 B J
Methyl t-butyl ether	<1.00
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	2.53 J



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

NOTES:
2017 IMAGERY OBTAINED FROM GOOGLE EARTH.
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 = ANALYTE 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.
[] = DUPLICATE ANALYSIS RESULTS
< = LESS THAN INDICATED REPORTING LIMIT
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

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

GROUNDWATER ANALYTICAL RESULTS
JUNE 01 THROUGH 02, 2021

ARCADIS

FIGURE 6

Attachment 1

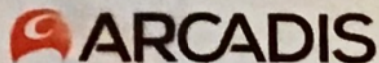
Groundwater Gauging and Sampling Logs

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

Voc
21.6

DTB after Sampling

~~9.45~~ ~~9.75~~ ~~78.78~~ 41.54

Project Name: Chevron OceansideField Personnel: Kirk Vargas and Steve MesserDate: 6/1/21Weather: cloudy

Well ID	Time	pH	Temp (deg C)	Cond (Ms/cm3)	DO (mg/L)	ORP (mV)	Date	ST	Notes
✓ MW-24D2	1020	7.78	15.54	8.462	1.68	-247.8	6/1/21	1020	
✓ MW-24DIR	1050	7.50	15.39	8.656	1.55	-279.6	6/1/21	1050	(BD)
✓ MW-24VDR	2345	7.83	15.53	5.179	0.40	-203.1	6/1/21	2345	
✓ AMW-15-D3	2358	12.11	15.24	4.264	0.45	-364.4	6/1/21	2358	
✓ AMW-15-VD	0021	10.09	15.58	1.380	5.06	-174.8	6/2/21	0021	
✓ AMW-15-D1	0055	7.62	15.33	5.605	0.78	-164.5	6/2/21	0055	
✓ MW-28-D1	1840	7.18	15.81	5.212	3.03	-260.1	6/2/21	1840	
* MW-26-D2							6/2/21	~~1900~~	No Sample
✓ MW-18R	1930	7.35	17.27	3.173	0.34	-255.6	6/2/21	1930	
✓ AMW-7R	2000	7.09	15.71	1.736	0.15	-222.7	6/2/21	2000	
✓ MW-26-D1	2020	6.81	14.12	7.428	1.15	-250.8	6/2/21	2020	
✓ AMW-14-D2	2115	7.06	14.81	3.946	1.13	-131.3	6/2/21	2115	
✓ AMW-14-VD	2130	7.07	15.04	11.38	0.58	-151.3	6/2/21	2130	
✓ AMW-14-D2	2150	7.38	14.65	4.380	1.62	-269.6	6/2/21	2150	
✓ MW-27-D1R	2210	6.65	14.63	11.46	4.31	-265.0	6/2/21	2210	
✓ MW-27-D2	2230	6.69	15.37	11.49	0.16	-273.9	6/2/21	2230	
✓ MW-23-D2R	2255	6.96	15.08	9.645	2.12	-173.2	6/2/21	2255	
✓ MW-23-D1R	2310	7.08	15.18	3.531	1.17	-262.3	6/2/21	2310	
✓ AMW-15-D2	2330	9.19	15.36	3.472	0.32	-224.3	6/2/21	2330	
✓ MW-21-D2R	2350	8.27	14.46	3.059	4.19	-118.5	6/2/21	2350	
✓ MW-29-D2	2359	7.21	17.39	0.249	2.29	-168.2	6/2/21	2359	

Attachment 2

Laboratory Analytical Report

Arcadis - Chevron - NY

Sample Delivery Group: L1361795
Samples Received: 06/04/2021
Project Number: 30062947.19.21
Description: POD 4 - Oceanside 6518040
Site: 6518040
Report To: Ryan Merrell
27-01 Queens Plaza North
Suite 800
New York City, NY 11101

Entire Report Reviewed By:



Chris McCord
Project Manager

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

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

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	4
Cn: Case Narrative	12
Sr: Sample Results	15
MW-27-D2-W-210602 L1361795-01	15
MW-28-D2R-W-210602 L1361795-02	18
MW-24-D2-W-210601 L1361795-03	21
MW-24-VDR-W-210601 L1361795-04	24
AMW-15-VD-W-210602 L1361795-05	27
AMW-7R-W-210602 L1361795-06	30
AMW-14-VD-W-210602 L1361795-07	33
AMW-14-D2-W-210602 L1361795-08	36
MW-28-D1-W-210602 L1361795-09	39
MW-23-D2R-W-210602 L1361795-10	42
AMW-15-D2-W-210602 L1361795-11	45
AMW-15-D3-W-210601 L1361795-12	48
MW-23-D1R-W-210602 L1361795-13	51
AMW-15-D1-W-210602 L1361795-14	54
MW-27-D1R-W-210602 L1361795-15	57
MW-26-D1-W-210602 L1361795-16	60
MW-29-D1-W-210602 L1361795-17	63
AMW-14-D1-W-210602 L1361795-18	66
MW-24-D1R-W-210601 L1361795-19	69
MW-18R-W-210602 L1361795-20	72
BD-W-210601 L1361795-21	75
FB-W-210602 L1361795-22	78
FB-W-210601 L1361795-23	81
TB-W-210602 L1361795-24	84
Qc: Quality Control Summary	85
Wet Chemistry by Method 2320 B-2011	85
Wet Chemistry by Method 3500Fe B-2011	88
Wet Chemistry by Method 353.2	90
Wet Chemistry by Method 4500CO2 D-2011	92
Wet Chemistry by Method 4500S2 D-2011	95
Wet Chemistry by Method 9056A	98
Wet Chemistry by Method 9060A	102
Metals (ICP) by Method 6010C	104
Volatile Organic Compounds (GC) by Method RSK175	106
Volatile Organic Compounds (GC/MS) by Method 8260C	109

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Gl: Glossary of Terms

Al: Accreditations & Locations

Sc: Sample Chain of Custody

120

122

123

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

SAMPLE SUMMARY

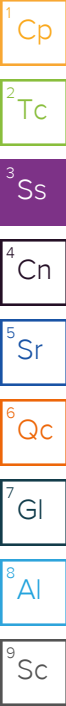
MW-27-D2-W-210602 L1361795-01 GW

Collected by
SM/KV

Collected date/time
06/02/21 22:30

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 12:11	06/19/21 12:11	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686249	1	06/13/21 07:25	06/13/21 07:25	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1686098	10	06/10/21 13:03	06/10/21 13:03	ARM	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	1	06/11/21 14:51	06/11/21 14:51	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686249	1	06/13/21 07:25	06/13/21 07:25	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:27	06/09/21 11:27	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 13:07	06/14/21 13:07	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683868	1	06/07/21 15:47	06/07/21 15:47	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 12:11	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	10	06/18/21 23:32	06/19/21 20:43	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 09:43	06/08/21 09:43	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/11/21 22:38	06/11/21 22:38	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 06:03	06/15/21 06:03	ACG	Mt. Juliet, TN



MW-28-D2R-W-210602 L1361795-02 GW

Collected by
SM/KV

Collected date/time
06/02/21 23:50

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 12:24	06/19/21 12:24	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686249	1	06/13/21 07:40	06/13/21 07:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	1	06/08/21 12:21	06/08/21 12:21	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	1	06/11/21 14:53	06/11/21 14:53	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686249	1	06/13/21 07:40	06/13/21 07:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:27	06/09/21 11:27	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 13:37	06/14/21 13:37	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	500	06/14/21 13:52	06/14/21 13:52	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683868	1	06/07/21 16:03	06/07/21 16:03	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 12:24	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	10	06/18/21 23:32	06/19/21 20:46	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 09:47	06/08/21 09:47	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/11/21 23:00	06/11/21 23:00	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 06:23	06/15/21 06:23	ACG	Mt. Juliet, TN

MW-24-D2-W-210601 L1361795-03 GW

Collected by
SM/KV

Collected date/time
06/01/21 20:20

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 12:26	06/19/21 12:26	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686249	1	06/13/21 07:47	06/13/21 07:47	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	1	06/08/21 12:22	06/08/21 12:22	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	1	06/11/21 17:52	06/11/21 17:52	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686249	1	06/13/21 07:47	06/13/21 07:47	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684459	1	06/09/21 13:39	06/09/21 13:39	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/14/21 14:08	06/14/21 14:08	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 14:23	06/14/21 14:23	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683868	5	06/07/21 16:21	06/07/21 16:21	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 12:26	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	5	06/18/21 23:32	06/19/21 20:49	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 09:56	06/08/21 09:56	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/11/21 23:23	06/11/21 23:23	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 06:43	06/15/21 06:43	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688929	10	06/15/21 15:56	06/15/21 15:56	BMB	Mt. Juliet, TN

SAMPLE SUMMARY

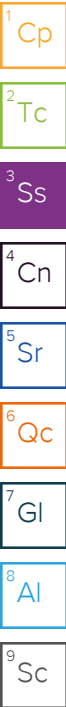
MW-24-VDR-W-210601 L1361795-04 GW

Collected by
SM/KV

Collected date/time
06/01/21 23:45

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 12:30	06/19/21 12:30	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 10:40	06/11/21 10:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	200	06/08/21 12:51	06/08/21 12:51	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	1	06/11/21 14:56	06/11/21 14:56	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 10:40	06/11/21 10:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684459	1	06/09/21 13:40	06/09/21 13:40	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 14:39	06/14/21 14:39	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	500	06/14/21 14:54	06/14/21 14:54	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683868	5	06/07/21 16:33	06/07/21 16:33	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 12:30	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	10	06/18/21 23:32	06/19/21 20:51	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 10:01	06/08/21 10:01	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/11/21 23:46	06/11/21 23:46	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 07:03	06/15/21 07:03	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688929	1	06/15/21 15:16	06/15/21 15:16	BMB	Mt. Juliet, TN



AMW-15-VD-W-210602 L1361795-05 GW

Collected by
SM/KV

Collected date/time
06/02/21 00:21

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 12:33	06/19/21 12:33	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 10:49	06/11/21 10:49	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	1	06/08/21 12:24	06/08/21 12:24	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	1	06/11/21 17:53	06/11/21 17:53	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 10:49	06/11/21 10:49	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:28	06/09/21 11:28	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 15:41	06/14/21 15:41	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683868	5	06/07/21 17:22	06/07/21 17:22	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 12:33	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 20:25	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 10:12	06/08/21 10:12	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 00:08	06/12/21 00:08	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 07:23	06/15/21 07:23	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688929	1	06/15/21 15:36	06/15/21 15:36	BMB	Mt. Juliet, TN

AMW-7R-W-210602 L1361795-06 GW

Collected by
SM/KV

Collected date/time
06/02/21 20:00

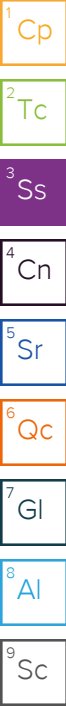
Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 12:41	06/19/21 12:41	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 10:58	06/11/21 10:58	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	50	06/08/21 12:25	06/08/21 12:25	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	1	06/11/21 14:58	06/11/21 14:58	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 10:58	06/11/21 10:58	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:28	06/09/21 11:28	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/14/21 16:55	06/14/21 16:55	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683868	1	06/07/21 17:44	06/07/21 17:44	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 12:41	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 20:28	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 10:17	06/08/21 10:17	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1685001	10	06/08/21 16:47	06/08/21 16:47	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 00:29	06/12/21 00:29	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 07:43	06/15/21 07:43	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

AMW-14-VD-W-210602 L1361795-07 GW

				Collected by SM/KV	Collected date/time 06/02/21 21:30	Received date/time 06/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 12:45	06/19/21 12:45	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 11:06	06/11/21 11:06	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	50	06/08/21 12:26	06/08/21 12:26	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	1	06/11/21 15:06	06/11/21 15:06	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 11:06	06/11/21 11:06	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:28	06/09/21 11:28	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 17:41	06/14/21 17:41	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	500	06/14/21 17:56	06/14/21 17:56	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683868	1	06/07/21 18:24	06/07/21 18:24	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 12:45	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	20	06/18/21 23:32	06/19/21 20:54	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 10:22	06/08/21 10:22	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 00:51	06/12/21 00:51	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 08:03	06/15/21 08:03	ACG	Mt. Juliet, TN



AMW-14-D2-W-210602 L1361795-08 GW

				Collected by SM/KV	Collected date/time 06/02/21 21:15	Received date/time 06/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 12:48	06/19/21 12:48	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 11:14	06/11/21 11:14	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	1	06/08/21 12:27	06/08/21 12:27	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	20	06/11/21 15:07	06/11/21 15:07	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 11:14	06/11/21 11:14	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:29	06/09/21 11:29	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/14/21 18:12	06/14/21 18:12	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 18:27	06/14/21 18:27	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683868	1	06/07/21 19:29	06/07/21 19:29	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 12:48	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	5	06/18/21 23:32	06/19/21 20:57	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 10:32	06/08/21 10:32	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 01:13	06/12/21 01:13	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 08:23	06/15/21 08:23	ACG	Mt. Juliet, TN

MW-28-D1-W-210602 L1361795-09 GW

				Collected by SM/KV	Collected date/time 06/02/21 18:40	Received date/time 06/04/21 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 12:51	06/19/21 12:51	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 11:22	06/11/21 11:22	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	1	06/08/21 12:27	06/08/21 12:27	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	1	06/11/21 15:09	06/11/21 15:09	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 11:22	06/11/21 11:22	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:30	06/09/21 11:30	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/14/21 18:43	06/14/21 18:43	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 19:29	06/14/21 19:29	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683868	1	06/07/21 19:48	06/07/21 19:48	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 12:51	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	5	06/18/21 23:32	06/19/21 21:00	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 10:37	06/08/21 10:37	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 01:35	06/12/21 01:35	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 08:42	06/15/21 08:42	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

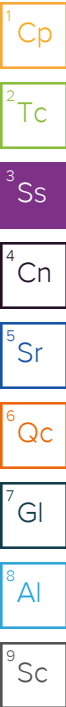
MW-23-D2R-W-210602 L1361795-10 GW

Collected by
SM/KV

Collected date/time
06/02/21 22:55

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 12:54	06/19/21 12:54	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 11:31	06/11/21 11:31	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	1	06/08/21 12:29	06/08/21 12:29	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	20	06/11/21 15:10	06/11/21 15:10	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 11:31	06/11/21 11:31	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:30	06/09/21 11:30	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/14/21 19:44	06/14/21 19:44	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 20:00	06/14/21 20:00	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683868	1	06/07/21 20:10	06/07/21 20:10	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 12:54	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	5	06/18/21 23:32	06/19/21 21:03	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 10:46	06/08/21 10:46	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 01:57	06/12/21 01:57	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 09:02	06/15/21 09:02	ACG	Mt. Juliet, TN



AMW-15-D2-W-210602 L1361795-11 GW

Collected by
SM/KV

Collected date/time
06/02/21 23:30

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 12:57	06/19/21 12:57	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 11:39	06/11/21 11:39	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	10	06/08/21 12:30	06/08/21 12:30	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	20	06/11/21 15:11	06/11/21 15:11	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 11:39	06/11/21 11:39	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:30	06/09/21 11:30	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/14/21 20:15	06/14/21 20:15	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 20:31	06/14/21 20:31	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683868	1	06/07/21 22:03	06/07/21 22:03	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 12:57	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	5	06/18/21 23:32	06/19/21 21:06	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 10:57	06/08/21 10:57	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 02:19	06/12/21 02:19	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 09:22	06/15/21 09:22	ACG	Mt. Juliet, TN

AMW-15-D3-W-210601 L1361795-12 GW

Collected by
SM/KV

Collected date/time
06/01/21 23:58

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 13:00	06/19/21 13:00	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 12:13	06/11/21 12:13	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	50	06/08/21 12:31	06/08/21 12:31	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	5	06/11/21 15:12	06/11/21 15:12	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 12:13	06/11/21 12:13	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684459	1	06/09/21 13:40	06/09/21 13:40	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/14/21 20:46	06/14/21 20:46	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683969	1	06/07/21 15:43	06/07/21 15:43	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 13:00	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	5	06/18/21 23:32	06/19/21 21:15	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 11:02	06/08/21 11:02	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 02:42	06/12/21 02:42	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 09:42	06/15/21 09:42	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

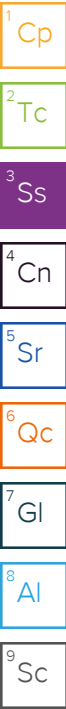
MW-23-D1R-W-210602 L1361795-13 GW

Collected by
SM/KV

Collected date/time
06/02/21 23:10

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 13:03	06/19/21 13:03	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 12:27	06/11/21 12:27	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	10	06/08/21 12:32	06/08/21 12:32	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	1	06/11/21 15:14	06/11/21 15:14	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 12:27	06/11/21 12:27	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:31	06/09/21 11:31	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/14/21 21:17	06/14/21 21:17	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 21:33	06/14/21 21:33	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683969	1	06/07/21 15:58	06/07/21 15:58	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 13:03	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	5	06/18/21 23:32	06/19/21 21:18	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 11:08	06/08/21 11:08	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 03:05	06/12/21 03:05	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 10:02	06/15/21 10:02	ACG	Mt. Juliet, TN



AMW-15-D1-W-210602 L1361795-14 GW

Collected by
SM/KV

Collected date/time
06/02/21 00:55

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 13:06	06/19/21 13:06	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 12:36	06/11/21 12:36	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	50	06/08/21 12:36	06/08/21 12:36	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	20	06/11/21 15:20	06/11/21 15:20	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 12:36	06/11/21 12:36	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1686606	10	06/11/21 00:49	06/11/21 00:49	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/14/21 21:48	06/14/21 21:48	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 22:34	06/14/21 22:34	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683969	5	06/07/21 16:26	06/07/21 16:26	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 13:06	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	5	06/18/21 23:32	06/19/21 21:21	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 11:14	06/08/21 11:14	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688488	1	06/14/21 23:06	06/14/21 23:06	JCP	Mt. Juliet, TN

MW-27-D1R-W-210602 L1361795-15 GW

Collected by
SM/KV

Collected date/time
06/02/21 22:10

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 13:09	06/19/21 13:09	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 13:39	06/11/21 13:39	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	1	06/08/21 12:37	06/08/21 12:37	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	20	06/11/21 15:21	06/11/21 15:21	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 13:39	06/11/21 13:39	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1686606	10	06/11/21 00:51	06/11/21 00:51	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/14/21 22:50	06/14/21 22:50	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 23:05	06/14/21 23:05	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683969	5	06/07/21 16:38	06/07/21 16:38	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 13:09	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	5	06/18/21 23:32	06/19/21 21:23	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 11:19	06/08/21 11:19	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 03:27	06/12/21 03:27	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 10:22	06/15/21 10:22	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

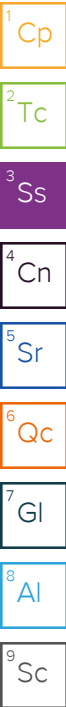
MW-26-D1-W-210602 L1361795-16 GW

Collected by
SM/KV

Collected date/time
06/02/21 20:20

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 13:17	06/19/21 13:17	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686724	1	06/11/21 13:57	06/11/21 13:57	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	1	06/08/21 12:37	06/08/21 12:37	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	1	06/11/21 15:23	06/11/21 15:23	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686724	1	06/11/21 13:57	06/11/21 13:57	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:39	06/09/21 11:39	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/14/21 23:21	06/14/21 23:21	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/14/21 23:36	06/14/21 23:36	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683969	2	06/07/21 16:52	06/07/21 16:52	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 13:17	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	5	06/18/21 23:32	06/19/21 21:26	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 11:23	06/08/21 11:23	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 03:48	06/12/21 03:48	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 10:42	06/15/21 10:42	ACG	Mt. Juliet, TN



MW-29-D1-W-210602 L1361795-17 GW

Collected by
SM/KV

Collected date/time
06/02/21 23:59

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 13:20	06/19/21 13:20	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686726	1	06/11/21 15:31	06/11/21 15:31	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	10	06/08/21 12:38	06/08/21 12:38	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	1	06/11/21 17:54	06/11/21 17:54	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686726	1	06/11/21 15:31	06/11/21 15:31	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:39	06/09/21 11:39	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	5	06/14/21 23:52	06/14/21 23:52	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	50	06/15/21 00:07	06/15/21 00:07	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683969	5	06/07/21 17:03	06/07/21 17:03	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 13:20	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 20:31	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 11:27	06/08/21 11:27	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 04:09	06/12/21 04:09	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 11:02	06/15/21 11:02	ACG	Mt. Juliet, TN

AMW-14-D1-W-210602 L1361795-18 GW

Collected by
SM/KV

Collected date/time
06/02/21 21:50

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 13:23	06/19/21 13:23	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686726	1	06/11/21 15:49	06/11/21 15:49	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	1	06/08/21 12:39	06/08/21 12:39	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	20	06/11/21 15:26	06/11/21 15:26	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686726	1	06/11/21 15:49	06/11/21 15:49	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:39	06/09/21 11:39	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/15/21 00:22	06/15/21 00:22	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/15/21 00:38	06/15/21 00:38	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683969	5	06/07/21 17:17	06/07/21 17:17	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 13:23	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	5	06/18/21 23:32	06/19/21 21:29	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 11:32	06/08/21 11:32	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1685001	10	06/08/21 16:52	06/08/21 16:52	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 04:30	06/12/21 04:30	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 11:22	06/15/21 11:22	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

