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Date: February 14, 2023
Our Ref: 30062947
Subject: **Fourth Quarter 2022 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 US, Inc. (Arcadis) has prepared this Fourth Quarter 2022 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 November 28 and 29, 2022 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 November 28, 2022, 35 monitoring wells (AMW-3, AMW-13-D1, AMW-13-D2, AMW-13-VD, AMW-14-D1, AMW-14-D2, AMW-14-VD, AMW-15-D1, AMW-15-D2, AMW-15-VD, AMW-15-D3, AMW-7R, MW-18R, MW-23-D1R, MW-23-D2R, MW-24-D1R, MW-24-D2, MW-24-VDR, MW-26-D1, MW-26-D2, MW-26-VD, MW-27-D2 MW-27-D1R, MW-28-D1, MW-28-D2R, MW-29-D1, MW-29-D2, MW-29-VD, MW-30-D1, MW-30-D2, MW-30-VD, MW-31-D1R, MW-31-D2R, MW-32D, and OW-2-D1) were gauged prior to extracting HydraSleeves™.

Monitoring wells were gauged during high tide at the site on November 28, 2022. Measured depth-to-groundwater in the D1 horizon ranged from 4.77 feet below top of inner casing (btic) in MW-29-D1 to 9.33 feet btic in OW-2-D1. Measured depth-to-groundwater in the D2 horizon ranged from 4.88 feet btic in MW-29-D2 to 9.96 feet btic in MW-23-D2R. Measured depth-to-groundwater in the VD horizon ranged from 4.46 feet btic in MW-29-VD to 9.48 feet btic in MW-26-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 northwest and southwest, the D2 horizon is to the north and south, and for the VD horizon to the west. The well gauging data is reported in **Table 1** and presented on **Figures 3, 4, and 5**. Groundwater gauging and sampling logs are included in Attachment 1.

Groundwater Sampling

On November 28 and 29, 2022, groundwater samples were collected from HydraSleeves™ that were deployed in 20 monitoring wells (AMW-14-D1, AMW-14-D2, AMW-14-VD, AMW-7R, AMW-15-D1, AMW-15-D2, AMW-15-D3, AMW-15-VD, MW-18R, MW-23-D1R, MW-23-D2R, MW-24-D1R, MW-24-D2, MW-24-VDR, MW-26-D1, MW-27-D1R, MW-27-D2, MW-28-D1, MW-28-D2R and MW-29-D1). Monitoring well MW-26-D2 was not sampled as the HydraSleeve™ could not be located/retrieved. Prior to collection, groundwater parameters (pH, temperature, specific conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity) were collected. The groundwater samples were placed in laboratory-supplied containers, packaged on ice, and transported to Pace Analytical Inc. in Mt. Juliet, Tennessee (New York Certification #11742). Groundwater samples were collected for:

- Dissolved-phase volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C
- Total iron, sodium, and manganese by USEPA Method 6010D
- Nitrite and nitrate by USEPA Method 353.2
- Alkalinity by USEPA Method 2320 B-2011
- Sulfate and chloride by USEPA Method 9056A
- Sulfide by USEPA Method SM 4500S2 D-2011
- Total organic carbon by USEPA Method 9060A
- Ferric and ferrous iron by USEPA Method 3500 Fe B-2011
- Carbon dioxide by USEPA Method 4500CO2 D-2011
- 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 Q4 2022 sampling event:

- Benzene exceeded the NYSDEC TOGS value of 1 microgram per Liter (µg/L) at monitoring wells AMW-14-D1 (5.87 µg/L), AMW-15-D1 (5.99 µg/L), MW-18R (27.1 µg/L), MW-24-D1R (8.84 µg/L), MW-26-D1 (10.9 µg/L) and MW-27-D2 (3.41 µg/L)
- Ethylbenzene exceeded the NYSDEC TOGS value of 5 µg/L at monitoring well MW-24-D1R (5.30 µg/L) and AMW-14-D1 (6.90 µg/L)
- Xylene exceeded the NYSDEC TOGS value of 5 µg/L at monitoring wells MW-24-D1R (7.14 µg/L) and MW-18R (5.73 µg/L).
- Methyl tert-butyl ether (MTBE) exceeded the NYSDEC TOGS value of 10 µg/L at monitoring wells AMW-14-D1 (123 µg/L), AMW-15-D1 (97.3 µg/L), AMW-15-D2 (49.3 µg/L), MW-23-D2R (21.7 µg/L), MW-24-D1R (128 µg/L), MW-24-D2 (54.4 µg/L), MW-26-D1 (65.3 µg/L), MW-27-D2 (16.7 µg/L) and MW-29-D1 (15.9 µg/L)
- Vinyl chloride exceeds the NYSDEC TOGS value of 2 µg/L at monitoring wells AMW-14-D1 (4.80 µg/L), AMW-15-D1 (9.20 µg/L), MW-24-D1R (5.16 µg/L), MW-26-D1 (2.12 µg/L) and MW-27-D2 (17.4 µg/L)
- Trans-1,2-dichloroethene exceeded the NYSDEC TOGS value of 5 µg/L at monitoring wells AMW-14-D1 (20.6 µg/L) and MW-24-D1R (8.21 µg/L).

A blind duplicate sample was collected from monitoring well MW-24-D1R. Duplicate sample results were within acceptable ranges of the parent sample. The higher value of the parent/duplicate result is reported above to be conservative in reporting the data at the blind duplicate sample. The analytical results are summarized in **Table 2**

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and are illustrated on **Figure 6**. A Copy of the laboratory analytical report is included in **Attachment 2**. Historical groundwater analytical results are presented in **Table 3**. Following groundwater sampling, HydraSleeves™ were deployed in 19 monitoring wells.

Future Site Activities

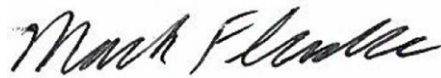
The next quarterly sampling event will be completed in March 2023. If you have any questions regarding this progress report or require any additional information, please do not hesitate to contact me at 724.934.9532 or at alex.newbrough@arcadis.com.

Sincerely,
Arcadis U.S., Inc.



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Project Manager

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Table 1
Groundwater Elevation Data – November 28, 2022
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Monitoring Well ID	Date	Well Diameter (in)	Well Depth (feet below TOC)	TOC Elevation (feet NAVD 88)*	Depth to LNAPL (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Table Elevation (feet NAVD 88*)
Shallow Fill Unit Monitoring Wells							
AMW-3	11/28/2022	2	12.42	9.05	ND	7.01	2.04
AMW-7R	11/28/2022	2	14.42	9.95	ND	8.67	1.28
MW-18R	11/28/2022	2	10.17	7.98	ND	4.74	3.24
D1 Horizon Monitoring Wells							
AMW-13-D1	11/28/2022	2	34.01	9.87	ND	8.83	1.04
AMW-14-D1	11/28/2022	2	33.15	9.38	ND	8.44	0.94
AMW-15-D1	11/28/2022	2	36.20	9.74	ND	9.05	0.69
MW-23-D1R	11/28/2022	2	25.78	9.84	ND	9.24	0.60
MW-24-D1R	11/28/2022	2	32.23	9.82	ND	9.16	0.66
MW-26-D1	11/28/2022	2	28.80	9.95	ND	9.32	0.63
MW-27-D1R	11/28/2022	2	32.99	9.01	ND	8.14	0.87
MW-28-D1	11/28/2022	2	30.28	8.25	ND	7.71	0.54
MW-29-D1	11/28/2022	2	23.45	5.21	ND	4.77	0.44
MW-30-D1	11/28/2022	2	30.00	8.74	ND	8.71	0.03
MW-31-D1R	11/28/2022	2	30.04	8.39	ND	8.07	0.32
MW-32D	11/28/2022	2	37.45	8.85	ND	8.15	0.70
OW-2-D1	11/28/2022	2	33.95	9.94	ND	9.33	0.61
D2 Horizon Monitoring Wells							
AMW-13-D2	11/28/2022	2	43.95	9.76	ND	8.82	0.94
AMW-14-D2	11/28/2022	2	43.17	9.37	ND	8.46	0.91
AMW-15-D2	11/28/2022	2	36.20	9.71	ND	9.15	0.56
MW-23-D2R	11/28/2022	2	44.63	10.52	ND	9.96	0.56
MW-24-D2	11/28/2022	2	42.20	10.00	ND	9.25	0.75
MW-26-D2	11/28/2022	2	43.76	9.40	ND	Dry	Dry
MW-27-D2	11/28/2022	2	46.97	9.09	ND	8.24	0.85
MW-28-D2R	11/28/2022	2	46.69	8.40	ND	7.87	0.53
MW-29-D2	11/28/2022	2	39.82	5.38	ND	4.88	0.50
MW-30-D2	11/28/2022	2	46.63	8.72	ND	8.31	0.41
MW-31-D2R	11/28/2022	2	45.15	8.35	ND	7.98	0.37
D3 Horizon Monitoring Wells							
AMW-15-D3	11/28/2022	2	48.60	9.81	ND	9.04	0.77
VD Horizon Monitoring Wells							
AMW-13-VD	11/28/2022	2	71.82	9.77	ND	8.45	1.32
AMW-14-VD	11/28/2022	2	75.61	9.25	ND	8.25	1.00
AMW-15-VD	11/28/2022	2	72.15	9.82	ND	8.89	0.93
MW-24-VDR	11/28/2022	2	73.98	9.72	ND	8.63	1.09
MW-26-VD	11/28/2022	2	68.25	9.99	ND	9.48	0.51
MW-29-VD	11/28/2022	2	67.22	5.27	ND	4.46	0.81
MW-30-VD	11/28/2022	2	83.40	8.70	ND	7.58	1.12