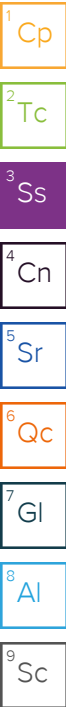
MW-24-D1R-W-210601 L1361795-19 GW

Collected by
SM/KV

Collected date/time
06/01/21 20:50

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 13:26	06/19/21 13:26	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686726	1	06/11/21 15:57	06/11/21 15:57	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	1	06/08/21 12:40	06/08/21 12:40	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	20	06/11/21 15:28	06/11/21 15:28	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686726	1	06/11/21 15:57	06/11/21 15:57	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684459	1	06/09/21 13:40	06/09/21 13:40	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/15/21 00:53	06/15/21 00:53	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	100	06/15/21 01:40	06/15/21 01:40	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683969	5	06/07/21 17:33	06/07/21 17:33	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 13:26	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	5	06/18/21 23:32	06/19/21 21:32	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 11:54	06/08/21 11:54	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1685001	10	06/08/21 16:58	06/08/21 16:58	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 04:52	06/12/21 04:52	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 11:42	06/15/21 11:42	ACG	Mt. Juliet, TN



MW-18R-W-210602 L1361795-20 GW

Collected by
SM/KV

Collected date/time
06/02/21 19:30

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690062	1	06/19/21 13:30	06/19/21 13:30	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686726	1	06/11/21 16:06	06/11/21 16:06	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	1	06/08/21 12:41	06/08/21 12:41	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685830	1	06/11/21 17:55	06/11/21 17:55	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686726	1	06/11/21 16:06	06/11/21 16:06	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:40	06/09/21 11:40	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	10	06/15/21 11:40	06/15/21 11:40	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1687926	5	06/15/21 01:55	06/15/21 01:55	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683969	5	06/07/21 18:15	06/07/21 18:15	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 13:30	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690062	1	06/18/21 23:32	06/19/21 20:40	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684027	1	06/08/21 11:58	06/08/21 11:58	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687124	1	06/12/21 05:13	06/12/21 05:13	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1688402	1	06/15/21 12:02	06/15/21 12:02	ACG	Mt. Juliet, TN

BD-W-210601 L1361795-21 GW

Collected by
SM/KV

Collected date/time
06/01/21 00:00

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690063	1	06/21/21 18:27	06/21/21 18:27	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686726	1	06/11/21 16:15	06/11/21 16:15	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1684426	1	06/08/21 12:41	06/08/21 12:41	SAC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685831	1	06/11/21 13:09	06/11/21 13:09	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686726	1	06/11/21 16:15	06/11/21 16:15	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684459	1	06/09/21 13:42	06/09/21 13:42	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1688096	10	06/15/21 17:57	06/15/21 17:57	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1688096	100	06/15/21 18:13	06/15/21 18:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683969	5	06/07/21 18:28	06/07/21 18:28	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690063	1	06/21/21 00:38	06/21/21 18:27	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690063	5	06/21/21 00:38	06/22/21 10:27	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684539	1	06/08/21 14:34	06/08/21 14:34	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1685001	10	06/08/21 17:03	06/08/21 17:03	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687410	5	06/13/21 16:36	06/13/21 16:36	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

FB-W-210602 L1361795-22 GW

Collected by
SM/KV

Collected date/time
06/02/21 01:00

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690063	1	06/21/21 18:35	06/21/21 18:35	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686726	1	06/11/21 16:24	06/11/21 16:24	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1686098	1	06/10/21 13:04	06/10/21 13:04	ARM	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685831	1	06/11/21 12:34	06/11/21 12:34	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686726	1	06/11/21 16:24	06/11/21 16:24	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684461	1	06/09/21 11:40	06/09/21 11:40	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1688096	1	06/15/21 18:30	06/15/21 18:30	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683969	1	06/07/21 18:41	06/07/21 18:41	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690063	1	06/21/21 00:38	06/21/21 18:35	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684539	1	06/08/21 14:39	06/08/21 14:39	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687410	1	06/13/21 16:56	06/13/21 16:56	ACG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

FB-W-210601 L1361795-23 GW

Collected by
SM/KV

Collected date/time
06/01/21 00:15

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1690063	1	06/21/21 18:07	06/21/21 18:07	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1686726	1	06/11/21 16:34	06/11/21 16:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1686098	1	06/10/21 13:05	06/10/21 13:05	ARM	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1685831	1	06/11/21 12:36	06/11/21 12:36	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1686726	1	06/11/21 16:34	06/11/21 16:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1684459	1	06/09/21 13:42	06/09/21 13:42	AKA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1688096	1	06/15/21 18:46	06/15/21 18:46	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1683969	1	06/07/21 18:52	06/07/21 18:52	KPS	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1690063	1	06/21/21 00:38	06/21/21 18:07	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1684539	1	06/08/21 14:42	06/08/21 14:42	CMS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687410	1	06/13/21 17:16	06/13/21 17:16	ACG	Mt. Juliet, TN

TB-W-210602 L1361795-24 GW

Collected by
SM/KV

Collected date/time
06/02/21 00:00

Received date/time
06/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1687410	1	06/13/21 17:37	06/13/21 17:37	ACG	Mt. Juliet, TN

CASE NARRATIVE

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



Chris McCord
Project Manager



Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Batch	Method	Lab Sample ID
WG1687410	8260C	L1361795-24

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

Batch	Method	Lab Sample ID
WG1684426	3500Fe B-2011	L1361795-02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21
WG1686098	3500Fe B-2011	L1361795-01, 22, 23
WG1686249	4500CO2 D-2011	L1361795-01, 02, 03
WG1686724	4500CO2 D-2011	L1361795-04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16
WG1686726	4500CO2 D-2011	L1361795-17, 18, 19, 20, 21, 22, 23

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

Batch	Method	Lab Sample ID
WG1684459	4500S2 D-2011	L1361795-03, 04, 12, 19, 21, 23
WG1686606	4500S2 D-2011	L1361795-14, 15

Wet Chemistry by Method 353.2

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

Batch	Lab Sample ID	Analytes
WG1685830	(MS) R3666331-4, L1361795-06	Nitrate-Nitrite

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
WG1684459	(MS) R3665154-3, (MSD) R3665154-4	Sulfide
WG1684461	(MS) R3665082-4, L1361795-07	Sulfide

CASE NARRATIVE

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG1688096	(MS) R3667785-3, (MSD) R3667785-4	Chloride

Wet Chemistry by Method 9060A

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1683868	TOC (Total Organic Carbon)	L1361795-01, 02, 03, 04, 05, 07, 08
WG1683969	TOC (Total Organic Carbon)	L1361795-15, 17, 22, 23

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1683969	(DUP) R3664266-5	TOC (Total Organic Carbon)

Metals (ICP) by Method 6010C

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

Batch	Lab Sample ID	Analytes
WG1690062	(MS) R3669459-4, (MSD) R3669459-5	Sodium

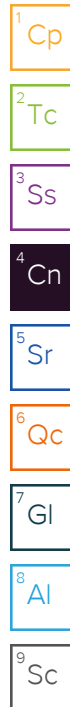
The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Batch	Lab Sample ID	Analytes
WG1690062	L1361795-01	Iron and Manganese

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
WG1687124	L1361795-01	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-02	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-03	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-04	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-05	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-06	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-07	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-08	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-09	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-10	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-11	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-12	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-13	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-15	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-16	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-17	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-18	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-19	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687124	L1361795-20	2-Butanone (MEK), Acetone, Chloromethane and Methyl Acetate
WG1687410	L1361795-21	1,2-Dichloropropane, 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Bromomethane, Chloromethane, Methyl Acetate, Trichlorofluoromethane and Vinyl chloride
WG1687410	L1361795-22	1,2-Dichloropropane, 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Bromomethane, Chloromethane, Methyl Acetate, Trichlorofluoromethane and Vinyl chloride
WG1687410	L1361795-23	1,2-Dichloropropane, 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Bromomethane, Chloromethane, Methyl Acetate, Trichlorofluoromethane and Vinyl chloride



CASE NARRATIVE

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

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

Batch	Lab Sample ID	Analytes
WG1687410	L1361795-24	1,2-Dichloropropane, 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Bromomethane, Chloromethane, Methyl Acetate, Trichlorofluoromethane and Vinyl chloride

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.

Batch	Lab Sample ID	Analytes
WG1687124	L1361795-06	Cyclohexane
WG1687124	L1361795-18	Cyclohexane
WG1687124	L1361795-20	Cyclohexane

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1687124	Benzene	L1361795-01, 02, 03, 04, 05, 06, 08, 10, 11, 13
WG1687124	Ethylbenzene	L1361795-01, 06, 08, 12, 15, 20

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

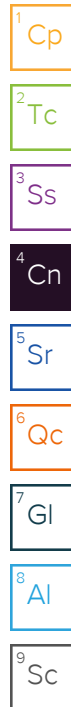
Batch	Lab Sample ID	Analytes
WG1687124	(LCS) R3667086-1, L1361795-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20	1,1,2-Trichlorotrifluoroethane and Cyclohexane
WG1688488	(LCS) R3667519-1, L1361795-14	Bromochloromethane

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

Batch	Lab Sample ID	Analytes
WG1688488	(LCSD) R3667519-3, L1361795-14	Chlorodibromomethane

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1688488	(LCSD) R3667519-3, L1361795-14	17 analytes



Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	5120		18.0	100	1	06/19/2021 12:11	WG1690062

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	275000		8450	20000	1	06/13/2021 07:25	WG1686249

Sample Narrative:

L1361795-01 WG1686249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	7580	T8	150	500	10	06/10/2021 13:03	WG1686098

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 14:51	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

	Result	<u>Qualifier</u>	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	ug/l		ug/l		date / time	
Free Carbon Dioxide	56200	T8	20000	1	06/13/2021 07:25	WG1686249

Sample Narrative:

L1361795-01 WG1686249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	06/09/2021 11:27	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	9290000		37900	100000	100	06/14/2021 13:07	WG1687926
Sulfate	1100000		59400	500000	100	06/14/2021 13:07	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	4240	B	102	1000	1	06/07/2021 15:47	WG1683868

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	12700	O1	18.0	100	1	06/19/2021 12:11	WG1690062
Manganese	1600	O1	0.934	10.0	1	06/19/2021 12:11	WG1690062
Sodium	4510000		5040	30000	10	06/19/2021 20:43	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	794		2.91	10.0	1	06/08/2021 09:43	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 09:43	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 09:43	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/11/2021 22:38	WG1687124
Benzene	0.263	B J	0.0941	1.00	1	06/11/2021 22:38	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/11/2021 22:38	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/11/2021 22:38	WG1687124
Bromoform	U		0.129	1.00	1	06/11/2021 22:38	WG1687124
Bromomethane	U		0.605	5.00	1	06/11/2021 22:38	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/11/2021 22:38	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/11/2021 22:38	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/11/2021 22:38	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/11/2021 22:38	WG1687124
Chloroethane	U		0.192	5.00	1	06/11/2021 22:38	WG1687124
Chloroform	U		0.111	5.00	1	06/11/2021 22:38	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/11/2021 22:38	WG1687124
Cyclohexane	U	J4	0.188	1.00	1	06/11/2021 22:38	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/11/2021 22:38	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/11/2021 22:38	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/11/2021 22:38	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/11/2021 22:38	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/11/2021 22:38	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/11/2021 22:38	WG1687124
1,1-Dichloroethane	0.149	J	0.100	1.00	1	06/11/2021 22:38	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/11/2021 22:38	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/11/2021 22:38	WG1687124
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/11/2021 22:38	WG1687124
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/11/2021 22:38	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/11/2021 22:38	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/11/2021 22:38	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/11/2021 22:38	WG1687124
Ethylbenzene	0.193	B J	0.137	1.00	1	06/11/2021 22:38	WG1687124
2-Hexanone	U		0.787	10.0	1	06/11/2021 22:38	WG1687124
Isopropylbenzene	U		0.105	1.00	1	06/11/2021 22:38	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/11/2021 22:38	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/11/2021 22:38	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/11/2021 22:38	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/11/2021 22:38	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/11/2021 22:38	WG1687124
Methyl tert-butyl ether	0.132	J	0.101	1.00	1	06/11/2021 22:38	WG1687124
Styrene	U		0.118	1.00	1	06/11/2021 22:38	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/11/2021 22:38	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/11/2021 22:38	WG1687124
Toluene	U		0.278	1.00	1	06/11/2021 22:38	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/11/2021 22:38	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 06:03	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/11/2021 22:38	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/11/2021 22:38	WG1687124
Trichloroethene	U		0.190	1.00	1	06/11/2021 22:38	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/11/2021 22:38	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/11/2021 22:38	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/11/2021 22:38	WG1687124

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	U		0.174	3.00	1	06/11/2021 22:38	WG1687124
(S) Toluene-d8	102			80.0-120		06/11/2021 22:38	WG1687124
(S) Toluene-d8	113			80.0-120		06/15/2021 06:03	WG1688402
(S) 4-Bromofluorobenzene	103			77.0-126		06/11/2021 22:38	WG1687124
(S) 4-Bromofluorobenzene	101			77.0-126		06/15/2021 06:03	WG1688402
(S) 1,2-Dichloroethane-d4	90.8			70.0-130		06/11/2021 22:38	WG1687124
(S) 1,2-Dichloroethane-d4	90.3			70.0-130		06/15/2021 06:03	WG1688402

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	6270		15.0	50.0	1	06/19/2021 12:24	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	348000		8450	20000	1	06/13/2021 07:40	WG1686249

Sample Narrative:

L1361795-02 WG1686249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	846	T8	15.0	50.0	1	06/08/2021 12:21	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 14:53	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	68100	T8	20000		1	06/13/2021 07:40	WG1686249

Sample Narrative:

L1361795-02 WG1686249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	06/09/2021 11:27	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	10900000		190000	500000	500	06/14/2021 13:52	WG1687926
Sulfate	1280000		59400	500000	100	06/14/2021 13:37	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5730	B	102	1000	1	06/07/2021 16:03	WG1683868

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	7120		18.0	100	1	06/19/2021 12:24	WG1690062
Manganese	1290		0.934	10.0	1	06/19/2021 12:24	WG1690062
Sodium	5370000		5040	30000	10	06/19/2021 20:46	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	465		2.91	10.0	1	06/08/2021 09:47	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 09:47	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 09:47	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/11/2021 23:00	WG1687124
Benzene	0.174	B J	0.0941	1.00	1	06/11/2021 23:00	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/11/2021 23:00	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/11/2021 23:00	WG1687124
Bromoform	U		0.129	1.00	1	06/11/2021 23:00	WG1687124
Bromomethane	U		0.605	5.00	1	06/11/2021 23:00	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/11/2021 23:00	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/11/2021 23:00	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/11/2021 23:00	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/11/2021 23:00	WG1687124
Chloroethane	U		0.192	5.00	1	06/11/2021 23:00	WG1687124
Chloroform	U		0.111	5.00	1	06/11/2021 23:00	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/11/2021 23:00	WG1687124
Cyclohexane	U	J4	0.188	1.00	1	06/11/2021 23:00	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/11/2021 23:00	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/11/2021 23:00	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/11/2021 23:00	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/11/2021 23:00	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/11/2021 23:00	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/11/2021 23:00	WG1687124
1,1-Dichloroethane	0.211	J	0.100	1.00	1	06/11/2021 23:00	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/11/2021 23:00	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/11/2021 23:00	WG1687124
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/11/2021 23:00	WG1687124
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/11/2021 23:00	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/11/2021 23:00	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/11/2021 23:00	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/11/2021 23:00	WG1687124
Ethylbenzene	U		0.137	1.00	1	06/11/2021 23:00	WG1687124
2-Hexanone	U		0.787	10.0	1	06/11/2021 23:00	WG1687124
Isopropylbenzene	U		0.105	1.00	1	06/11/2021 23:00	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/11/2021 23:00	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/11/2021 23:00	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/11/2021 23:00	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/11/2021 23:00	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/11/2021 23:00	WG1687124
Methyl tert-butyl ether	U		0.101	1.00	1	06/11/2021 23:00	WG1687124
Styrene	U		0.118	1.00	1	06/11/2021 23:00	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/11/2021 23:00	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/11/2021 23:00	WG1687124
Toluene	U		0.278	1.00	1	06/11/2021 23:00	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/11/2021 23:00	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 06:23	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/11/2021 23:00	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/11/2021 23:00	WG1687124
Trichloroethene	U		0.190	1.00	1	06/11/2021 23:00	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/11/2021 23:00	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/11/2021 23:00	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/11/2021 23:00	WG1687124

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	U		0.174	3.00	1	06/11/2021 23:00	WG1687124
(S) Toluene-d8	102			80.0-120		06/11/2021 23:00	WG1687124
(S) Toluene-d8	112			80.0-120		06/15/2021 06:23	WG1688402
(S) 4-Bromofluorobenzene	105			77.0-126		06/11/2021 23:00	WG1687124
(S) 4-Bromofluorobenzene	97.2			77.0-126		06/15/2021 06:23	WG1688402
(S) 1,2-Dichloroethane-d4	92.4			70.0-130		06/11/2021 23:00	WG1687124
(S) 1,2-Dichloroethane-d4	88.7			70.0-130		06/15/2021 06:23	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	343		15.0	50.0	1	06/19/2021 12:26	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	674000		8450	20000	1	06/13/2021 07:47	WG1686249

Sample Narrative:

L1361795-03 WG1686249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	1140	T8	15.0	50.0	1	06/08/2021 12:22	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 17:52	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	22500	T8	20000		1	06/13/2021 07:47	WG1686249

Sample Narrative:

L1361795-03 WG1686249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	134	Q	25.0	50.0	1	06/09/2021 13:39	WG1684459

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2360000		37900	100000	100	06/14/2021 14:23	WG1687926
Sulfate	235000		5940	50000	10	06/14/2021 14:08	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	38100	B	510	5000	5	06/07/2021 16:21	WG1683868

Metals (ICP) by Method 6010C

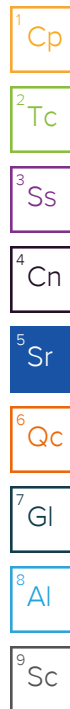
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1480		18.0	100	1	06/19/2021 12:26	WG1690062
Manganese	56.0		0.934	10.0	1	06/19/2021 12:26	WG1690062
Sodium	1470000		2520	15000	5	06/19/2021 20:49	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	1920		2.91	10.0	1	06/08/2021 09:56	WG1684027
Ethane	24.8		4.07	13.0	1	06/08/2021 09:56	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 09:56	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/11/2021 23:23	WG1687124
Benzene	0.681	BJ	0.0941	1.00	1	06/11/2021 23:23	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/11/2021 23:23	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/11/2021 23:23	WG1687124
Bromoform	U		0.129	1.00	1	06/11/2021 23:23	WG1687124
Bromomethane	U		0.605	5.00	1	06/11/2021 23:23	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/11/2021 23:23	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/11/2021 23:23	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/11/2021 23:23	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/11/2021 23:23	WG1687124
Chloroethane	U		0.192	5.00	1	06/11/2021 23:23	WG1687124
Chloroform	0.122	U	0.111	5.00	1	06/11/2021 23:23	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/11/2021 23:23	WG1687124
Cyclohexane	U	J4	0.188	1.00	1	06/11/2021 23:23	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/11/2021 23:23	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/11/2021 23:23	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/11/2021 23:23	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/11/2021 23:23	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/11/2021 23:23	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/11/2021 23:23	WG1687124
1,1-Dichloroethane	0.467	U	0.100	1.00	1	06/11/2021 23:23	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/11/2021 23:23	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/11/2021 23:23	WG1687124
cis-1,2-Dichloroethene	0.514	U	0.126	1.00	1	06/11/2021 23:23	WG1687124
trans-1,2-Dichloroethene	0.720	U	0.149	1.00	1	06/11/2021 23:23	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/11/2021 23:23	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/11/2021 23:23	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/11/2021 23:23	WG1687124
Ethylbenzene	U		0.137	1.00	1	06/11/2021 23:23	WG1687124
2-Hexanone	U		0.787	10.0	1	06/11/2021 23:23	WG1687124
Isopropylbenzene	U		0.105	1.00	1	06/11/2021 23:23	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/11/2021 23:23	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/11/2021 23:23	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/11/2021 23:23	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/11/2021 23:23	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/11/2021 23:23	WG1687124
Methyl tert-butyl ether	358		1.01	10.0	10	06/15/2021 15:56	WG1688929
Styrene	U		0.118	1.00	1	06/11/2021 23:23	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/11/2021 23:23	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/11/2021 23:23	WG1687124
Toluene	U		0.278	1.00	1	06/11/2021 23:23	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/11/2021 23:23	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 06:43	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/11/2021 23:23	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/11/2021 23:23	WG1687124
Trichloroethene	U		0.190	1.00	1	06/11/2021 23:23	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/11/2021 23:23	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/11/2021 23:23	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/11/2021 23:23	WG1687124



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	U		0.174	3.00	1	06/11/2021 23:23	WG1687124
(S) Toluene-d8	100			80.0-120		06/11/2021 23:23	WG1687124
(S) Toluene-d8	112			80.0-120		06/15/2021 06:43	WG1688402
(S) Toluene-d8	113			80.0-120		06/15/2021 15:56	WG1688929
(S) 4-Bromofluorobenzene	103			77.0-126		06/11/2021 23:23	WG1687124
(S) 4-Bromofluorobenzene	98.3			77.0-126		06/15/2021 06:43	WG1688402
(S) 4-Bromofluorobenzene	99.3			77.0-126		06/15/2021 15:56	WG1688929
(S) 1,2-Dichloroethane-d4	88.4			70.0-130		06/11/2021 23:23	WG1687124
(S) 1,2-Dichloroethane-d4	86.2			70.0-130		06/15/2021 06:43	WG1688402
(S) 1,2-Dichloroethane-d4	88.8			70.0-130		06/15/2021 15:56	WG1688929

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		18.0	100	1	06/19/2021 12:30	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	413000		8450	20000	1	06/11/2021 10:40	WG1686724

Sample Narrative:

L1361795-04 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	216000	T8	3000	10000	200	06/08/2021 12:51	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 14:56	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result ug/l	<u>Qualifier</u>	RDL ug/l	Dilution	Analysis date / time	<u>Batch</u>
Free Carbon Dioxide	45700	T8	20000	1	06/11/2021 10:40	WG1686724

Sample Narrative:

L1361795-04 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U	Q	25.0	50.0	1	06/09/2021 13:40	WG1684459

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	15500000		190000	500000	500	06/14/2021 14:54	WG1687926
Sulfate	1810000		59400	500000	100	06/14/2021 14:39	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	9370	B	510	5000	5	06/07/2021 16:33	WG1683868

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	53700		18.0	100	1	06/19/2021 12:30	WG1690062
Manganese	574		0.934	10.0	1	06/19/2021 12:30	WG1690062
Sodium	8160000		5040	30000	10	06/19/2021 20:51	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	56.0		2.91	10.0	1	06/08/2021 10:01	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 10:01	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 10:01	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/11/2021 23:46	WG1687124
Benzene	0.126	B J	0.0941	1.00	1	06/11/2021 23:46	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/11/2021 23:46	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/11/2021 23:46	WG1687124
Bromoform	U		0.129	1.00	1	06/11/2021 23:46	WG1687124
Bromomethane	U		0.605	5.00	1	06/11/2021 23:46	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/11/2021 23:46	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/11/2021 23:46	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/11/2021 23:46	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/11/2021 23:46	WG1687124
Chloroethane	U		0.192	5.00	1	06/11/2021 23:46	WG1687124
Chloroform	U		0.111	5.00	1	06/11/2021 23:46	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/11/2021 23:46	WG1687124
Cyclohexane	U	J4	0.188	1.00	1	06/11/2021 23:46	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/11/2021 23:46	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/11/2021 23:46	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/11/2021 23:46	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/11/2021 23:46	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/11/2021 23:46	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/11/2021 23:46	WG1687124
1,1-Dichloroethane	U		0.100	1.00	1	06/11/2021 23:46	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/11/2021 23:46	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/11/2021 23:46	WG1687124
cis-1,2-Dichloroethene	0.141	J	0.126	1.00	1	06/11/2021 23:46	WG1687124
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/11/2021 23:46	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/11/2021 23:46	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/11/2021 23:46	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/11/2021 23:46	WG1687124
Ethylbenzene	U		0.137	1.00	1	06/11/2021 23:46	WG1687124
2-Hexanone	U		0.787	10.0	1	06/11/2021 23:46	WG1687124
Isopropylbenzene	U		0.105	1.00	1	06/11/2021 23:46	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/11/2021 23:46	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/11/2021 23:46	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/11/2021 23:46	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/11/2021 23:46	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/11/2021 23:46	WG1687124
Methyl tert-butyl ether	0.782	J	0.101	1.00	1	06/15/2021 15:16	WG1688929
Styrene	U		0.118	1.00	1	06/11/2021 23:46	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/11/2021 23:46	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/11/2021 23:46	WG1687124
Toluene	U		0.278	1.00	1	06/11/2021 23:46	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/11/2021 23:46	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 07:03	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/11/2021 23:46	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/11/2021 23:46	WG1687124
Trichloroethene	U		0.190	1.00	1	06/11/2021 23:46	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/11/2021 23:46	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/11/2021 23:46	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/11/2021 23:46	WG1687124

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	U		0.174	3.00	1	06/11/2021 23:46	WG1687124
(S) Toluene-d8	103			80.0-120		06/11/2021 23:46	WG1687124
(S) Toluene-d8	116			80.0-120		06/15/2021 07:03	WG1688402
(S) Toluene-d8	114			80.0-120		06/15/2021 15:16	WG1688929
(S) 4-Bromofluorobenzene	104			77.0-126		06/11/2021 23:46	WG1687124
(S) 4-Bromofluorobenzene	97.2			77.0-126		06/15/2021 07:03	WG1688402
(S) 4-Bromofluorobenzene	101			77.0-126		06/15/2021 15:16	WG1688929
(S) 1,2-Dichloroethane-d4	87.9			70.0-130		06/11/2021 23:46	WG1687124
(S) 1,2-Dichloroethane-d4	87.7			70.0-130		06/15/2021 07:03	WG1688402
(S) 1,2-Dichloroethane-d4	91.0			70.0-130		06/15/2021 15:16	WG1688929

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	556		15.0	50.0	1	06/19/2021 12:33	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Alkalinity	238000		8450	20000	1	06/11/2021 10:49	WG1686724

Sample Narrative:

L1361795-05 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferrous Iron	107	T8	15.0	50.0	1	06/08/2021 12:24	WG1684426

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 17:53	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Free Carbon Dioxide	7310	J T8	6670		1	06/11/2021 10:49	WG1686724

Sample Narrative:

L1361795-05 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	U		25.0	50.0	1	06/09/2021 11:28	WG1684461

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	6130000		37900	100000	100	06/14/2021 15:41	WG1687926
Sulfate	630000		59400	500000	100	06/14/2021 15:41	WG1687926

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
TOC (Total Organic Carbon)	4140	B J	510	5000	5	06/07/2021 17:22	WG1683868

Metals (ICP) by Method 6010C

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	663		18.0	100	1	06/19/2021 12:33	WG1690062
Manganese	12.8		0.934	10.0	1	06/19/2021 12:33	WG1690062
Sodium	204000		504	3000	1	06/19/2021 20:25	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	76.2		2.91	10.0	1	06/08/2021 10:12	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 10:12	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 10:12	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 00:08	WG1687124
Benzene	0.120	BJ	0.0941	1.00	1	06/12/2021 00:08	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 00:08	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 00:08	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 00:08	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 00:08	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 00:08	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 00:08	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 00:08	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 00:08	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 00:08	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 00:08	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 00:08	WG1687124
Cyclohexane	U	J4	0.188	1.00	1	06/12/2021 00:08	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 00:08	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 00:08	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 00:08	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 00:08	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 00:08	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 00:08	WG1687124
1,1-Dichloroethane	U		0.100	1.00	1	06/12/2021 00:08	WG1687124
1,2-Dichloroethane	0.101	J	0.0819	1.00	1	06/12/2021 00:08	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 00:08	WG1687124
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/12/2021 00:08	WG1687124
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/12/2021 00:08	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 00:08	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 00:08	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 00:08	WG1687124
Ethylbenzene	U		0.137	1.00	1	06/12/2021 00:08	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 00:08	WG1687124
Isopropylbenzene	U		0.105	1.00	1	06/12/2021 00:08	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 00:08	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 00:08	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/12/2021 00:08	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 00:08	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 00:08	WG1687124
Methyl tert-butyl ether	0.376	J	0.101	1.00	1	06/15/2021 15:36	WG1688929
Styrene	U		0.118	1.00	1	06/12/2021 00:08	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 00:08	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 00:08	WG1687124
Toluene	U		0.278	1.00	1	06/12/2021 00:08	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 00:08	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 07:23	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 00:08	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 00:08	WG1687124
Trichloroethene	U		0.190	1.00	1	06/12/2021 00:08	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 00:08	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 00:08	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/12/2021 00:08	WG1687124



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

Analyte	Result ug/l	<u>Qualifier</u>	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	<u>Batch</u>
Xylenes, Total	U		0.174	3.00	1	06/12/2021 00:08	WG1687124
(S) Toluene-d8	102			80.0-120		06/12/2021 00:08	WG1687124
(S) Toluene-d8	113			80.0-120		06/15/2021 07:23	WG1688402
(S) Toluene-d8	112			80.0-120		06/15/2021 15:36	WG1688929
(S) 4-Bromofluorobenzene	101			77.0-126		06/12/2021 00:08	WG1687124
(S) 4-Bromofluorobenzene	96.1			77.0-126		06/15/2021 07:23	WG1688402
(S) 4-Bromofluorobenzene	95.6			77.0-126		06/15/2021 15:36	WG1688929
(S) 1,2-Dichloroethane-d4	86.9			70.0-130		06/12/2021 00:08	WG1687124
(S) 1,2-Dichloroethane-d4	89.4			70.0-130		06/15/2021 07:23	WG1688402
(S) 1,2-Dichloroethane-d4	90.3			70.0-130		06/15/2021 15:36	WG1688929

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		18.0	100	1	06/19/2021 12:41	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	514000		8450	20000	1	06/11/2021 10:58	WG1686724

Sample Narrative:

L1361795-06 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	26600	T8	750	2500	50	06/08/2021 12:25	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U	J6	50.0	100	1	06/11/2021 14:58	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	36400	T8	20000		1	06/11/2021 10:58	WG1686724

Sample Narrative:

L1361795-06 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	55.0		25.0	50.0	1	06/09/2021 11:28	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	262000		3790	10000	10	06/14/2021 16:55	WG1687926
Sulfate	62200		5940	50000	10	06/14/2021 16:55	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	20600		102	1000	1	06/07/2021 17:44	WG1683868

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	21800		18.0	100	1	06/19/2021 12:41	WG1690062
Manganese	2160		0.934	10.0	1	06/19/2021 12:41	WG1690062
Sodium	168000		504	3000	1	06/19/2021 20:28	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	10100		29.1	100	10	06/08/2021 16:47	WG1685001
Ethane	U		4.07	13.0	1	06/08/2021 10:17	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 10:17	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 00:29	WG1687124
Benzene	1.08	B	0.0941	1.00	1	06/12/2021 00:29	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 00:29	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 00:29	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 00:29	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 00:29	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 00:29	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 00:29	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 00:29	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 00:29	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 00:29	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 00:29	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 00:29	WG1687124
Cyclohexane	11.9	C5 J4	0.188	1.00	1	06/12/2021 00:29	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 00:29	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 00:29	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 00:29	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 00:29	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 00:29	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 00:29	WG1687124
1,1-Dichloroethane	U		0.100	1.00	1	06/12/2021 00:29	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 00:29	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 00:29	WG1687124
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/12/2021 00:29	WG1687124
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/12/2021 00:29	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 00:29	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 00:29	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 00:29	WG1687124
Ethylbenzene	0.892	B J	0.137	1.00	1	06/12/2021 00:29	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 00:29	WG1687124
Isopropylbenzene	2.37		0.105	1.00	1	06/12/2021 00:29	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 00:29	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 00:29	WG1687124
Methyl Cyclohexane	12.6		0.660	1.00	1	06/12/2021 00:29	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 00:29	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 00:29	WG1687124
Methyl tert-butyl ether	U		0.101	1.00	1	06/12/2021 00:29	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 00:29	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 00:29	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 00:29	WG1687124
Toluene	U		0.278	1.00	1	06/12/2021 00:29	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 00:29	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 07:43	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 00:29	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 00:29	WG1687124
Trichloroethene	U		0.190	1.00	1	06/12/2021 00:29	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 00:29	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 00:29	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/12/2021 00:29	WG1687124

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	2.53	J	0.174	3.00	1	06/12/2021 00:29	WG1687124
(S) Toluene-d8	92.0			80.0-120		06/12/2021 00:29	WG1687124
(S) Toluene-d8	103			80.0-120		06/15/2021 07:43	WG1688402
(S) 4-Bromofluorobenzene	88.5			77.0-126		06/12/2021 00:29	WG1687124
(S) 4-Bromofluorobenzene	94.6			77.0-126		06/15/2021 07:43	WG1688402
(S) 1,2-Dichloroethane-d4	88.1			70.0-130		06/12/2021 00:29	WG1687124
(S) 1,2-Dichloroethane-d4	87.6			70.0-130		06/15/2021 07:43	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	404		18.0	100	1	06/19/2021 12:45	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	542000		8450	20000	1	06/11/2021 11:06	WG1686724

Sample Narrative:

L1361795-07 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	18500	T8	750	2500	50	06/08/2021 12:26	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	56.4	J	50.0	100	1	06/11/2021 15:06	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	99300	T8	20000	1	06/11/2021 11:06	WG1686724

Sample Narrative:

L1361795-07 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U	J6	25.0	50.0	1	06/09/2021 11:28	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	16100000		190000	500000	500	06/14/2021 17:56	WG1687926
Sulfate	1790000		59400	500000	100	06/14/2021 17:41	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7340	B	102	1000	1	06/07/2021 18:24	WG1683868

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	18900		18.0	100	1	06/19/2021 12:45	WG1690062
Manganese	396		0.934	10.0	1	06/19/2021 12:45	WG1690062
Sodium	8510000		10100	60000	20	06/19/2021 20:54	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	52.7		2.91	10.0	1	06/08/2021 10:22	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 10:22	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 10:22	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 00:51	WG1687124
Benzene	U		0.0941	1.00	1	06/12/2021 00:51	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 00:51	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 00:51	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 00:51	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 00:51	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 00:51	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 00:51	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 00:51	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 00:51	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 00:51	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 00:51	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 00:51	WG1687124
Cyclohexane	U	J4	0.188	1.00	1	06/12/2021 00:51	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 00:51	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 00:51	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 00:51	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 00:51	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 00:51	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 00:51	WG1687124
1,1-Dichloroethane	U		0.100	1.00	1	06/12/2021 00:51	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 00:51	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 00:51	WG1687124
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/12/2021 00:51	WG1687124
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/12/2021 00:51	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 00:51	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 00:51	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 00:51	WG1687124
Ethylbenzene	U		0.137	1.00	1	06/12/2021 00:51	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 00:51	WG1687124
Isopropylbenzene	U		0.105	1.00	1	06/12/2021 00:51	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 00:51	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 00:51	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/12/2021 00:51	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 00:51	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 00:51	WG1687124
Methyl tert-butyl ether	U		0.101	1.00	1	06/12/2021 00:51	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 00:51	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 00:51	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 00:51	WG1687124
Toluene	U		0.278	1.00	1	06/12/2021 00:51	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 00:51	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 08:03	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 00:51	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 00:51	WG1687124
Trichloroethene	U		0.190	1.00	1	06/12/2021 00:51	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 00:51	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 00:51	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/12/2021 00:51	WG1687124

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	<u>Qualifier</u>	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	<u>Batch</u>
Xylenes, Total	U		0.174	3.00	1	06/12/2021 00:51	WG1687124
(S) Toluene-d8	99.1			80.0-120		06/12/2021 00:51	WG1687124
(S) Toluene-d8	112			80.0-120		06/15/2021 08:03	WG1688402
(S) 4-Bromofluorobenzene	102			77.0-126		06/12/2021 00:51	WG1687124
(S) 4-Bromofluorobenzene	96.5			77.0-126		06/15/2021 08:03	WG1688402
(S) 1,2-Dichloroethane-d4	86.9			70.0-130		06/12/2021 00:51	WG1687124
(S) 1,2-Dichloroethane-d4	88.2			70.0-130		06/15/2021 08:03	WG1688402

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	4020		15.0	50.0	1	06/19/2021 12:48	WG1690062

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	473000		8450	20000	1	06/11/2021 11:14	WG1686724

Sample Narrative:

L1361795-08 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	563	T8	15.0	50.0	1	06/08/2021 12:27	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		1000	2000	20	06/11/2021 15:07	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	47600	T8	20000	1	06/11/2021 11:14	WG1686724

Sample Narrative:

L1361795-08 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	1180		25.0	50.0	1	06/09/2021 11:29	WG1684461

Wet Chemistry by Method 9056A

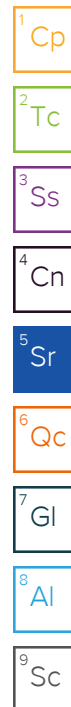
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	3020000		37900	100000	100	06/14/2021 18:27	WG1687926
Sulfate	272000		5940	50000	10	06/14/2021 18:12	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2990	B	102	1000	1	06/07/2021 19:29	WG1683868

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4590		18.0	100	1	06/19/2021 12:48	WG1690062
Manganese	137		0.934	10.0	1	06/19/2021 12:48	WG1690062
Sodium	2340000		2520	15000	5	06/19/2021 20:57	WG1690062



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	2330		2.91	10.0	1	06/08/2021 10:32	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 10:32	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 10:32	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 01:13	WG1687124
Benzene	0.249	B J	0.0941	1.00	1	06/12/2021 01:13	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 01:13	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 01:13	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 01:13	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 01:13	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 01:13	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 01:13	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 01:13	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 01:13	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 01:13	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 01:13	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 01:13	WG1687124
Cyclohexane	0.201	J J4	0.188	1.00	1	06/12/2021 01:13	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 01:13	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 01:13	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 01:13	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 01:13	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 01:13	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 01:13	WG1687124
1,1-Dichloroethane	U		0.100	1.00	1	06/12/2021 01:13	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 01:13	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 01:13	WG1687124
cis-1,2-Dichloroethene	0.244	J	0.126	1.00	1	06/12/2021 01:13	WG1687124
trans-1,2-Dichloroethene	0.977	J	0.149	1.00	1	06/12/2021 01:13	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 01:13	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 01:13	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 01:13	WG1687124
Ethylbenzene	0.138	B J	0.137	1.00	1	06/12/2021 01:13	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 01:13	WG1687124
Isopropylbenzene	U		0.105	1.00	1	06/12/2021 01:13	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 01:13	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 01:13	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/12/2021 01:13	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 01:13	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 01:13	WG1687124
Methyl tert-butyl ether	20.7		0.101	1.00	1	06/12/2021 01:13	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 01:13	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 01:13	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 01:13	WG1687124
Toluene	U		0.278	1.00	1	06/12/2021 01:13	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 01:13	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 08:23	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 01:13	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 01:13	WG1687124
Trichloroethene	U		0.190	1.00	1	06/12/2021 01:13	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 01:13	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 01:13	WG1687124
Vinyl chloride	6.49		0.234	1.00	1	06/12/2021 01:13	WG1687124

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	U		0.174	3.00	1	06/12/2021 01:13	WG1687124
(S) Toluene-d8	102			80.0-120		06/12/2021 01:13	WG1687124
(S) Toluene-d8	115			80.0-120		06/15/2021 08:23	WG1688402
(S) 4-Bromofluorobenzene	99.2			77.0-126		06/12/2021 01:13	WG1687124
(S) 4-Bromofluorobenzene	99.8			77.0-126		06/15/2021 08:23	WG1688402
(S) 1,2-Dichloroethane-d4	88.1			70.0-130		06/12/2021 01:13	WG1687124
(S) 1,2-Dichloroethane-d4	87.6			70.0-130		06/15/2021 08:23	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		15.0	50.0	1	06/19/2021 12:51	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	305000		8450	20000	1	06/11/2021 11:22	WG1686724

Sample Narrative:

L1361795-09 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	247	T8	15.0	50.0	1	06/08/2021 12:27	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 15:09	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	35700	T8	20000		1	06/11/2021 11:22	WG1686724

Sample Narrative:

L1361795-09 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	29.0	J	25.0	50.0	1	06/09/2021 11:30	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1410000		37900	100000	100	06/14/2021 19:29	WG1687926
Sulfate	272000		5940	50000	10	06/14/2021 18:43	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	9410		102	1000	1	06/07/2021 19:48	WG1683868

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	88.9	J	18.0	100	1	06/19/2021 12:51	WG1690062
Manganese	40.0		0.934	10.0	1	06/19/2021 12:51	WG1690062
Sodium	1340000		2520	15000	5	06/19/2021 21:00	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	788		2.91	10.0	1	06/08/2021 10:37	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 10:37	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 10:37	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 01:35	WG1687124
Benzene	4.45		0.0941	1.00	1	06/12/2021 01:35	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 01:35	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 01:35	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 01:35	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 01:35	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 01:35	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 01:35	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 01:35	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 01:35	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 01:35	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 01:35	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 01:35	WG1687124
Cyclohexane	U	J4	0.188	1.00	1	06/12/2021 01:35	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 01:35	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 01:35	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 01:35	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 01:35	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 01:35	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 01:35	WG1687124
1,1-Dichloroethane	0.163	J	0.100	1.00	1	06/12/2021 01:35	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 01:35	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 01:35	WG1687124
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/12/2021 01:35	WG1687124
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/12/2021 01:35	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 01:35	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 01:35	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 01:35	WG1687124
Ethylbenzene	1.74		0.137	1.00	1	06/12/2021 01:35	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 01:35	WG1687124
Isopropylbenzene	0.221	J	0.105	1.00	1	06/12/2021 01:35	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 01:35	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 01:35	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/12/2021 01:35	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 01:35	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 01:35	WG1687124
Methyl tert-butyl ether	7.53		0.101	1.00	1	06/12/2021 01:35	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 01:35	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 01:35	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 01:35	WG1687124
Toluene	U		0.278	1.00	1	06/12/2021 01:35	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 01:35	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 08:42	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 01:35	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 01:35	WG1687124
Trichloroethene	U		0.190	1.00	1	06/12/2021 01:35	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 01:35	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 01:35	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/12/2021 01:35	WG1687124

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	1.72	J	0.174	3.00	1	06/12/2021 01:35	WG1687124
(S) Toluene-d8	105			80.0-120		06/12/2021 01:35	WG1687124
(S) Toluene-d8	111			80.0-120		06/15/2021 08:42	WG1688402
(S) 4-Bromofluorobenzene	107			77.0-126		06/12/2021 01:35	WG1687124
(S) 4-Bromofluorobenzene	99.3			77.0-126		06/15/2021 08:42	WG1688402
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		06/12/2021 01:35	WG1687124
(S) 1,2-Dichloroethane-d4	89.1			70.0-130		06/15/2021 08:42	WG1688402

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	293		15.0	50.0	1	06/19/2021 12:54	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	540000		8450	20000	1	06/11/2021 11:31	WG1686724

Sample Narrative:

L1361795-10 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	1220	T8	15.0	50.0	1	06/08/2021 12:29	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		1000	2000	20	06/11/2021 15:10	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	61500	T8	20000		1	06/11/2021 11:31	WG1686724

Sample Narrative:

L1361795-10 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	06/09/2021 11:30	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	3500000		37900	100000	100	06/14/2021 20:00	WG1687926
Sulfate	318000		5940	50000	10	06/14/2021 19:44	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	9780		102	1000	1	06/07/2021 20:10	WG1683868

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1520		18.0	100	1	06/19/2021 12:54	WG1690062
Manganese	267		0.934	10.0	1	06/19/2021 12:54	WG1690062
Sodium	2010000		2520	15000	5	06/19/2021 21:03	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	878		2.91	10.0	1	06/08/2021 10:46	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 10:46	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 10:46	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 01:57	WG1687124
Benzene	0.0948	B J	0.0941	1.00	1	06/12/2021 01:57	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 01:57	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 01:57	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 01:57	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 01:57	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 01:57	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 01:57	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 01:57	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 01:57	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 01:57	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 01:57	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 01:57	WG1687124
Cyclohexane	U	J4	0.188	1.00	1	06/12/2021 01:57	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 01:57	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 01:57	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 01:57	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 01:57	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 01:57	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 01:57	WG1687124
1,1-Dichloroethane	U		0.100	1.00	1	06/12/2021 01:57	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 01:57	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 01:57	WG1687124
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/12/2021 01:57	WG1687124
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/12/2021 01:57	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 01:57	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 01:57	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 01:57	WG1687124
Ethylbenzene	U		0.137	1.00	1	06/12/2021 01:57	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 01:57	WG1687124
Isopropylbenzene	U		0.105	1.00	1	06/12/2021 01:57	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 01:57	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 01:57	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/12/2021 01:57	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 01:57	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 01:57	WG1687124
Methyl tert-butyl ether	32.8		0.101	1.00	1	06/12/2021 01:57	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 01:57	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 01:57	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 01:57	WG1687124
Toluene	U		0.278	1.00	1	06/12/2021 01:57	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 01:57	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 09:02	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 01:57	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 01:57	WG1687124
Trichloroethene	U		0.190	1.00	1	06/12/2021 01:57	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 01:57	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 01:57	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/12/2021 01:57	WG1687124



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	U		0.174	3.00	1	06/12/2021 01:57	WG1687124
(S) Toluene-d8	97.6			80.0-120		06/12/2021 01:57	WG1687124
(S) Toluene-d8	113			80.0-120		06/15/2021 09:02	WG1688402
(S) 4-Bromofluorobenzene	103			77.0-126		06/12/2021 01:57	WG1687124
(S) 4-Bromofluorobenzene	99.4			77.0-126		06/15/2021 09:02	WG1688402
(S) 1,2-Dichloroethane-d4	91.3			70.0-130		06/12/2021 01:57	WG1687124
(S) 1,2-Dichloroethane-d4	88.1			70.0-130		06/15/2021 09:02	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	4010		18.0	100	1	06/19/2021 12:57	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	313000		8450	20000	1	06/11/2021 11:39	WG1686724

Sample Narrative:

L1361795-11 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	6060	T8	150	500	10	06/08/2021 12:30	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		1000	2000	20	06/11/2021 15:11	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	ND	T8	20000	1	06/11/2021 11:39	WG1686724

Sample Narrative:

L1361795-11 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	221		25.0	50.0	1	06/09/2021 11:30	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	935000		37900	100000	100	06/14/2021 20:31	WG1687926
Sulfate	51000		5940	50000	10	06/14/2021 20:15	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	10600		102	1000	1	06/07/2021 22:03	WG1683868

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	10100		18.0	100	1	06/19/2021 12:57	WG1690062
Manganese	97.9		0.934	10.0	1	06/19/2021 12:57	WG1690062
Sodium	2220000		2520	15000	5	06/19/2021 21:06	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	1100		2.91	10.0	1	06/08/2021 10:57	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 10:57	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 10:57	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 02:19	WG1687124
Benzene	0.824	BJ	0.0941	1.00	1	06/12/2021 02:19	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 02:19	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 02:19	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 02:19	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 02:19	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 02:19	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 02:19	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 02:19	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 02:19	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 02:19	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 02:19	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 02:19	WG1687124
Cyclohexane	U	J4	0.188	1.00	1	06/12/2021 02:19	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 02:19	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 02:19	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 02:19	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 02:19	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 02:19	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 02:19	WG1687124
1,1-Dichloroethane	U		0.100	1.00	1	06/12/2021 02:19	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 02:19	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 02:19	WG1687124
cis-1,2-Dichloroethene	0.242	J4	0.126	1.00	1	06/12/2021 02:19	WG1687124
trans-1,2-Dichloroethene	0.682	J4	0.149	1.00	1	06/12/2021 02:19	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 02:19	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 02:19	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 02:19	WG1687124
Ethylbenzene	U		0.137	1.00	1	06/12/2021 02:19	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 02:19	WG1687124
Isopropylbenzene	U		0.105	1.00	1	06/12/2021 02:19	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 02:19	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 02:19	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/12/2021 02:19	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 02:19	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 02:19	WG1687124
Methyl tert-butyl ether	57.3		0.101	1.00	1	06/12/2021 02:19	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 02:19	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 02:19	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 02:19	WG1687124
Toluene	U		0.278	1.00	1	06/12/2021 02:19	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 02:19	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 09:22	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 02:19	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 02:19	WG1687124
Trichloroethene	U		0.190	1.00	1	06/12/2021 02:19	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 02:19	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 02:19	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/12/2021 02:19	WG1687124



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	U		0.174	3.00	1	06/12/2021 02:19	WG1687124
(S) Toluene-d8	100			80.0-120		06/12/2021 02:19	WG1687124
(S) Toluene-d8	111			80.0-120		06/15/2021 09:22	WG1688402
(S) 4-Bromofluorobenzene	105			77.0-126		06/12/2021 02:19	WG1687124
(S) 4-Bromofluorobenzene	98.4			77.0-126		06/15/2021 09:22	WG1688402
(S) 1,2-Dichloroethane-d4	94.0			70.0-130		06/12/2021 02:19	WG1687124
(S) 1,2-Dichloroethane-d4	88.9			70.0-130		06/15/2021 09:22	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		18.0	100	1	06/19/2021 13:00	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	493000		8450	20000	1	06/11/2021 12:13	WG1686724

Sample Narrative:

L1361795-12 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	18000	T8	750	2500	50	06/08/2021 12:31	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		250	500	5	06/11/2021 15:12	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	ND	T8	20000	1	06/11/2021 12:13	WG1686724

Sample Narrative:

L1361795-12 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	56.0	Q	25.0	50.0	1	06/09/2021 13:40	WG1684459

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	683000		3790	10000	10	06/14/2021 20:46	WG1687926
Sulfate	50500		5940	50000	10	06/14/2021 20:46	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	13900		102	1000	1	06/07/2021 15:43	WG1683969

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	657		18.0	100	1	06/19/2021 13:00	WG1690062
Manganese	628		0.934	10.0	1	06/19/2021 13:00	WG1690062
Sodium	3350000		2520	15000	5	06/19/2021 21:15	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	4700		2.91	10.0	1	06/08/2021 11:02	WG1684027
Ethane	36.7		4.07	13.0	1	06/08/2021 11:02	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 11:02	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	17.1	C3 J	11.3	50.0	1	06/12/2021 02:42	WG1687124
Benzene	2.75		0.0941	1.00	1	06/12/2021 02:42	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 02:42	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 02:42	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 02:42	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 02:42	WG1687124
Carbon disulfide	1.29		0.0962	1.00	1	06/12/2021 02:42	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 02:42	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 02:42	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 02:42	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 02:42	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 02:42	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 02:42	WG1687124
Cyclohexane	0.193	J J4	0.188	1.00	1	06/12/2021 02:42	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 02:42	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 02:42	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 02:42	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 02:42	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 02:42	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 02:42	WG1687124
1,1-Dichloroethane	U		0.100	1.00	1	06/12/2021 02:42	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 02:42	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 02:42	WG1687124
cis-1,2-Dichloroethene	3.81		0.126	1.00	1	06/12/2021 02:42	WG1687124
trans-1,2-Dichloroethene	0.213	J	0.149	1.00	1	06/12/2021 02:42	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 02:42	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 02:42	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 02:42	WG1687124
Ethylbenzene	0.562	B J	0.137	1.00	1	06/12/2021 02:42	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 02:42	WG1687124
Isopropylbenzene	0.155	J	0.105	1.00	1	06/12/2021 02:42	WG1687124
2-Butanone (MEK)	3.00	C3 J	1.19	10.0	1	06/12/2021 02:42	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 02:42	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/12/2021 02:42	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 02:42	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 02:42	WG1687124
Methyl tert-butyl ether	69.7		0.101	1.00	1	06/12/2021 02:42	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 02:42	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 02:42	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 02:42	WG1687124
Toluene	0.448	J	0.278	1.00	1	06/12/2021 02:42	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 02:42	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 09:42	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 02:42	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 02:42	WG1687124
Trichloroethene	15.3		0.190	1.00	1	06/12/2021 02:42	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 02:42	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 02:42	WG1687124
Vinyl chloride	1.29		0.234	1.00	1	06/12/2021 02:42	WG1687124

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	0.930	J	0.174	3.00	1	06/12/2021 02:42	WG1687124
(S) Toluene-d8	99.7			80.0-120		06/12/2021 02:42	WG1687124
(S) Toluene-d8	111			80.0-120		06/15/2021 09:42	WG1688402
(S) 4-Bromofluorobenzene	104			77.0-126		06/12/2021 02:42	WG1687124
(S) 4-Bromofluorobenzene	98.8			77.0-126		06/15/2021 09:42	WG1688402
(S) 1,2-Dichloroethane-d4	86.1			70.0-130		06/12/2021 02:42	WG1687124
(S) 1,2-Dichloroethane-d4	91.3			70.0-130		06/15/2021 09:42	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	2220		18.0	100	1	06/19/2021 13:03	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	583000		8450	20000	1	06/11/2021 12:27	WG1686724

Sample Narrative:

L1361795-13 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	3620	T8	150	500	10	06/08/2021 12:32	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 15:14	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	22300	T8	20000		1	06/11/2021 12:27	WG1686724

Sample Narrative:

L1361795-13 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	27.0	J	25.0	50.0	1	06/09/2021 11:31	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2310000		37900	100000	100	06/14/2021 21:33	WG1687926
Sulfate	179000		5940	50000	10	06/14/2021 21:17	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	15000		102	1000	1	06/07/2021 15:58	WG1683969

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	5830		18.0	100	1	06/19/2021 13:03	WG1690062
Manganese	1660		0.934	10.0	1	06/19/2021 13:03	WG1690062
Sodium	1280000		2520	15000	5	06/19/2021 21:18	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	876		2.91	10.0	1	06/08/2021 11:08	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 11:08	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 11:08	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 03:05	WG1687124
Benzene	0.158	BJ	0.0941	1.00	1	06/12/2021 03:05	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 03:05	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 03:05	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 03:05	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 03:05	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 03:05	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 03:05	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 03:05	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 03:05	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 03:05	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 03:05	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 03:05	WG1687124
Cyclohexane	U	J4	0.188	1.00	1	06/12/2021 03:05	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 03:05	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 03:05	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 03:05	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 03:05	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 03:05	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 03:05	WG1687124
1,1-Dichloroethane	U		0.100	1.00	1	06/12/2021 03:05	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 03:05	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 03:05	WG1687124
cis-1,2-Dichloroethene	0.245	J	0.126	1.00	1	06/12/2021 03:05	WG1687124
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/12/2021 03:05	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 03:05	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 03:05	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 03:05	WG1687124
Ethylbenzene	U		0.137	1.00	1	06/12/2021 03:05	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 03:05	WG1687124
Isopropylbenzene	0.141	J	0.105	1.00	1	06/12/2021 03:05	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 03:05	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 03:05	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/12/2021 03:05	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 03:05	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 03:05	WG1687124
Methyl tert-butyl ether	39.0		0.101	1.00	1	06/12/2021 03:05	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 03:05	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 03:05	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 03:05	WG1687124
Toluene	U		0.278	1.00	1	06/12/2021 03:05	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 03:05	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 10:02	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 03:05	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 03:05	WG1687124
Trichloroethene	U		0.190	1.00	1	06/12/2021 03:05	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 03:05	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 03:05	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/12/2021 03:05	WG1687124



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	U		0.174	3.00	1	06/12/2021 03:05	WG1687124
(S) Toluene-d8	99.6			80.0-120		06/12/2021 03:05	WG1687124
(S) Toluene-d8	111			80.0-120		06/15/2021 10:02	WG1688402
(S) 4-Bromofluorobenzene	107			77.0-126		06/12/2021 03:05	WG1687124
(S) 4-Bromofluorobenzene	98.9			77.0-126		06/15/2021 10:02	WG1688402
(S) 1,2-Dichloroethane-d4	92.3			70.0-130		06/12/2021 03:05	WG1687124
(S) 1,2-Dichloroethane-d4	86.3			70.0-130		06/15/2021 10:02	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		18.0	100	1	06/19/2021 13:06	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	466000		8450	20000	1	06/11/2021 12:36	WG1686724

Sample Narrative:

L1361795-14 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	20100	T8	750	2500	50	06/08/2021 12:36	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		1000	2000	20	06/11/2021 15:20	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	ND	T8	20000	1	06/11/2021 12:36	WG1686724

Sample Narrative:

L1361795-14 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	1380	Q	250	500	10	06/11/2021 00:49	WG1686606

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2050000		37900	100000	100	06/14/2021 22:34	WG1687926
Sulfate	290000		5940	50000	10	06/14/2021 21:48	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	31900		510	5000	5	06/07/2021 16:26	WG1683969

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	597		18.0	100	1	06/19/2021 13:06	WG1690062
Manganese	55.6		0.934	10.0	1	06/19/2021 13:06	WG1690062
Sodium	1040000		2520	15000	5	06/19/2021 21:21	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	1970		2.91	10.0	1	06/08/2021 11:14	WG1684027
Ethane	298		4.07	13.0	1	06/08/2021 11:14	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 11:14	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/14/2021 23:06	WG1688488
Benzene	1.74		0.0941	1.00	1	06/14/2021 23:06	WG1688488
Bromochloromethane	U	J3 J4	0.128	1.00	1	06/14/2021 23:06	WG1688488
Bromodichloromethane	U	J3	0.136	1.00	1	06/14/2021 23:06	WG1688488
Bromoform	U		0.129	1.00	1	06/14/2021 23:06	WG1688488
Bromomethane	3.35	J	0.605	5.00	1	06/14/2021 23:06	WG1688488
Carbon disulfide	0.320	J	0.0962	1.00	1	06/14/2021 23:06	WG1688488
Carbon tetrachloride	U		0.128	1.00	1	06/14/2021 23:06	WG1688488
Chlorobenzene	U	J3	0.116	1.00	1	06/14/2021 23:06	WG1688488
Chlorodibromomethane	U	J3 J4	0.140	1.00	1	06/14/2021 23:06	WG1688488
Chloroethane	U	J3	0.192	5.00	1	06/14/2021 23:06	WG1688488
Chloroform	U		0.111	5.00	1	06/14/2021 23:06	WG1688488
Chloromethane	U	J3	0.960	2.50	1	06/14/2021 23:06	WG1688488
Cyclohexane	0.674	J J3	0.188	1.00	1	06/14/2021 23:06	WG1688488
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/14/2021 23:06	WG1688488
1,2-Dibromoethane	U	J3	0.126	1.00	1	06/14/2021 23:06	WG1688488
1,2-Dichlorobenzene	U		0.107	1.00	1	06/14/2021 23:06	WG1688488
1,3-Dichlorobenzene	U		0.110	1.00	1	06/14/2021 23:06	WG1688488
1,4-Dichlorobenzene	U		0.120	1.00	1	06/14/2021 23:06	WG1688488
Dichlorodifluoromethane	U	J3	0.374	5.00	1	06/14/2021 23:06	WG1688488
1,1-Dichloroethane	U		0.100	1.00	1	06/14/2021 23:06	WG1688488
1,2-Dichloroethane	U	J3	0.0819	1.00	1	06/14/2021 23:06	WG1688488
1,1-Dichloroethene	U	J3	0.188	1.00	1	06/14/2021 23:06	WG1688488
cis-1,2-Dichloroethene	U	J3	0.126	1.00	1	06/14/2021 23:06	WG1688488
trans-1,2-Dichloroethene	1.46		0.149	1.00	1	06/14/2021 23:06	WG1688488
1,2-Dichloropropane	U		0.149	1.00	1	06/14/2021 23:06	WG1688488
cis-1,3-Dichloropropene	U	J3	0.111	1.00	1	06/14/2021 23:06	WG1688488
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/14/2021 23:06	WG1688488
Ethylbenzene	1.55		0.137	1.00	1	06/14/2021 23:06	WG1688488
2-Hexanone	U		0.787	10.0	1	06/14/2021 23:06	WG1688488
Isopropylbenzene	0.160	J	0.105	1.00	1	06/14/2021 23:06	WG1688488
2-Butanone (MEK)	U	J3	1.19	10.0	1	06/14/2021 23:06	WG1688488
Methyl Acetate	U		1.29	20.0	1	06/14/2021 23:06	WG1688488
Methyl Cyclohexane	U		0.660	1.00	1	06/14/2021 23:06	WG1688488
Methylene Chloride	U		0.430	5.00	1	06/14/2021 23:06	WG1688488
4-Methyl-2-pentanone (MIBK)	U	J3	0.478	10.0	1	06/14/2021 23:06	WG1688488
Methyl tert-butyl ether	40.2		0.101	1.00	1	06/14/2021 23:06	WG1688488
Styrene	U		0.118	1.00	1	06/14/2021 23:06	WG1688488
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/14/2021 23:06	WG1688488
Tetrachloroethene	U		0.300	1.00	1	06/14/2021 23:06	WG1688488
Toluene	U		0.278	1.00	1	06/14/2021 23:06	WG1688488
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/14/2021 23:06	WG1688488
1,2,4-Trichlorobenzene	U	J3	0.481	1.00	1	06/14/2021 23:06	WG1688488
1,1,1-Trichloroethane	U		0.149	1.00	1	06/14/2021 23:06	WG1688488
1,1,2-Trichloroethane	U		0.158	1.00	1	06/14/2021 23:06	WG1688488
Trichloroethene	U		0.190	1.00	1	06/14/2021 23:06	WG1688488
Trichlorofluoromethane	U		0.160	5.00	1	06/14/2021 23:06	WG1688488
1,1,2-Trichlorotrifluoroethane	U	J3	0.180	1.00	1	06/14/2021 23:06	WG1688488
Vinyl chloride	U		0.234	1.00	1	06/14/2021 23:06	WG1688488



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	1.14	J	0.174	3.00	1	06/14/2021 23:06	WG1688488
(S) Toluene-d8	101			80.0-120		06/14/2021 23:06	WG1688488
(S) 4-Bromofluorobenzene	101			77.0-126		06/14/2021 23:06	WG1688488
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/14/2021 23:06	WG1688488

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	59200		15.0	50.0	1	06/19/2021 13:09	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	795000		8450	20000	1	06/11/2021 13:39	WG1686724

Sample Narrative:

L1361795-15 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	327	T8	15.0	50.0	1	06/08/2021 12:37	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		1000	2000	20	06/11/2021 15:21	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	88900	T8	20000		1	06/11/2021 13:39	WG1686724

Sample Narrative:

L1361795-15 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	3640	Q	250	500	10	06/11/2021 00:51	WG1686606

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	4330000		37900	100000	100	06/14/2021 23:05	WG1687926
Sulfate	314000		5940	50000	10	06/14/2021 22:50	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	15300	B	510	5000	5	06/07/2021 16:38	WG1683969

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	59600		18.0	100	1	06/19/2021 13:09	WG1690062
Manganese	622		0.934	10.0	1	06/19/2021 13:09	WG1690062
Sodium	2230000		2520	15000	5	06/19/2021 21:23	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	2310		2.91	10.0	1	06/08/2021 11:19	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 11:19	WG1684027
Ethene	46.0		4.26	13.0	1	06/08/2021 11:19	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 03:27	WG1687124
Benzene	3.98		0.0941	1.00	1	06/12/2021 03:27	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 03:27	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 03:27	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 03:27	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 03:27	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 03:27	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 03:27	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 03:27	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 03:27	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 03:27	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 03:27	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 03:27	WG1687124
Cyclohexane	U	J4	0.188	1.00	1	06/12/2021 03:27	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 03:27	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 03:27	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 03:27	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 03:27	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 03:27	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 03:27	WG1687124
1,1-Dichloroethane	0.278	U	0.100	1.00	1	06/12/2021 03:27	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 03:27	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 03:27	WG1687124
cis-1,2-Dichloroethene	0.790	U	0.126	1.00	1	06/12/2021 03:27	WG1687124
trans-1,2-Dichloroethene	2.80		0.149	1.00	1	06/12/2021 03:27	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 03:27	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 03:27	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 03:27	WG1687124
Ethylbenzene	0.387	B J	0.137	1.00	1	06/12/2021 03:27	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 03:27	WG1687124
Isopropylbenzene	U		0.105	1.00	1	06/12/2021 03:27	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 03:27	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 03:27	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/12/2021 03:27	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 03:27	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 03:27	WG1687124
Methyl tert-butyl ether	27.6		0.101	1.00	1	06/12/2021 03:27	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 03:27	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 03:27	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 03:27	WG1687124
Toluene	0.774	U	0.278	1.00	1	06/12/2021 03:27	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 03:27	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 10:22	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 03:27	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 03:27	WG1687124
Trichloroethene	0.349	U	0.190	1.00	1	06/12/2021 03:27	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 03:27	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 03:27	WG1687124
Vinyl chloride	45.5		0.234	1.00	1	06/12/2021 03:27	WG1687124



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	1.05	J	0.174	3.00	1	06/12/2021 03:27	WG1687124
(S) Toluene-d8	96.6			80.0-120		06/12/2021 03:27	WG1687124
(S) Toluene-d8	111			80.0-120		06/15/2021 10:22	WG1688402
(S) 4-Bromofluorobenzene	106			77.0-126		06/12/2021 03:27	WG1687124
(S) 4-Bromofluorobenzene	97.2			77.0-126		06/15/2021 10:22	WG1688402
(S) 1,2-Dichloroethane-d4	91.3			70.0-130		06/12/2021 03:27	WG1687124
(S) 1,2-Dichloroethane-d4	89.0			70.0-130		06/15/2021 10:22	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	442		15.0	50.0	1	06/19/2021 13:17	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	443000		8450	20000	1	06/11/2021 13:57	WG1686724

Sample Narrative:

L1361795-16 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	363	T8	15.0	50.0	1	06/08/2021 12:37	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 15:23	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	69900	T8	20000		1	06/11/2021 13:57	WG1686724

Sample Narrative:

L1361795-16 WG1686724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	72.0		25.0	50.0	1	06/09/2021 11:39	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2330000		37900	100000	100	06/14/2021 23:36	WG1687926
Sulfate	342000		5940	50000	10	06/14/2021 23:21	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	29400		204	2000	2	06/07/2021 16:52	WG1683969

Metals (ICP) by Method 6010C

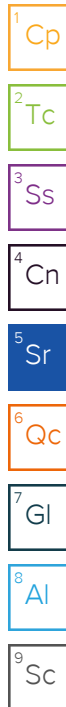
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	805		18.0	100	1	06/19/2021 13:17	WG1690062
Manganese	28.3		0.934	10.0	1	06/19/2021 13:17	WG1690062
Sodium	1320000		2520	15000	5	06/19/2021 21:26	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	3910		2.91	10.0	1	06/08/2021 11:23	WG1684027
Ethane	31.9		4.07	13.0	1	06/08/2021 11:23	WG1684027
Ethene	113		4.26	13.0	1	06/08/2021 11:23	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 03:48	WG1687124
Benzene	8.13		0.0941	1.00	1	06/12/2021 03:48	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 03:48	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 03:48	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 03:48	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 03:48	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 03:48	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 03:48	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 03:48	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 03:48	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 03:48	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 03:48	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 03:48	WG1687124
Cyclohexane	0.191	J J4	0.188	1.00	1	06/12/2021 03:48	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 03:48	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 03:48	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 03:48	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 03:48	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 03:48	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 03:48	WG1687124
1,1-Dichloroethane	0.403	U J	0.100	1.00	1	06/12/2021 03:48	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 03:48	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 03:48	WG1687124
cis-1,2-Dichloroethene	0.486	U J	0.126	1.00	1	06/12/2021 03:48	WG1687124
trans-1,2-Dichloroethene	3.67		0.149	1.00	1	06/12/2021 03:48	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 03:48	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 03:48	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 03:48	WG1687124
Ethylbenzene	1.99		0.137	1.00	1	06/12/2021 03:48	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 03:48	WG1687124
Isopropylbenzene	0.628	U J	0.105	1.00	1	06/12/2021 03:48	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 03:48	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 03:48	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/12/2021 03:48	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 03:48	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 03:48	WG1687124
Methyl tert-butyl ether	105		0.101	1.00	1	06/12/2021 03:48	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 03:48	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 03:48	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 03:48	WG1687124
Toluene	0.685	U J	0.278	1.00	1	06/12/2021 03:48	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 03:48	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 10:42	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 03:48	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 03:48	WG1687124
Trichloroethene	U		0.190	1.00	1	06/12/2021 03:48	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 03:48	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 03:48	WG1687124
Vinyl chloride	62.4		0.234	1.00	1	06/12/2021 03:48	WG1687124



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	2.02	J	0.174	3.00	1	06/12/2021 03:48	WG1687124
(S) Toluene-d8	97.6			80.0-120		06/12/2021 03:48	WG1687124
(S) Toluene-d8	108			80.0-120		06/15/2021 10:42	WG1688402
(S) 4-Bromofluorobenzene	101			77.0-126		06/12/2021 03:48	WG1687124
(S) 4-Bromofluorobenzene	101			77.0-126		06/15/2021 10:42	WG1688402
(S) 1,2-Dichloroethane-d4	89.8			70.0-130		06/12/2021 03:48	WG1687124
(S) 1,2-Dichloroethane-d4	90.8			70.0-130		06/15/2021 10:42	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	40400		18.0	100	1	06/19/2021 13:20	WG1690062

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	174000		8450	20000	1	06/11/2021 15:31	WG1686726

Sample Narrative:

L1361795-17 WG1686726: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	2190	T8	150	500	10	06/08/2021 12:38	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 17:54	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	27300	T8	20000		1	06/11/2021 15:31	WG1686726

Sample Narrative:

L1361795-17 WG1686726: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	29.0	J	25.0	50.0	1	06/09/2021 11:39	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	566000		19000	50000	50	06/15/2021 00:07	WG1687926
Sulfate	39200		2970	25000	5	06/14/2021 23:52	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	11000	B	510	5000	5	06/07/2021 17:03	WG1683969

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	42600		18.0	100	1	06/19/2021 13:20	WG1690062
Manganese	484		0.934	10.0	1	06/19/2021 13:20	WG1690062
Sodium	437000		504	3000	1	06/19/2021 20:31	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	660		2.91	10.0	1	06/08/2021 11:27	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 11:27	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 11:27	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 04:09	WG1687124
Benzene	U		0.0941	1.00	1	06/12/2021 04:09	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 04:09	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 04:09	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 04:09	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 04:09	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 04:09	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 04:09	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 04:09	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 04:09	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 04:09	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 04:09	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 04:09	WG1687124
Cyclohexane	U	J4	0.188	1.00	1	06/12/2021 04:09	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 04:09	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 04:09	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 04:09	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 04:09	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 04:09	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 04:09	WG1687124
1,1-Dichloroethane	U		0.100	1.00	1	06/12/2021 04:09	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 04:09	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 04:09	WG1687124
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/12/2021 04:09	WG1687124
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/12/2021 04:09	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 04:09	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 04:09	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 04:09	WG1687124
Ethylbenzene	U		0.137	1.00	1	06/12/2021 04:09	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 04:09	WG1687124
Isopropylbenzene	U		0.105	1.00	1	06/12/2021 04:09	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 04:09	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 04:09	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/12/2021 04:09	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 04:09	WG1687124
4-Methyl-2-pentanone (MIBK)	0.628	J	0.478	10.0	1	06/12/2021 04:09	WG1687124
Methyl tert-butyl ether	1.76		0.101	1.00	1	06/12/2021 04:09	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 04:09	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 04:09	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 04:09	WG1687124
Toluene	U		0.278	1.00	1	06/12/2021 04:09	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 04:09	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 11:02	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 04:09	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 04:09	WG1687124
Trichloroethene	U		0.190	1.00	1	06/12/2021 04:09	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 04:09	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 04:09	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/12/2021 04:09	WG1687124



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	U		0.174	3.00	1	06/12/2021 04:09	WG1687124
(S) Toluene-d8	97.7			80.0-120		06/12/2021 04:09	WG1687124
(S) Toluene-d8	113			80.0-120		06/15/2021 11:02	WG1688402
(S) 4-Bromofluorobenzene	107			77.0-126		06/12/2021 04:09	WG1687124
(S) 4-Bromofluorobenzene	100			77.0-126		06/15/2021 11:02	WG1688402
(S) 1,2-Dichloroethane-d4	91.7			70.0-130		06/12/2021 04:09	WG1687124
(S) 1,2-Dichloroethane-d4	89.0			70.0-130		06/15/2021 11:02	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	2530		15.0	50.0	1	06/19/2021 13:23	WG1690062

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	719000		8450	20000	1	06/11/2021 15:49	WG1686726

Sample Narrative:

L1361795-18 WG1686726: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	513	T8	15.0	50.0	1	06/08/2021 12:39	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		1000	2000	20	06/11/2021 15:26	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	36400	T8	20000	1	06/11/2021 15:49	WG1686726

Sample Narrative:

L1361795-18 WG1686726: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	341		25.0	50.0	1	06/09/2021 11:39	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	3180000		37900	100000	100	06/15/2021 00:38	WG1687926
Sulfate	266000		5940	50000	10	06/15/2021 00:22	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	18900		510	5000	5	06/07/2021 17:17	WG1683969

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3040		18.0	100	1	06/19/2021 13:23	WG1690062
Manganese	70.9		0.934	10.0	1	06/19/2021 13:23	WG1690062
Sodium	1890000		2520	15000	5	06/19/2021 21:29	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	6810		29.1	100	10	06/08/2021 16:52	WG1685001
Ethane	831		4.07	13.0	1	06/08/2021 11:32	WG1684027
Ethene	171		4.26	13.0	1	06/08/2021 11:32	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 04:30	WG1687124
Benzene	6.24		0.0941	1.00	1	06/12/2021 04:30	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 04:30	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 04:30	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 04:30	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 04:30	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 04:30	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 04:30	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 04:30	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 04:30	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 04:30	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 04:30	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 04:30	WG1687124
Cyclohexane	2.30	C5 J4	0.188	1.00	1	06/12/2021 04:30	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 04:30	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 04:30	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 04:30	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 04:30	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 04:30	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 04:30	WG1687124
1,1-Dichloroethane	0.739	UJ	0.100	1.00	1	06/12/2021 04:30	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 04:30	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 04:30	WG1687124
cis-1,2-Dichloroethene	0.144	UJ	0.126	1.00	1	06/12/2021 04:30	WG1687124
trans-1,2-Dichloroethene	16.2		0.149	1.00	1	06/12/2021 04:30	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 04:30	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 04:30	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 04:30	WG1687124
Ethylbenzene	6.68		0.137	1.00	1	06/12/2021 04:30	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 04:30	WG1687124
Isopropylbenzene	1.26		0.105	1.00	1	06/12/2021 04:30	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 04:30	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 04:30	WG1687124
Methyl Cyclohexane	5.18		0.660	1.00	1	06/12/2021 04:30	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 04:30	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 04:30	WG1687124
Methyl tert-butyl ether	164		0.101	1.00	1	06/12/2021 04:30	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 04:30	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 04:30	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 04:30	WG1687124
Toluene	0.413	UJ	0.278	1.00	1	06/12/2021 04:30	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 04:30	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 11:22	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 04:30	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 04:30	WG1687124
Trichloroethene	0.335	UJ	0.190	1.00	1	06/12/2021 04:30	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 04:30	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 04:30	WG1687124
Vinyl chloride	7.18		0.234	1.00	1	06/12/2021 04:30	WG1687124



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	3.61		0.174	3.00	1	06/12/2021 04:30	WG1687124
(S) Toluene-d8	98.4			80.0-120		06/12/2021 04:30	WG1687124
(S) Toluene-d8	111			80.0-120		06/15/2021 11:22	WG1688402
(S) 4-Bromofluorobenzene	104			77.0-126		06/12/2021 04:30	WG1687124
(S) 4-Bromofluorobenzene	101			77.0-126		06/15/2021 11:22	WG1688402
(S) 1,2-Dichloroethane-d4	94.1			70.0-130		06/12/2021 04:30	WG1687124
(S) 1,2-Dichloroethane-d4	86.9			70.0-130		06/15/2021 11:22	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		15.0	50.0	1	06/19/2021 13:26	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	475000		8450	20000	1	06/11/2021 15:57	WG1686726

Sample Narrative:

L1361795-19 WG1686726: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	905	T8	15.0	50.0	1	06/08/2021 12:40	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		1000	2000	20	06/11/2021 15:28	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	38900	T8	20000		1	06/11/2021 15:57	WG1686726

Sample Narrative:

L1361795-19 WG1686726: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	784	Q	25.0	50.0	1	06/09/2021 13:40	WG1684459

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2730000		37900	100000	100	06/15/2021 01:40	WG1687926
Sulfate	372000		5940	50000	10	06/15/2021 00:53	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	35600		510	5000	5	06/07/2021 17:33	WG1683969

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	722		18.0	100	1	06/19/2021 13:26	WG1690062
Manganese	12.4		0.934	10.0	1	06/19/2021 13:26	WG1690062
Sodium	1480000		2520	15000	5	06/19/2021 21:32	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	7940		29.1	100	10	06/08/2021 16:58	WG1685001
Ethane	480		4.07	13.0	1	06/08/2021 11:54	WG1684027
Ethene	145		4.26	13.0	1	06/08/2021 11:54	WG1684027

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	11.3	50.0	1	06/12/2021 04:52	WG1687124
Benzene	10.7		0.0941	1.00	1	06/12/2021 04:52	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 04:52	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 04:52	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 04:52	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 04:52	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 04:52	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 04:52	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 04:52	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 04:52	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 04:52	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 04:52	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 04:52	WG1687124
Cyclohexane	0.814	J J4	0.188	1.00	1	06/12/2021 04:52	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 04:52	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 04:52	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 04:52	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 04:52	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 04:52	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 04:52	WG1687124
1,1-Dichloroethane	0.406	U J	0.100	1.00	1	06/12/2021 04:52	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 04:52	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 04:52	WG1687124
cis-1,2-Dichloroethene	0.133	U J	0.126	1.00	1	06/12/2021 04:52	WG1687124
trans-1,2-Dichloroethene	12.9		0.149	1.00	1	06/12/2021 04:52	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 04:52	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 04:52	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 04:52	WG1687124
Ethylbenzene	7.61		0.137	1.00	1	06/12/2021 04:52	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 04:52	WG1687124
Isopropylbenzene	0.925	U J	0.105	1.00	1	06/12/2021 04:52	WG1687124
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/12/2021 04:52	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 04:52	WG1687124
Methyl Cyclohexane	U		0.660	1.00	1	06/12/2021 04:52	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 04:52	WG1687124
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/12/2021 04:52	WG1687124
Methyl tert-butyl ether	195		0.101	1.00	1	06/12/2021 04:52	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 04:52	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 04:52	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 04:52	WG1687124
Toluene	0.944	U J	0.278	1.00	1	06/12/2021 04:52	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 04:52	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 11:42	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 04:52	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 04:52	WG1687124
Trichloroethene	0.214	U J	0.190	1.00	1	06/12/2021 04:52	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 04:52	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 04:52	WG1687124
Vinyl chloride	1.06		0.234	1.00	1	06/12/2021 04:52	WG1687124



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	20.2		0.174	3.00	1	06/12/2021 04:52	WG1687124
(S) Toluene-d8	97.8			80.0-120		06/12/2021 04:52	WG1687124
(S) Toluene-d8	110			80.0-120		06/15/2021 11:42	WG1688402
(S) 4-Bromofluorobenzene	104			77.0-126		06/12/2021 04:52	WG1687124
(S) 4-Bromofluorobenzene	101			77.0-126		06/15/2021 11:42	WG1688402
(S) 1,2-Dichloroethane-d4	88.1			70.0-130		06/12/2021 04:52	WG1687124
(S) 1,2-Dichloroethane-d4	89.7			70.0-130		06/15/2021 11:42	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	106		15.0	50.0	1	06/19/2021 13:30	WG1690062

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	83300		8450	20000	1	06/11/2021 16:06	WG1686726

Sample Narrative:

L1361795-20 WG1686726: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	1170	T8	15.0	50.0	1	06/08/2021 12:41	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 17:55	WG1685830

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	ND	T8	20000	1	06/11/2021 16:06	WG1686726

Sample Narrative:

L1361795-20 WG1686726: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	38.0	J	25.0	50.0	1	06/09/2021 11:40	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	835000		3790	10000	10	06/15/2021 11:40	WG1687926
Sulfate	36700		2970	25000	5	06/15/2021 01:55	WG1687926

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	29200		510	5000	5	06/07/2021 18:15	WG1683969

Metals (ICP) by Method 6010C

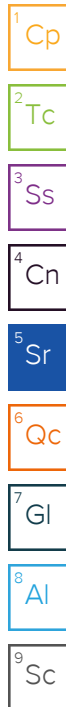
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1270		18.0	100	1	06/19/2021 13:30	WG1690062
Manganese	18.5		0.934	10.0	1	06/19/2021 13:30	WG1690062
Sodium	362000		504	3000	1	06/19/2021 20:40	WG1690062

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	5700		2.91	10.0	1	06/08/2021 11:58	WG1684027
Ethane	U		4.07	13.0	1	06/08/2021 11:58	WG1684027
Ethene	U		4.26	13.0	1	06/08/2021 11:58	WG1684027

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	16.8	C3 J	11.3	50.0	1	06/12/2021 05:13	WG1687124
Benzene	8.23		0.0941	1.00	1	06/12/2021 05:13	WG1687124
Bromochloromethane	U		0.128	1.00	1	06/12/2021 05:13	WG1687124
Bromodichloromethane	U		0.136	1.00	1	06/12/2021 05:13	WG1687124
Bromoform	U		0.129	1.00	1	06/12/2021 05:13	WG1687124
Bromomethane	U		0.605	5.00	1	06/12/2021 05:13	WG1687124
Carbon disulfide	U		0.0962	1.00	1	06/12/2021 05:13	WG1687124
Carbon tetrachloride	U		0.128	1.00	1	06/12/2021 05:13	WG1687124
Chlorobenzene	U		0.116	1.00	1	06/12/2021 05:13	WG1687124
Chlorodibromomethane	U		0.140	1.00	1	06/12/2021 05:13	WG1687124
Chloroethane	U		0.192	5.00	1	06/12/2021 05:13	WG1687124
Chloroform	U		0.111	5.00	1	06/12/2021 05:13	WG1687124
Chloromethane	U	C3	0.960	2.50	1	06/12/2021 05:13	WG1687124
Cyclohexane	1.44	C5 J4	0.188	1.00	1	06/12/2021 05:13	WG1687124
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/12/2021 05:13	WG1687124
1,2-Dibromoethane	U		0.126	1.00	1	06/12/2021 05:13	WG1687124
1,2-Dichlorobenzene	U		0.107	1.00	1	06/12/2021 05:13	WG1687124
1,3-Dichlorobenzene	U		0.110	1.00	1	06/12/2021 05:13	WG1687124
1,4-Dichlorobenzene	U		0.120	1.00	1	06/12/2021 05:13	WG1687124
Dichlorodifluoromethane	U		0.374	5.00	1	06/12/2021 05:13	WG1687124
1,1-Dichloroethane	U		0.100	1.00	1	06/12/2021 05:13	WG1687124
1,2-Dichloroethane	U		0.0819	1.00	1	06/12/2021 05:13	WG1687124
1,1-Dichloroethene	U		0.188	1.00	1	06/12/2021 05:13	WG1687124
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/12/2021 05:13	WG1687124
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/12/2021 05:13	WG1687124
1,2-Dichloropropane	U		0.149	1.00	1	06/12/2021 05:13	WG1687124
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/12/2021 05:13	WG1687124
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/12/2021 05:13	WG1687124
Ethylbenzene	0.274	B J	0.137	1.00	1	06/12/2021 05:13	WG1687124
2-Hexanone	U		0.787	10.0	1	06/12/2021 05:13	WG1687124
Isopropylbenzene	1.11		0.105	1.00	1	06/12/2021 05:13	WG1687124
2-Butanone (MEK)	3.59	C3 J	1.19	10.0	1	06/12/2021 05:13	WG1687124
Methyl Acetate	U	C3	1.29	20.0	1	06/12/2021 05:13	WG1687124
Methyl Cyclohexane	1.01		0.660	1.00	1	06/12/2021 05:13	WG1687124
Methylene Chloride	U		0.430	5.00	1	06/12/2021 05:13	WG1687124
4-Methyl-2-pentanone (MIBK)	0.967	J	0.478	10.0	1	06/12/2021 05:13	WG1687124
Methyl tert-butyl ether	1.06		0.101	1.00	1	06/12/2021 05:13	WG1687124
Styrene	U		0.118	1.00	1	06/12/2021 05:13	WG1687124
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/12/2021 05:13	WG1687124
Tetrachloroethene	U		0.300	1.00	1	06/12/2021 05:13	WG1687124
Toluene	0.979	J	0.278	1.00	1	06/12/2021 05:13	WG1687124
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/12/2021 05:13	WG1687124
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/15/2021 12:02	WG1688402
1,1,1-Trichloroethane	U		0.149	1.00	1	06/12/2021 05:13	WG1687124
1,1,2-Trichloroethane	U		0.158	1.00	1	06/12/2021 05:13	WG1687124
Trichloroethene	U		0.190	1.00	1	06/12/2021 05:13	WG1687124
Trichlorofluoromethane	U		0.160	5.00	1	06/12/2021 05:13	WG1687124
1,1,2-Trichlorotrifluoroethane	U	J4	0.180	1.00	1	06/12/2021 05:13	WG1687124
Vinyl chloride	U		0.234	1.00	1	06/12/2021 05:13	WG1687124



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	1.50	J	0.174	3.00	1	06/12/2021 05:13	WG1687124
(S) Toluene-d8	101			80.0-120		06/12/2021 05:13	WG1687124
(S) Toluene-d8	111			80.0-120		06/15/2021 12:02	WG1688402
(S) 4-Bromofluorobenzene	113			77.0-126		06/12/2021 05:13	WG1687124
(S) 4-Bromofluorobenzene	97.7			77.0-126		06/15/2021 12:02	WG1688402
(S) 1,2-Dichloroethane-d4	90.5			70.0-130		06/12/2021 05:13	WG1687124
(S) 1,2-Dichloroethane-d4	89.1			70.0-130		06/15/2021 12:02	WG1688402

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	1560		15.0	50.0	1	06/21/2021 18:27	WG1690063

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	586000		8450	20000	1	06/11/2021 16:15	WG1686726

Sample Narrative:

L1361795-21 WG1686726: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	1000	T8	15.0	50.0	1	06/08/2021 12:41	WG1684426

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 13:09	WG1685831

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	26200	T8	20000		1	06/11/2021 16:15	WG1686726

Sample Narrative:

L1361795-21 WG1686726: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	230	Q	25.0	50.0	1	06/09/2021 13:42	WG1684459

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2840000		37900	100000	100	06/15/2021 18:13	WG1688096
Sulfate	310000		5940	50000	10	06/15/2021 17:57	WG1688096

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	24100		510	5000	5	06/07/2021 18:28	WG1683969

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2570		18.0	100	1	06/21/2021 18:27	WG1690063
Manganese	39.2		0.934	10.0	1	06/21/2021 18:27	WG1690063
Sodium	1560000		2520	15000	5	06/22/2021 10:27	WG1690063

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	6890		29.1	100	10	06/08/2021 17:03	WG1685001
Ethane	451		4.07	13.0	1	06/08/2021 14:34	WG1684539
Ethene	139		4.26	13.0	1	06/08/2021 14:34	WG1684539

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		56.5	250	5	06/13/2021 16:36	WG1687410
Benzene	9.19		0.471	5.00	5	06/13/2021 16:36	WG1687410
Bromochloromethane	U		0.640	5.00	5	06/13/2021 16:36	WG1687410
Bromodichloromethane	U		0.680	5.00	5	06/13/2021 16:36	WG1687410
Bromoform	U		0.645	5.00	5	06/13/2021 16:36	WG1687410
Bromomethane	U	C3	3.03	25.0	5	06/13/2021 16:36	WG1687410
Carbon disulfide	0.994	J	0.481	5.00	5	06/13/2021 16:36	WG1687410
Carbon tetrachloride	U		0.640	5.00	5	06/13/2021 16:36	WG1687410
Chlorobenzene	U		0.580	5.00	5	06/13/2021 16:36	WG1687410
Chlorodibromomethane	U		0.700	5.00	5	06/13/2021 16:36	WG1687410
Chloroethane	U		0.960	25.0	5	06/13/2021 16:36	WG1687410
Chloroform	U		0.555	25.0	5	06/13/2021 16:36	WG1687410
Chloromethane	U	C3	4.80	12.5	5	06/13/2021 16:36	WG1687410
Cyclohexane	U		0.940	5.00	5	06/13/2021 16:36	WG1687410
1,2-Dibromo-3-Chloropropane	U		1.38	25.0	5	06/13/2021 16:36	WG1687410
1,2-Dibromoethane	U		0.630	5.00	5	06/13/2021 16:36	WG1687410
1,2-Dichlorobenzene	U		0.535	5.00	5	06/13/2021 16:36	WG1687410
1,3-Dichlorobenzene	U		0.550	5.00	5	06/13/2021 16:36	WG1687410
1,4-Dichlorobenzene	U		0.600	5.00	5	06/13/2021 16:36	WG1687410
Dichlorodifluoromethane	U		1.87	25.0	5	06/13/2021 16:36	WG1687410
1,1-Dichloroethane	U		0.500	5.00	5	06/13/2021 16:36	WG1687410
1,2-Dichloroethane	U		0.409	5.00	5	06/13/2021 16:36	WG1687410
1,1-Dichloroethene	U		0.940	5.00	5	06/13/2021 16:36	WG1687410
cis-1,2-Dichloroethene	U		0.630	5.00	5	06/13/2021 16:36	WG1687410
trans-1,2-Dichloroethene	10.5		0.745	5.00	5	06/13/2021 16:36	WG1687410
1,2-Dichloropropane	U	C3	0.745	5.00	5	06/13/2021 16:36	WG1687410
cis-1,3-Dichloropropene	U		0.555	5.00	5	06/13/2021 16:36	WG1687410
trans-1,3-Dichloropropene	U		0.590	5.00	5	06/13/2021 16:36	WG1687410
Ethylbenzene	6.22		0.685	5.00	5	06/13/2021 16:36	WG1687410
2-Hexanone	U	C3	3.94	50.0	5	06/13/2021 16:36	WG1687410
Isopropylbenzene	0.888	J	0.525	5.00	5	06/13/2021 16:36	WG1687410
2-Butanone (MEK)	U	C3	5.95	50.0	5	06/13/2021 16:36	WG1687410
Methyl Acetate	U	C3	6.45	100	5	06/13/2021 16:36	WG1687410
Methyl Cyclohexane	U		3.30	5.00	5	06/13/2021 16:36	WG1687410
Methylene Chloride	U		2.15	25.0	5	06/13/2021 16:36	WG1687410
4-Methyl-2-pentanone (MIBK)	U	C3	2.39	50.0	5	06/13/2021 16:36	WG1687410
Methyl tert-butyl ether	174		0.505	5.00	5	06/13/2021 16:36	WG1687410
Styrene	U		0.590	5.00	5	06/13/2021 16:36	WG1687410
1,1,2,2-Tetrachloroethane	U		0.665	5.00	5	06/13/2021 16:36	WG1687410
Tetrachloroethene	U		1.50	5.00	5	06/13/2021 16:36	WG1687410
Toluene	U		1.39	5.00	5	06/13/2021 16:36	WG1687410
1,2,3-Trichlorobenzene	U		1.15	5.00	5	06/13/2021 16:36	WG1687410
1,2,4-Trichlorobenzene	U		2.41	5.00	5	06/13/2021 16:36	WG1687410
1,1,1-Trichloroethane	U		0.745	5.00	5	06/13/2021 16:36	WG1687410
1,1,2-Trichloroethane	U		0.790	5.00	5	06/13/2021 16:36	WG1687410
Trichloroethene	U		0.950	5.00	5	06/13/2021 16:36	WG1687410
Trichlorofluoromethane	U	C3	0.800	25.0	5	06/13/2021 16:36	WG1687410
1,1,2-Trichlorotrifluoroethane	U		0.900	5.00	5	06/13/2021 16:36	WG1687410
Vinyl chloride	1.21	C3 J	1.17	5.00	5	06/13/2021 16:36	WG1687410

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	18.0		0.870	15.0	5	06/13/2021 16:36	WG1687410
(S) Toluene-d8	109			80.0-120		06/13/2021 16:36	WG1687410
(S) 4-Bromofluorobenzene	106			77.0-126		06/13/2021 16:36	WG1687410
(S) 1,2-Dichloroethane-d4	95.3			70.0-130		06/13/2021 16:36	WG1687410

Sample Narrative:

L1361795-21 WG1687410: Non-target compounds too high to run at a lower dilution.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		15.0	50.0	1	06/21/2021 18:35	WG1690063

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	U		8450	20000	1	06/11/2021 16:24	WG1686726

Sample Narrative:

L1361795-22 WG1686726: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	19.0	J T8	15.0	50.0	1	06/10/2021 13:04	WG1686098

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 12:34	WG1685831

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	ND	T8	20000	1	06/11/2021 16:24	WG1686726

Sample Narrative:

L1361795-22 WG1686726: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	06/09/2021 11:40	WG1684461

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	384	J	379	1000	1	06/15/2021 18:30	WG1688096
Sulfate	U		594	5000	1	06/15/2021 18:30	WG1688096

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	228	B J	102	1000	1	06/07/2021 18:41	WG1683969

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	U		18.0	100	1	06/21/2021 18:35	WG1690063
Manganese	U		0.934	10.0	1	06/21/2021 18:35	WG1690063
Sodium	U		504	3000	1	06/21/2021 18:35	WG1690063

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	U		2.91	10.0	1	06/08/2021 14:39	WG1684539
Ethane	U		4.07	13.0	1	06/08/2021 14:39	WG1684539
Ethene	U		4.26	13.0	1	06/08/2021 14:39	WG1684539

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/13/2021 16:56	WG1687410
Benzene	U		0.0941	1.00	1	06/13/2021 16:56	WG1687410
Bromochloromethane	U		0.128	1.00	1	06/13/2021 16:56	WG1687410
Bromodichloromethane	U		0.136	1.00	1	06/13/2021 16:56	WG1687410
Bromoform	U		0.129	1.00	1	06/13/2021 16:56	WG1687410
Bromomethane	U	C3	0.605	5.00	1	06/13/2021 16:56	WG1687410
Carbon disulfide	U		0.0962	1.00	1	06/13/2021 16:56	WG1687410
Carbon tetrachloride	U		0.128	1.00	1	06/13/2021 16:56	WG1687410
Chlorobenzene	U		0.116	1.00	1	06/13/2021 16:56	WG1687410
Chlorodibromomethane	U		0.140	1.00	1	06/13/2021 16:56	WG1687410
Chloroethane	U		0.192	5.00	1	06/13/2021 16:56	WG1687410
Chloroform	U		0.111	5.00	1	06/13/2021 16:56	WG1687410
Chloromethane	U	C3	0.960	2.50	1	06/13/2021 16:56	WG1687410
Cyclohexane	U		0.188	1.00	1	06/13/2021 16:56	WG1687410
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/13/2021 16:56	WG1687410
1,2-Dibromoethane	U		0.126	1.00	1	06/13/2021 16:56	WG1687410
1,2-Dichlorobenzene	U		0.107	1.00	1	06/13/2021 16:56	WG1687410
1,3-Dichlorobenzene	U		0.110	1.00	1	06/13/2021 16:56	WG1687410
1,4-Dichlorobenzene	U		0.120	1.00	1	06/13/2021 16:56	WG1687410
Dichlorodifluoromethane	U		0.374	5.00	1	06/13/2021 16:56	WG1687410
1,1-Dichloroethane	U		0.100	1.00	1	06/13/2021 16:56	WG1687410
1,2-Dichloroethane	U		0.0819	1.00	1	06/13/2021 16:56	WG1687410
1,1-Dichloroethene	U		0.188	1.00	1	06/13/2021 16:56	WG1687410
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/13/2021 16:56	WG1687410
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/13/2021 16:56	WG1687410
1,2-Dichloropropane	U	C3	0.149	1.00	1	06/13/2021 16:56	WG1687410
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/13/2021 16:56	WG1687410
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/13/2021 16:56	WG1687410
Ethylbenzene	U		0.137	1.00	1	06/13/2021 16:56	WG1687410
2-Hexanone	U	C3	0.787	10.0	1	06/13/2021 16:56	WG1687410
Isopropylbenzene	U		0.105	1.00	1	06/13/2021 16:56	WG1687410
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/13/2021 16:56	WG1687410
Methyl Acetate	U	C3	1.29	20.0	1	06/13/2021 16:56	WG1687410
Methyl Cyclohexane	U		0.660	1.00	1	06/13/2021 16:56	WG1687410
Methylene Chloride	U		0.430	5.00	1	06/13/2021 16:56	WG1687410
4-Methyl-2-pentanone (MIBK)	U	C3	0.478	10.0	1	06/13/2021 16:56	WG1687410
Methyl tert-butyl ether	U		0.101	1.00	1	06/13/2021 16:56	WG1687410
Styrene	U		0.118	1.00	1	06/13/2021 16:56	WG1687410
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/13/2021 16:56	WG1687410
Tetrachloroethene	U		0.300	1.00	1	06/13/2021 16:56	WG1687410
Toluene	U		0.278	1.00	1	06/13/2021 16:56	WG1687410
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/13/2021 16:56	WG1687410
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/13/2021 16:56	WG1687410
1,1,1-Trichloroethane	U		0.149	1.00	1	06/13/2021 16:56	WG1687410
1,1,2-Trichloroethane	U		0.158	1.00	1	06/13/2021 16:56	WG1687410
Trichloroethene	U		0.190	1.00	1	06/13/2021 16:56	WG1687410
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/13/2021 16:56	WG1687410
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/13/2021 16:56	WG1687410
Vinyl chloride	U	C3	0.234	1.00	1	06/13/2021 16:56	WG1687410



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	U		0.174	3.00	1	06/13/2021 16:56	WG1687410
(S) Toluene-d8	110			80.0-120		06/13/2021 16:56	WG1687410
(S) 4-Bromofluorobenzene	103			77.0-126		06/13/2021 16:56	WG1687410
(S) 1,2-Dichloroethane-d4	96.4			70.0-130		06/13/2021 16:56	WG1687410

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		15.0	50.0	1	06/21/2021 18:07	WG1690063

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	U		8450	20000	1	06/11/2021 16:34	WG1686726

Sample Narrative:

L1361795-23 WG1686726: Endpoint pH 4.5

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	26.0	J T8	15.0	50.0	1	06/10/2021 13:05	WG1686098

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	06/11/2021 12:36	WG1685831

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Free Carbon Dioxide	ND	T8	20000	1	06/11/2021 16:34	WG1686726

Sample Narrative:

L1361795-23 WG1686726: Endpoint pH 4.5

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U	Q	25.0	50.0	1	06/09/2021 13:42	WG1684459

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	U		379	1000	1	06/15/2021 18:46	WG1688096
Sulfate	U		594	5000	1	06/15/2021 18:46	WG1688096

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	228	B J	102	1000	1	06/07/2021 18:52	WG1683969

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	U		18.0	100	1	06/21/2021 18:07	WG1690063
Manganese	U		0.934	10.0	1	06/21/2021 18:07	WG1690063
Sodium	U		504	3000	1	06/21/2021 18:07	WG1690063

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	U		2.91	10.0	1	06/08/2021 14:42	WG1684539
Ethane	U		4.07	13.0	1	06/08/2021 14:42	WG1684539
Ethene	U		4.26	13.0	1	06/08/2021 14:42	WG1684539

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/13/2021 17:16	WG1687410
Benzene	U		0.0941	1.00	1	06/13/2021 17:16	WG1687410
Bromochloromethane	U		0.128	1.00	1	06/13/2021 17:16	WG1687410
Bromodichloromethane	U		0.136	1.00	1	06/13/2021 17:16	WG1687410
Bromoform	U		0.129	1.00	1	06/13/2021 17:16	WG1687410
Bromomethane	U	C3	0.605	5.00	1	06/13/2021 17:16	WG1687410
Carbon disulfide	U		0.0962	1.00	1	06/13/2021 17:16	WG1687410
Carbon tetrachloride	U		0.128	1.00	1	06/13/2021 17:16	WG1687410
Chlorobenzene	U		0.116	1.00	1	06/13/2021 17:16	WG1687410
Chlorodibromomethane	U		0.140	1.00	1	06/13/2021 17:16	WG1687410
Chloroethane	U		0.192	5.00	1	06/13/2021 17:16	WG1687410
Chloroform	U		0.111	5.00	1	06/13/2021 17:16	WG1687410
Chloromethane	U	C3	0.960	2.50	1	06/13/2021 17:16	WG1687410
Cyclohexane	U		0.188	1.00	1	06/13/2021 17:16	WG1687410
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/13/2021 17:16	WG1687410
1,2-Dibromoethane	U		0.126	1.00	1	06/13/2021 17:16	WG1687410
1,2-Dichlorobenzene	U		0.107	1.00	1	06/13/2021 17:16	WG1687410
1,3-Dichlorobenzene	U		0.110	1.00	1	06/13/2021 17:16	WG1687410
1,4-Dichlorobenzene	U		0.120	1.00	1	06/13/2021 17:16	WG1687410
Dichlorodifluoromethane	U		0.374	5.00	1	06/13/2021 17:16	WG1687410
1,1-Dichloroethane	U		0.100	1.00	1	06/13/2021 17:16	WG1687410
1,2-Dichloroethane	U		0.0819	1.00	1	06/13/2021 17:16	WG1687410
1,1-Dichloroethene	U		0.188	1.00	1	06/13/2021 17:16	WG1687410
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/13/2021 17:16	WG1687410
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/13/2021 17:16	WG1687410
1,2-Dichloropropane	U	C3	0.149	1.00	1	06/13/2021 17:16	WG1687410
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/13/2021 17:16	WG1687410
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/13/2021 17:16	WG1687410
Ethylbenzene	U		0.137	1.00	1	06/13/2021 17:16	WG1687410
2-Hexanone	U	C3	0.787	10.0	1	06/13/2021 17:16	WG1687410
Isopropylbenzene	U		0.105	1.00	1	06/13/2021 17:16	WG1687410
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/13/2021 17:16	WG1687410
Methyl Acetate	U	C3	1.29	20.0	1	06/13/2021 17:16	WG1687410
Methyl Cyclohexane	U		0.660	1.00	1	06/13/2021 17:16	WG1687410
Methylene Chloride	U		0.430	5.00	1	06/13/2021 17:16	WG1687410
4-Methyl-2-pentanone (MIBK)	U	C3	0.478	10.0	1	06/13/2021 17:16	WG1687410
Methyl tert-butyl ether	U		0.101	1.00	1	06/13/2021 17:16	WG1687410
Styrene	U		0.118	1.00	1	06/13/2021 17:16	WG1687410
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/13/2021 17:16	WG1687410
Tetrachloroethene	U		0.300	1.00	1	06/13/2021 17:16	WG1687410
Toluene	U		0.278	1.00	1	06/13/2021 17:16	WG1687410
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/13/2021 17:16	WG1687410
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/13/2021 17:16	WG1687410
1,1,1-Trichloroethane	U		0.149	1.00	1	06/13/2021 17:16	WG1687410
1,1,2-Trichloroethane	U		0.158	1.00	1	06/13/2021 17:16	WG1687410
Trichloroethene	U		0.190	1.00	1	06/13/2021 17:16	WG1687410
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/13/2021 17:16	WG1687410
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/13/2021 17:16	WG1687410
Vinyl chloride	U	C3	0.234	1.00	1	06/13/2021 17:16	WG1687410



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	U		0.174	3.00	1	06/13/2021 17:16	WG1687410
(S) Toluene-d8	111			80.0-120		06/13/2021 17:16	WG1687410
(S) 4-Bromofluorobenzene	103			77.0-126		06/13/2021 17:16	WG1687410
(S) 1,2-Dichloroethane-d4	96.1			70.0-130		06/13/2021 17:16	WG1687410

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/13/2021 17:37	WG1687410
Benzene	U		0.0941	1.00	1	06/13/2021 17:37	WG1687410
Bromochloromethane	U		0.128	1.00	1	06/13/2021 17:37	WG1687410
Bromodichloromethane	U		0.136	1.00	1	06/13/2021 17:37	WG1687410
Bromoform	U		0.129	1.00	1	06/13/2021 17:37	WG1687410
Bromomethane	U	C3	0.605	5.00	1	06/13/2021 17:37	WG1687410
Carbon disulfide	U		0.0962	1.00	1	06/13/2021 17:37	WG1687410
Carbon tetrachloride	U		0.128	1.00	1	06/13/2021 17:37	WG1687410
Chlorobenzene	U		0.116	1.00	1	06/13/2021 17:37	WG1687410
Chlorodibromomethane	U		0.140	1.00	1	06/13/2021 17:37	WG1687410
Chloroethane	U		0.192	5.00	1	06/13/2021 17:37	WG1687410
Chloroform	U		0.111	5.00	1	06/13/2021 17:37	WG1687410
Chloromethane	U	C3	0.960	2.50	1	06/13/2021 17:37	WG1687410
Cyclohexane	U		0.188	1.00	1	06/13/2021 17:37	WG1687410
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/13/2021 17:37	WG1687410
1,2-Dibromoethane	U		0.126	1.00	1	06/13/2021 17:37	WG1687410
1,2-Dichlorobenzene	U		0.107	1.00	1	06/13/2021 17:37	WG1687410
1,3-Dichlorobenzene	U		0.110	1.00	1	06/13/2021 17:37	WG1687410
1,4-Dichlorobenzene	U		0.120	1.00	1	06/13/2021 17:37	WG1687410
Dichlorodifluoromethane	U		0.374	5.00	1	06/13/2021 17:37	WG1687410
1,1-Dichloroethane	U		0.100	1.00	1	06/13/2021 17:37	WG1687410
1,2-Dichloroethane	U		0.0819	1.00	1	06/13/2021 17:37	WG1687410
1,1-Dichloroethene	U		0.188	1.00	1	06/13/2021 17:37	WG1687410
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/13/2021 17:37	WG1687410
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/13/2021 17:37	WG1687410
1,2-Dichloropropane	U	C3	0.149	1.00	1	06/13/2021 17:37	WG1687410
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/13/2021 17:37	WG1687410
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/13/2021 17:37	WG1687410
Ethylbenzene	U		0.137	1.00	1	06/13/2021 17:37	WG1687410
2-Hexanone	U	C3	0.787	10.0	1	06/13/2021 17:37	WG1687410
Isopropylbenzene	U		0.105	1.00	1	06/13/2021 17:37	WG1687410
2-Butanone (MEK)	U	C3	1.19	10.0	1	06/13/2021 17:37	WG1687410
Methyl Acetate	U	C3	1.29	20.0	1	06/13/2021 17:37	WG1687410
Methyl Cyclohexane	U		0.660	1.00	1	06/13/2021 17:37	WG1687410
Methylene Chloride	U		0.430	5.00	1	06/13/2021 17:37	WG1687410
4-Methyl-2-pentanone (MIBK)	U	C3	0.478	10.0	1	06/13/2021 17:37	WG1687410
Methyl tert-butyl ether	U		0.101	1.00	1	06/13/2021 17:37	WG1687410
Styrene	U		0.118	1.00	1	06/13/2021 17:37	WG1687410
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/13/2021 17:37	WG1687410
Tetrachloroethene	U		0.300	1.00	1	06/13/2021 17:37	WG1687410
Toluene	U		0.278	1.00	1	06/13/2021 17:37	WG1687410
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/13/2021 17:37	WG1687410
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/13/2021 17:37	WG1687410
1,1,1-Trichloroethane	U		0.149	1.00	1	06/13/2021 17:37	WG1687410
1,1,2-Trichloroethane	U		0.158	1.00	1	06/13/2021 17:37	WG1687410
Trichloroethene	U		0.190	1.00	1	06/13/2021 17:37	WG1687410
Trichlorofluoromethane	U	C3	0.160	5.00	1	06/13/2021 17:37	WG1687410
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/13/2021 17:37	WG1687410
Vinyl chloride	U	C3	0.234	1.00	1	06/13/2021 17:37	WG1687410
Xylenes, Total	U		0.174	3.00	1	06/13/2021 17:37	WG1687410
(S) Toluene-d8	110			80.0-120		06/13/2021 17:37	WG1687410
(S) 4-Bromofluorobenzene	102			77.0-126		06/13/2021 17:37	WG1687410
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		06/13/2021 17:37	WG1687410

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3666684-1 06/13/21 05:50

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1360695-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1360695-01 06/13/21 06:08 • (DUP) R3666684-3 06/13/21 06:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	166000	145000	1	13.2		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1361795-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-01 06/13/21 07:25 • (DUP) R3666684-6 06/13/21 07:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	275000	276000	1	0.623		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3666684-5 06/13/21 07:08

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Alkalinity	100000	105000	105	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5



Method Blank (MB)

(MB) R3666282-1 06/11/21 10:28

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1361795-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-11 06/11/21 11:39 • (DUP) R3666282-3 06/11/21 11:50

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	313000	315000	1	0.641		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1361795-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-14 06/11/21 12:36 • (DUP) R3666282-6 06/11/21 12:45

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	466000	466000	1	0.0787		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3666282-5 06/11/21 12:02

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Alkalinity	100000	104000	104	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5



Method Blank (MB)

(MB) R3666506-1 06/11/21 15:05

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1361795-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-17 06/11/21 15:31 • (DUP) R3666506-3 06/11/21 15:40

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	174000	176000	1	0.933		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1361668-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1361668-01 06/11/21 18:15 • (DUP) R3666506-6 06/11/21 18:25

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	85800	86200	1	0.389		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3666506-5 06/11/21 16:45

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

Sample Narrative:

LCS: Endpoint pH 4.5



Method Blank (MB)

(MB) R3664577-1 06/08/21 12:20

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

L1361795-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-07 06/08/21 12:26 • (DUP) R3664577-3 06/08/21 12:26

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	18500	18600	50	0.550		20

L1361795-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-14 06/08/21 12:36 • (DUP) R3664577-6 06/08/21 12:36

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	20100	18900	50	6.15		20

Laboratory Control Sample (LCS)

(LCS) R3664577-2 06/08/21 12:21

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

L1361795-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361795-09 06/08/21 12:27 • (MS) R3664577-4 06/08/21 12:28 • (MSD) R3664577-5 06/08/21 12:29

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1000	247	1210	1210	95.9	96.1	1	80.0-120			0.166	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3665638-1 06/10/21 12:36

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

L1361539-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1361539-05 06/10/21 12:46 • (DUP) R3665638-3 06/10/21 12:47

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	353	331	1	6.43		20

L1362870-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1362870-03 06/10/21 13:11 • (DUP) R3665638-6 06/10/21 13:11

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	1210	1200	1	1.08		20

Laboratory Control Sample (LCS)

(LCS) R3665638-2 06/10/21 12:37

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ferrous Iron	1000	1010	101	85.0-115	

L1361795-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361795-23 06/10/21 13:05 • (MS) R3665638-4 06/10/21 13:05 • (MSD) R3665638-5 06/10/21 13:06

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1000	26.0	878	1000	85.2	97.5	1	80.0-120			13.1	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3666331-1 06/11/21 14:48

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

L1361795-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-01 06/11/21 14:51 • (DUP) R3666331-3 06/11/21 14:52

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

L1361795-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-13 06/11/21 15:14 • (DUP) R3666331-6 06/11/21 15:15

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

Laboratory Control Sample (LCS)

(LCS) R3666331-2 06/11/21 14:49

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	ug/l	ug/l	%	%	
Nitrate-Nitrite	2500	2580	103	90.0-110	

L1361795-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361795-06 06/11/21 14:58 • (MS) R3666331-4 06/11/21 15:04 • (MSD) R3666331-5 06/11/21 15:05

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate-Nitrite	2500	U	2230	2350	89.2	94.0	1	90.0-110	<u>J6</u>		5.24	20

L1361795-16 Original Sample (OS) • Matrix Spike (MS)

(OS) L1361795-16 06/11/21 15:23 • (MS) R3666331-7 06/11/21 15:24

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>
Analyte	ug/l	ug/l	ug/l	%		%	
Nitrate-Nitrite	2500	U	2330	93.2	1	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3666176-1 06/11/21 12:09

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

L1361578-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1361578-01 06/11/21 12:13 • (DUP) R3666176-3 06/11/21 12:14

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	432	427	1	1.16		20

L1361737-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1361737-04 06/11/21 12:27 • (DUP) R3666176-6 06/11/21 12:28

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	2060	2070	1	0.484		20

Laboratory Control Sample (LCS)

(LCS) R3666176-2 06/11/21 12:10

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Nitrate-Nitrite	2500	2570	103	90.0-110	

L1361737-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361737-01 06/11/21 12:17 • (MS) R3666176-4 06/11/21 12:18 • (MSD) R3666176-5 06/11/21 12:19

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate-Nitrite	2500	856	3300	3340	97.8	99.4	1	90.0-110			1.20	20

L1361755-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1361755-02 06/11/21 12:31 • (MS) R3666176-7 06/11/21 12:32

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Nitrate-Nitrite	2500	2480	4820	93.6	1	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3666684-2 06/13/21 05:50

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

Sample Narrative:
BLANK: Endpoint pH 4.5

L1360695-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1360695-01 06/13/21 06:08 • (DUP) R3666684-4 06/13/21 06:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	11400	ND	1	0.000		20

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

L1361795-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-01 06/13/21 07:25 • (DUP) R3666684-7 06/13/21 07:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	56200	62000	1	9.86		20

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3666282-2 06/11/21 10:28

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1361795-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-11 06/11/21 11:39 • (DUP) R3666282-4 06/11/21 11:50

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

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1361795-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-14 06/11/21 12:36 • (DUP) R3666282-7 06/11/21 12:45

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

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3666506-2 06/11/21 15:05

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1361795-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-17 06/11/21 15:31 • (DUP) R3666506-4 06/11/21 15:40

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	27300	28100	1	2.85		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1361668-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1361668-01 06/11/21 18:15 • (DUP) R3666506-7 06/11/21 18:25

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

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3665154-1 06/09/21 13:13

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

L1361795-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-19 06/09/21 13:40 • (DUP) R3665154-5 06/09/21 13:41

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	784	794	1	1.27		20

L1362150-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1362150-02 06/09/21 13:43 • (DUP) R3665154-6 06/09/21 13:43

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

Laboratory Control Sample (LCS)

(LCS) R3665154-2 06/09/21 13:15

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	573	115	85.0-115	

L1361747-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361747-03 06/09/21 13:38 • (MS) R3665154-3 06/09/21 13:38 • (MSD) R3665154-4 06/09/21 13:39

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	1000	U	562	511	56.2	51.1	1	80.0-120	J6	J6	9.51	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3665082-1 06/09/21 11:17

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

L1361795-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-06 06/09/21 11:28 • (DUP) R3665082-3 06/09/21 11:28

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	55.0	55.0	1	0.000		20

L1361795-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-18 06/09/21 11:39 • (DUP) R3665082-6 06/09/21 11:39

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	341	349	1	2.32		20

Laboratory Control Sample (LCS)

(LCS) R3665082-2 06/09/21 11:27

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	425	85.0	85.0-115	

L1361795-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361795-07 06/09/21 11:28 • (MS) R3665082-4 06/09/21 11:28 • (MSD) R3665082-5 06/09/21 11:28

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	1000	U	798	830	79.8	83.0	1	80.0-120	J6		3.93	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3665910-1 06/11/21 00:49

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

L1363262-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1363262-01 06/11/21 00:52 • (DUP) R3665910-3 06/11/21 00:52

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

Laboratory Control Sample (LCS)

(LCS) R3665910-2 06/11/21 00:49

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	462	92.4	85.0-115	

L1363262-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1363262-03 06/11/21 00:53 • (MS) R3665910-4 06/11/21 00:53 • (MSD) R3665910-5 06/11/21 00:53

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	1000	U	811	834	81.1	83.4	1	80.0-120			2.80	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3667421-1 06/14/21 10:55

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Chloride	425	⬇	379	1000
Sulfate	U		594	5000

L1361795-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-01 06/14/21 13:07 • (DUP) R3667421-3 06/14/21 13:22

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	9290000	9360000	100	0.760		15
Sulfate	1100000	1110000	100	1.13		15

L1361795-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-20 06/15/21 01:55 • (DUP) R3667421-6 06/15/21 02:11

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfate	36700	36800	5	0.385		15

L1361795-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-20 06/15/21 11:40 • (DUP) R3667421-8 06/15/21 11:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	835000	832000	10	0.364		15

Laboratory Control Sample (LCS)

(LCS) R3667421-2 06/14/21 11:10

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	40300	101	80.0-120	
Sulfate	40000	40400	101	80.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1361795-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361795-06 06/14/21 16:55 • (MS) R3667421-4 06/14/21 17:10 • (MSD) R3667421-5 06/14/21 17:25

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50000	262000	310000	302000	96.0	80.0	10	80.0-120			2.61	15
Sulfate	50000	62200	109000	106000	94.5	88.3	10	80.0-120			2.84	15

L1361795-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1361795-20 06/15/21 01:55 • (MS) R3667421-7 06/15/21 02:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50000	814000	861000	93.8	5	80.0-120	E
Sulfate	50000	36700	87100	101	5	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3667785-1 06/15/21 10:05

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

L1362067-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1362067-10 06/16/21 01:04 • (DUP) R3667785-6 06/16/21 01:20

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	511	510	1	0.0588	<u>U</u>	15
Sulfate	U	U	1	0.000		15

L1361981-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1361981-02 06/16/21 08:56 • (DUP) R3667785-8 06/16/21 09:12

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	238000	237000	5	0.484		15
Sulfate	95400	94900	5	0.495		15

Laboratory Control Sample (LCS)

(LCS) R3667785-2 06/15/21 10:21

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	ug/l	ug/l	%	%	
Chloride	40000	40100	100	80.0-120	
Sulfate	40000	40400	101	80.0-120	

L1361981-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361981-01 06/15/21 19:03 • (MS) R3667785-3 06/15/21 19:19 • (MSD) R3667785-4 06/15/21 19:35

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Chloride	50000	290000	327000	327000	72.6	73.2	1	80.0-120	<u>E V</u>	<u>E V</u>	0.0858	15
Sulfate	50000	68500	117000	117000	96.4	98.0	1	80.0-120	<u>E</u>	<u>E</u>	0.676	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1362067-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1362067-10 06/16/21 01:04 • (MS) R3667785-7 06/16/21 01:37

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50000	511	50000	99.0	1	80.0-120	
Sulfate	50000	U	50000	100	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3664265-2 06/07/21 10:35

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	785	⬇	102	1000

L1361596-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1361596-02 06/07/21 11:41 • (DUP) R3664265-3 06/07/21 11:59

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	6730	6590	1	2.12		20

L1361795-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-06 06/07/21 17:44 • (DUP) R3664265-6 06/07/21 18:07

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	20600	20800	1	0.676		20

Laboratory Control Sample (LCS)

(LCS) R3664265-1 06/07/21 10:21

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	75000	70200	93.6	85.0-115	

L1361600-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361600-01 06/07/21 12:16 • (MS) R3664265-4 06/07/21 12:39 • (MSD) R3664265-5 06/07/21 13:06

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	5160	51100	51000	91.9	91.6	1	80.0-120			0.274	20

L1361795-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361795-07 06/07/21 18:24 • (MS) R3664265-7 06/07/21 18:54 • (MSD) R3664265-8 06/07/21 19:16

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	7340	52100	51800	89.4	88.9	1	80.0-120			0.520	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3664266-2 06/07/21 10:06

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	365	⬇	102	1000

L1361286-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1361286-02 06/07/21 14:19 • (DUP) R3664266-5 06/07/21 14:36

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	10600	8180	1	26.1	⬇3	20

L1361795-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-13 06/07/21 15:58 • (DUP) R3664266-6 06/07/21 16:12

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	15000	15100	1	0.199		20

Laboratory Control Sample (LCS)

(LCS) R3664266-1 06/07/21 09:52

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	75000	73600	98.1	85.0-115	

L1359848-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1359848-02 06/07/21 13:37 • (MS) R3664266-3 06/07/21 13:51 • (MSD) R3664266-4 06/07/21 14:04

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	760	46500	46600	91.5	91.6	1	80.0-120			0.0860	20

L1361795-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361795-23 06/07/21 18:52 • (MS) R3664266-7 06/07/21 19:10 • (MSD) R3664266-8 06/07/21 19:23

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	228	47600	44600	94.8	88.8	1	80.0-120			6.53	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3669459-1 06/19/21 12:06

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) R3669459-2 06/19/21 12:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	9600	96.0	80.0-120	
Manganese	1000	938	93.8	80.0-120	
Sodium	10000	9670	96.7	80.0-120	

L1361795-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361795-01 06/19/21 12:11 • (MS) R3669459-4 06/19/21 12:17 • (MSD) R3669459-5 06/19/21 12:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	10000	12700	21900	21500	92.1	88.0	1	75.0-125			1.91	20
Manganese	1000	1600	2480	2490	88.7	89.7	1	75.0-125			0.374	20
Sodium	10000	4680000	4590000	4610000	0.000	0.000	1	75.0-125	EV	EV	0.247	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3670065-1 06/21/21 18:02

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) R3670065-2 06/21/21 18:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	9660	96.6	80.0-120	
Manganese	1000	923	92.3	80.0-120	
Sodium	10000	9710	97.1	80.0-120	

L1361795-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1361795-23 06/21/21 18:07 • (MS) R3670065-4 06/21/21 18:13 • (MSD) R3670065-5 06/21/21 18:15

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	10000	U	9680	9780	96.8	97.8	1	75.0-125			0.999	20
Manganese	1000	U	926	931	92.6	93.1	1	75.0-125			0.531	20
Sodium	10000	U	9830	9930	98.3	99.3	1	75.0-125			0.968	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3664452-2 06/08/21 09:39

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

L1361795-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-07 06/08/21 10:22 • (DUP) R3664452-3 06/08/21 10:52

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP RPD Limits %
Methane	52.7	50.5	1	4.26	20
Ethane	U	U	1	0.000	20
Ethene	U	U	1	0.000	20

L1361795-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-20 06/08/21 11:58 • (DUP) R3664452-4 06/08/21 12:03

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP RPD Limits %
Methane	5700	5680	1	0.351	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) R3664452-1 06/08/21 09:18 • (LCSD) R3664452-5 06/08/21 12:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	76.0	75.4	112	111	85.0-115			0.793	20
Ethane	129	126	123	97.7	95.3	85.0-115			2.41	20
Ethene	127	125	121	98.4	95.3	85.0-115			3.25	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3664656-2 06/08/21 12:33

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

L1361283-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1361283-01 06/08/21 13:06 • (DUP) R3664656-3 06/08/21 13:52

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

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

(LCS) R3664656-1 06/08/21 12:28 • (LCSD) R3664656-4 06/08/21 15:03

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	71.6	65.4	106	96.5	85.0-115			9.05	20
Ethane	129	119	117	92.2	90.7	85.0-115			1.69	20
Ethene	127	118	117	92.9	92.1	85.0-115			0.851	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3664713-2 06/08/21 16:19

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Methane	U		2.91	10.0

L1361795-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1361795-18 06/08/21 16:52 • (DUP) R3664713-3 06/08/21 16:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Methane	6810	6810	10	0.000		20

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

(LCS) R3664713-1 06/08/21 16:16 • (LCSD) R3664713-4 06/08/21 17:05

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	75.9	72.5	112	107	85.0-115			4.58	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3667086-2 06/11/21 22:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Benzene	0.201	U	0.0941	1.00
Bromodichloromethane	U		0.136	1.00
Bromochloromethane	U		0.128	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	0.172	U	0.137	1.00
2-Hexanone	U		0.787	10.0
Isopropylbenzene	U		0.105	1.00
2-Butanone (MEK)	U		1.19	10.0
Methyl Acetate	U		1.29	20.0
Methyl Cyclohexane	U		0.660	1.00
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Styrene	U		0.118	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
Tetrachloroethene	U		0.300	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3667086-2 06/11/21 22:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Toluene	U		0.278	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
1,2,3-Trichlorobenzene	U		0.230	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
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	99.7			80.0-120
(S) 4-Bromofluorobenzene	98.4			77.0-126
(S) 1,2-Dichloroethane-d4	86.6			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3667086-1 06/11/21 21:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	20.7	82.8	19.0-160	
Benzene	5.00	4.98	99.6	70.0-123	
Bromodichloromethane	5.00	4.94	98.8	75.0-120	
Bromochloromethane	5.00	5.63	113	76.0-122	
Bromoform	5.00	4.33	86.6	68.0-132	
Bromomethane	5.00	4.08	81.6	10.0-160	
Carbon disulfide	5.00	5.12	102	61.0-128	
Carbon tetrachloride	5.00	5.58	112	68.0-126	
Chlorobenzene	5.00	5.20	104	80.0-121	
Chlorodibromomethane	5.00	4.66	93.2	77.0-125	
Chloroethane	5.00	4.43	88.6	47.0-150	
Chloroform	5.00	5.50	110	73.0-120	
Chloromethane	5.00	3.64	72.8	41.0-142	
Cyclohexane	5.00	6.29	126	71.0-124	J4
1,2-Dibromo-3-Chloropropane	5.00	4.10	82.0	58.0-134	
1,2-Dibromoethane	5.00	4.88	97.6	80.0-122	
1,2-Dichlorobenzene	5.00	4.50	90.0	79.0-121	
1,3-Dichlorobenzene	5.00	4.51	90.2	79.0-120	
1,4-Dichlorobenzene	5.00	5.01	100	79.0-120	
Dichlorodifluoromethane	5.00	4.52	90.4	51.0-149	
1,1-Dichloroethane	5.00	4.68	93.6	70.0-126	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3667086-1 06/11/21 21:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,2-Dichloroethane	5.00	4.40	88.0	70.0-128	
1,1-Dichloroethene	5.00	5.37	107	71.0-124	
cis-1,2-Dichloroethene	5.00	5.04	101	73.0-120	
trans-1,2-Dichloroethene	5.00	5.51	110	73.0-120	
1,2-Dichloropropane	5.00	4.55	91.0	77.0-125	
cis-1,3-Dichloropropene	5.00	5.14	103	80.0-123	
trans-1,3-Dichloropropene	5.00	4.74	94.8	78.0-124	
Ethylbenzene	5.00	5.40	108	79.0-123	
2-Hexanone	25.0	20.3	81.2	67.0-149	
Isopropylbenzene	5.00	4.75	95.0	76.0-127	
2-Butanone (MEK)	25.0	17.7	70.8	44.0-160	
Methyl Acetate	25.0	18.7	74.8	57.0-148	
Methyl Cyclohexane	5.00	5.87	117	68.0-126	
Methylene Chloride	5.00	4.79	95.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	19.3	77.2	68.0-142	
Methyl tert-butyl ether	5.00	5.23	105	68.0-125	
Styrene	5.00	4.72	94.4	73.0-130	
1,1,2,2-Tetrachloroethane	5.00	4.06	81.2	65.0-130	
Tetrachloroethene	5.00	5.10	102	72.0-132	
Toluene	5.00	4.78	95.6	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	6.95	139	69.0-132	J4
1,2,3-Trichlorobenzene	5.00	5.74	115	50.0-138	
1,1,1-Trichloroethane	5.00	5.82	116	73.0-124	
1,1,2-Trichloroethane	5.00	4.81	96.2	80.0-120	
Trichloroethene	5.00	5.88	118	78.0-124	
Trichlorofluoromethane	5.00	4.65	93.0	59.0-147	
Vinyl chloride	5.00	4.48	89.6	67.0-131	
Xylenes, Total	15.0	13.9	92.7	79.0-123	
(S) Toluene-d8			99.1	80.0-120	
(S) 4-Bromofluorobenzene			105	77.0-126	
(S) 1,2-Dichloroethane-d4			91.1	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3667431-2 06/13/21 14:52

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3667431-2 06/13/21 14:52

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Toluene	U		0.278	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	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
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	113			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	97.8			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3667431-1 06/13/21 14:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	29.4	118	19.0-160	
Benzene	5.00	4.57	91.4	70.0-123	
Bromodichloromethane	5.00	4.63	92.6	75.0-120	
Bromochloromethane	5.00	4.37	87.4	76.0-122	
Bromoform	5.00	5.30	106	68.0-132	
Bromomethane	5.00	3.96	79.2	10.0-160	
Carbon disulfide	5.00	4.73	94.6	61.0-128	
Carbon tetrachloride	5.00	4.27	85.4	68.0-126	
Chlorobenzene	5.00	4.97	99.4	80.0-121	
Chlorodibromomethane	5.00	5.24	105	77.0-125	
Chloroethane	5.00	4.10	82.0	47.0-150	
Chloroform	5.00	4.66	93.2	73.0-120	
Chloromethane	5.00	3.06	61.2	41.0-142	
Cyclohexane	5.00	4.48	89.6	71.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.66	93.2	58.0-134	
1,2-Dibromoethane	5.00	4.92	98.4	80.0-122	
1,2-Dichlorobenzene	5.00	5.37	107	79.0-121	
1,3-Dichlorobenzene	5.00	5.53	111	79.0-120	
1,4-Dichlorobenzene	5.00	5.72	114	79.0-120	
Dichlorodifluoromethane	5.00	4.35	87.0	51.0-149	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3667431-1 06/13/21 14:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,1-Dichloroethane	5.00	4.14	82.8	70.0-126	
1,2-Dichloroethane	5.00	4.48	89.6	70.0-128	
1,1-Dichloroethene	5.00	4.41	88.2	71.0-124	
cis-1,2-Dichloroethene	5.00	4.76	95.2	73.0-120	
trans-1,2-Dichloroethene	5.00	4.70	94.0	73.0-120	
1,2-Dichloropropane	5.00	3.86	77.2	77.0-125	
cis-1,3-Dichloropropene	5.00	4.70	94.0	80.0-123	
trans-1,3-Dichloropropene	5.00	5.49	110	78.0-124	
Ethylbenzene	5.00	4.79	95.8	79.0-123	
2-Hexanone	25.0	19.5	78.0	67.0-149	
Isopropylbenzene	5.00	5.10	102	76.0-127	
2-Butanone (MEK)	25.0	17.5	70.0	44.0-160	
Methyl Acetate	25.0	17.0	68.0	57.0-148	
Methyl Cyclohexane	5.00	4.16	83.2	68.0-126	
Methylene Chloride	5.00	4.33	86.6	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	19.7	78.8	68.0-142	
Methyl tert-butyl ether	5.00	5.05	101	68.0-125	
Styrene	5.00	4.89	97.8	73.0-130	
1,1,2,2-Tetrachloroethane	5.00	5.63	113	65.0-130	
Tetrachloroethene	5.00	4.99	99.8	72.0-132	
Toluene	5.00	4.92	98.4	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	4.13	82.6	69.0-132	
1,2,3-Trichlorobenzene	5.00	4.97	99.4	50.0-138	
1,2,4-Trichlorobenzene	5.00	5.53	111	57.0-137	
1,1,1-Trichloroethane	5.00	4.41	88.2	73.0-124	
1,1,2-Trichloroethane	5.00	5.04	101	80.0-120	
Trichloroethene	5.00	4.11	82.2	78.0-124	
Trichlorofluoromethane	5.00	3.80	76.0	59.0-147	
Vinyl chloride	5.00	3.95	79.0	67.0-131	
Xylenes, Total	15.0	15.1	101	79.0-123	
(S) Toluene-d8			110	80.0-120	
(S) 4-Bromofluorobenzene			102	77.0-126	
(S) 1,2-Dichloroethane-d4			96.8	70.0-130	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3667448-3 06/15/21 05:43

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,4-Trichlorobenzene	U		0.481	1.00
(S) Toluene-d8	111			80.0-120
(S) 4-Bromofluorobenzene	99.1			77.0-126
(S) 1,2-Dichloroethane-d4	84.9			70.0-130

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

(LCS) R3667448-1 06/15/21 04:43 • (LCSD) R3667448-2 06/15/21 05:03

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 %
1,2,4-Trichlorobenzene	5.00	4.80	5.01	96.0	100	57.0-137			4.28	20
(S) Toluene-d8				111	110	80.0-120				
(S) 4-Bromofluorobenzene				99.8	98.2	77.0-126				
(S) 1,2-Dichloroethane-d4				87.3	90.8	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3667519-2 06/14/21 18:53

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3667519-2 06/14/21 18:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Toluene	U		0.278	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	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
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	103			80.0-120
(S) 4-Bromofluorobenzene	93.9			77.0-126
(S) 1,2-Dichloroethane-d4	100			70.0-130

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

(LCS) R3667519-1 06/14/21 17:53 • (LCSD) R3667519-3 06/14/21 21:46

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	23.8	19.8	95.2	79.2	19.0-160			18.3	27
Benzene	5.00	5.18	4.41	104	88.2	70.0-123			16.1	20
Bromodichloromethane	5.00	5.00	3.84	100	76.8	75.0-120		J3	26.2	20
Bromochloromethane	5.00	6.53	4.95	131	99.0	76.0-122	J4	J3	27.5	20
Bromoform	5.00	4.67	3.96	93.4	79.2	68.0-132			16.5	20
Bromomethane	5.00	7.73	6.03	155	121	10.0-160			24.7	25
Carbon disulfide	5.00	4.85	4.02	97.0	80.4	61.0-128			18.7	20
Carbon tetrachloride	5.00	4.59	3.88	91.8	77.6	68.0-126			16.8	20
Chlorobenzene	5.00	5.13	4.17	103	83.4	80.0-121		J3	20.6	20
Chlorodibromomethane	5.00	4.71	3.70	94.2	74.0	77.0-125		J3 J4	24.0	20
Chloroethane	5.00	6.14	4.99	123	99.8	47.0-150		J3	20.7	20
Chloroform	5.00	4.77	4.00	95.4	80.0	73.0-120			17.6	20
Chloromethane	5.00	4.91	3.97	98.2	79.4	41.0-142		J3	21.2	20
Cyclohexane	5.00	5.10	3.93	102	78.6	71.0-124		J3	25.9	20
1,2-Dibromo-3-Chloropropane	5.00	5.01	4.60	100	92.0	58.0-134			8.53	20
1,2-Dibromoethane	5.00	5.08	4.13	102	82.6	80.0-122		J3	20.6	20
1,2-Dichlorobenzene	5.00	4.60	4.35	92.0	87.0	79.0-121			5.59	20
1,3-Dichlorobenzene	5.00	4.79	4.43	95.8	88.6	79.0-120			7.81	20
1,4-Dichlorobenzene	5.00	4.71	4.48	94.2	89.6	79.0-120			5.01	20
Dichlorodifluoromethane	5.00	5.04	3.77	101	75.4	51.0-149		J3	28.8	20

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

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

(LCS) R3667519-1 06/14/21 17:53 • (LCSD) R3667519-3 06/14/21 21:46

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	4.87	4.07	97.4	81.4	70.0-126			17.9	20
1,2-Dichloroethane	5.00	5.16	4.11	103	82.2	70.0-128		J3	22.7	20
1,1-Dichloroethene	5.00	5.04	3.98	101	79.6	71.0-124		J3	23.5	20
cis-1,2-Dichloroethene	5.00	5.26	4.13	105	82.6	73.0-120		J3	24.1	20
trans-1,2-Dichloroethene	5.00	5.16	4.32	103	86.4	73.0-120			17.7	20
1,2-Dichloropropane	5.00	4.95	4.31	99.0	86.2	77.0-125			13.8	20
cis-1,3-Dichloropropene	5.00	5.30	4.28	106	85.6	80.0-123		J3	21.3	20
trans-1,3-Dichloropropene	5.00	5.47	4.59	109	91.8	78.0-124			17.5	20
Ethylbenzene	5.00	4.95	4.17	99.0	83.4	79.0-123			17.1	20
2-Hexanone	25.0	23.9	19.6	95.6	78.4	67.0-149			19.8	20
Isopropylbenzene	5.00	4.89	4.04	97.8	80.8	76.0-127			19.0	20
2-Butanone (MEK)	25.0	24.4	19.7	97.6	78.8	44.0-160		J3	21.3	20
Methyl Acetate	25.0	23.7	19.4	94.8	77.6	57.0-148			20.0	20
Methyl Cyclohexane	5.00	4.92	4.13	98.4	82.6	68.0-126			17.5	20
Methylene Chloride	5.00	4.98	4.28	99.6	85.6	67.0-120			15.1	20
4-Methyl-2-pentanone (MIBK)	25.0	24.3	19.7	97.2	78.8	68.0-142		J3	20.9	20
Methyl tert-butyl ether	5.00	4.89	4.18	97.8	83.6	68.0-125			15.7	20
Styrene	5.00	4.92	4.16	98.4	83.2	73.0-130			16.7	20
1,1,2,2-Tetrachloroethane	5.00	4.70	4.23	94.0	84.6	65.0-130			10.5	20
Tetrachloroethene	5.00	4.94	4.45	98.8	89.0	72.0-132			10.4	20
Toluene	5.00	5.12	4.39	102	87.8	79.0-120			15.4	20
1,1,2-Trichlorotrifluoroethane	5.00	5.56	4.36	111	87.2	69.0-132		J3	24.2	20
1,2,3-Trichlorobenzene	5.00	4.21	3.75	84.2	75.0	50.0-138			11.6	20
1,2,4-Trichlorobenzene	5.00	4.80	3.90	96.0	78.0	57.0-137		J3	20.7	20
1,1,1-Trichloroethane	5.00	5.23	4.29	105	85.8	73.0-124			19.7	20
1,1,2-Trichloroethane	5.00	5.14	4.54	103	90.8	80.0-120			12.4	20
Trichloroethene	5.00	4.98	4.36	99.6	87.2	78.0-124			13.3	20
Trichlorofluoromethane	5.00	4.94	4.05	98.8	81.0	59.0-147			19.8	20
Vinyl chloride	5.00	5.63	4.76	113	95.2	67.0-131			16.7	20
Xylenes, Total	15.0	14.5	12.6	96.7	84.0	79.0-123			14.0	20
(S) Toluene-d8				96.0	99.6	80.0-120				
(S) 4-Bromofluorobenzene				94.6	95.8	77.0-126				
(S) 1,2-Dichloroethane-d4				99.3	106	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3667709-3 06/15/21 13:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methyl tert-butyl ether	U		0.101	1.00
(S) Toluene-d8	109			80.0-120
(S) 4-Bromofluorobenzene	99.7			77.0-126
(S) 1,2-Dichloroethane-d4	90.3			70.0-130

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

(LCS) R3667709-1 06/15/21 12:58 • (LCSD) R3667709-2 06/15/21 13:18

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 %
Methyl tert-butyl ether	5.00	4.38	4.09	87.6	81.8	68.0-125			6.85	20
(S) Toluene-d8				110	105	80.0-120				
(S) 4-Bromofluorobenzene				96.1	94.1	77.0-126				
(S) 1,2-Dichloroethane-d4				91.6	93.3	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

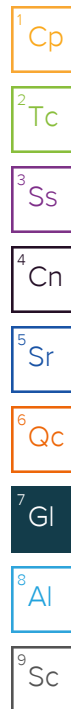
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.



GLOSSARY OF TERMS

Qualifier	Description
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

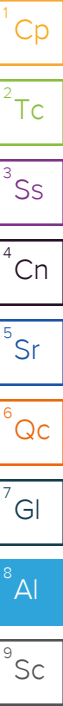
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



Company Name/Address: Arcadis - Chevron - NY 27-01 Queens Plaza North Suite 800 New York City, NY 11101				Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129				Analysis / Container / Preservative				Chain of Custody Page 1 of 3			
Report to: Ryan Merrell				Email To: ryan.merrell@arcadis.com;edwin.ptak@arcadis.com				Pres Chk				 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf			
Project Description: POD 4 - Oceanside 6518040				City/State Collected:				Please Circle: PT MT CT ET							
Phone: 718-446-0116				Client Project # 30062947.19.21				Lab Project # CHEVARCNY-6518040							
Collected by (print): <i>Kirk Varga</i> <i>Steve Messer</i>				Site/Facility ID # 6518040				P.O. #							
Collected by (signature): <i>[Signature]</i>				Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day				Quote #							
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed				No. of Cntrs							
Sample ID				Comp/Grab		Matrix *		Depth		Date		Time			
MW-27-D2-W-2106 <i>02</i>				<i>Grab</i>		GW				6/2/21		2230		11	
MW-28-D2R-W-2106 <i>02</i>						GW				6/2/21		2350		11	
MW-24-D2-W-2106 <i>01</i>						GW				6/1/21		1020		11	
MW-24-VDR-W-2106 <i>01</i>						GW				6/1/21		2345		11	
AMW-15-VD-W-2106 <i>02</i>						GW				6/2/21		0021		11	
AMW-7R-W-2106 <i>02</i>						GW				6/2/21		2000		11	
AMW-14-VD-W-2106 <i>02</i>						GW				6/2/21		2130		11	
AMW-14-D2-W-2106 <i>02</i>						GW				6/2/21		2115		11	
MW-28-D1-W-210 <i>02</i>				<i>Y</i>		GW				6/2/21		1840		11	
MW-26-D2-W-2106						GW								11	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier				pH _____ Temp _____ Flow _____ Other _____ Temp: <i>4.4 / 1.2 / 4.6 / 2.4 / 2.5 / 4.3</i> Tracking # <i>5117 4435 0859 0837 0848 0870 0891 0860</i>				Sample Receipt Checklist COC Seal Present/Intact: ☒ 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) <i>[Signature]</i>				Date: <i>6/3/21</i>		Time: <i>1300</i>		Received by: (Signature) <i>[Signature]</i>				Trip Blank Received: ☒ Yes ☐ No			
Relinquished by: (Signature)				Date:		Time:		Received by: (Signature)				Temp: <i>45.1 = 4.4</i> °C Bottles Received: <i>276 + 6TB</i>			
Relinquished by: (Signature)				Date:		Time:		Received for lab by: (Signature) <i>[Signature]</i>				Date: <i>6/4/21</i> Time: <i>0900</i> Hold: Condition: <i>NCF / OK</i>			

Company Name/Address: Arcadis - Chevron - NY				Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129				Analysis / Container / Preservative				Chain of Custody Page 2 of 3						
27-01 Queens Plaza North Suite 800 New York City, NY 11101				Email To: ryan.merrell@arcadis.com;edwin.ptak@arcadis.				Pres Chk										
Report to: Ryan Merrell				City/State Collected:				Please Circle: PT MT CT ET				12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf						
Project Description: POD 4 - Oceanside 6518040				Client Project # 30062947.19.21				Lab Project # CHEVARCNY-6518040				SDG # U36795 Table # Acctnum: CHEVARCNY Template: T182105 Prelogin: P851310 PM: 526 - Chris McCord PB: 735-25-21 Shipped Via: FedEX Priority						
Phone: 718-446-0116				Site/Facility ID # 6518040				P.O. #				Remarks Sample # (lab only)						
Collected by (print): Kirk Vagstad				Rush? (Lab MUST Be Notified)				Quote #										
Collected by (signature): <i>[Signature]</i>				☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day				Date Results Needed				No. of Cntrs						
Immediately Packed on Ice N ☐ Y ☒																		
Sample ID				Comp/Grab	Matrix *	Depth	Date	Time										
MW-23-D2R-W-210602				Grog	GW		6/2/21	2255	11	X	X	X	X	X	X	X	X	-10
AMW-15-D2-W-210602					GW		6/2/21	2330	11	X	X	X	X	X	X	X	X	-11
AMW-15-D3-W-210601					GW		6/1/21	2358	11	X	X	X	X	X	X	X	X	-12
MW-23-D1R-W-210602					GW		6/2/21	2310	11	X	X	X	X	X	X	X	X	-13
AMW-15-D1-W-210602					GW		6/2/21	0055	11	X	X	X	X	X	X	X	X	-14
MW-27-D1R-W-210602					GW		6/2/21	2210	11	X	X	X	X	X	X	X	X	-15
MW-26-D1-W-210602					GW		6/2/21	2020	11	X	X	X	X	X	X	X	X	-16
MW-29-D1-W-210602					GW		6/2/21	2359	11	X	X	X	X	X	X	X	X	-17
AMW-14-D1-W-210602					GW		6/2/21	2150	11	X	X	X	X	X	X	X	X	-18
MW-24-D1R-W-210601					GW		6/1/21	1050	11	X	X	X	X	X	X	X	X	-19
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks:				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ Y ☐ N						
Samples returned via:				Tracking #														
☐ UPS ☒ FedEx ☐ Courier																		
Relinquished by: (Signature)				Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes/No)	Temp: _____ °C	Bottles Received:	If preservation required by Login: Date/Time								
<i>[Signature]</i>				6/3/21	1300		Yes	45.1-4.4	276+6TB									
Relinquished by: (Signature)				Date:	Time:	Received by: (Signature)	Temp: _____ °C	Bottles Received:	If preservation required by Login: Date/Time									
Relinquished by: (Signature)				Date:	Time:	Received for lab by: (Signature)	Date:	Time:	Hold:	Condition:								
						<i>[Signature]</i>	6/4/21	0900		NCF / OK								

Company Name/Address: Arcadis - Chevron - NY 27-01 Queens Plaza North Suite 800 New York Citv. NY 11101						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	
Report to: Ryan Merrell						Email To: ryan.merrell@arcadis.com;edwin.ptak@arcadis.																		 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf	
Project Description: POD 4 - Oceanside 6518040						City/State Collected:						Please Circle: PT MT CT ET													
Phone: 718-446-0116				Client Project # 30062947.19.21				Lab Project # CHEVARCNY-6518040																	
Collected by (print): Kirk Vargas Steve Messor				Site/Facility ID # 6518040				P.O. #																	
Collected by (signature):				Rush? (Lab MUST Be Notified) Same Day _____ Five Day _____ Next Day _____ 5 Day (Rad Only) _____ Two Day _____ 10 Day (Rad Only) _____ Three Day _____				Quote #																	
Immediately Packed on Ice N ____ Y ☒				Date Results Needed				No. of Cntrs																	
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-210602	Grab	GW		6/2/21	1930	11	X	X	X	X	X	X	X	X		-20									
BD-W-210601	↓	GW		6/1/21	—	11	X	X	X	X	X	X	X	X		-21									
FB-W-210602		GW		6/2/21	0100	11	X	X	X	X	X	X	X	X		-22									
FB-W-210603		GW		6/3/21	0015	11	X	X	X	X	X	X	X	X		-23									
		GW				11	X	X	X	X	X	X	X	X											
	GW					11	X	X	X	X	X	X	X	X											
TB-W-210602	Grab	GW		6/2/21	—	6									X	-24									
TB-W-2106__		GW				1									X										
		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													
Relinquished by : (Signature) 				Date: 6/3/21		Time: 1300		Received by: (Signature)				Trip Blank Received: Yes No X6 HCL MeOH TBR													
Relinquished by : (Signature)				Date:		Time:		Received by: (Signature)				Temp: 45-124.4 °C Bottles Received: 276+6TB HCL													
Relinquished by : (Signature)				Date:		Time:		Received for lab by: (Signature) 				Date: 6/4/21 Time: 0900 Hold: Condition: NCF / OK													