Notes:

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

in = Inches

TOC = top of casing

NAVD 88 = North America Vertical Datum of 1988

LNAPL = light non aqueous phase liquid

ND = not detected

Table 2
Summary of Groundwater Sampling Results – November 28-29, 2022
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York



Lab Sample ID	Date Sampled	Volatile Organics										GC Volatiles - RSK-175	Inorganics			General Chemistry			
		Benzene	Toluene	Ethyl- benzene	Xylene (total)	Methyl-t- butyl ether	Isopropyl- benzene	cis-1,2- Dichloro- ethene	trans-1,2- Dichloro- ethene	Trichloro- ethene (Trichloro- ethylene)	Vinyl Chloride Chloroethene)	Carbon Dioxide	Iron	Manganese	Sodium	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Nitrate- Nitrite
NYSDEC TOGS 1.1.1		1	5	5	5	10	5	5	5	5	2	NE	300	300	20,000	NE	250	NE	10,000
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	ug/L
AMW-14-D1	11/29/2022	5.87	0.339 J	6.90	2.89 J	123	1.16	<1.00	20.6	<1.00	4.80	67.7 B T8	2,090	19.5	1,100,000	669,000	3,450	1.52	<5,000
AMW-14-D2	11/29/2022	<1.00	<1.00	<1.00	<3.00	1.29	<1.00	<1.00	<1.00	<1.00	<1.00	36.3 B T8	4,860	28.9	416,000	308,000	1,680	4.49	515
AMW-14-VD	11/29/2022	<1.00	<1.00	<1.00	<3.00	0.198 J	<1.00	<1.00	<1.00	<1.00	<1.00	87.3 B T8	16,900	379	8,400,000	529,000	14,700	<0.10	<100
AMW-15-D1	11/28/2022	5.99	<1.00	3.45	0.332 J	97.3	0.465 J	1.75	1.94	0.265 J	9.20	40.5 B T8	430	17.6	1,240,000	588,000	2,320	0.126 T8	<5,000
AMW-15-D2	11/29/2022	0.330 J	<1.00	<1.00	<3.00	49.3 C5 J4	<1.00	0.370 J J4	0.256 J	<1.00	<1.00	70.6 B T8	511	75.0	1,610,000	574,000	2, 820	<0.05 T8	<5,000
AMW-15-D3	11/28/2022	0.107 J	<1.00	<1.00	<3.00	0.432 J	<1.00	0.132 J	<1.00	0.443 J	<1.00	37.9 B T8	1,310	514	2,590,000	450,000	6,090	<0.10 T8	<5,000
AMW-15-VD	11/28/2022	<1.00	<1.00	<1.00	<3.00	0.375 J	<1.00	<1.00	<1.00	<1.00	<1.00	30.3 B T8	8,060	300	4,360,000	494,000	11,900	4.06 T8	135
AMW-7R	11/29/2022	0.987 J	<1.00	0.461 J	1.22 J	<1.00	1.76	<1.00	<1.00	<1.00	<1.00	<20.0 T8	10,700	2,000	97,800	533,000	128	<0.10	<500
MW-18R	11/29/2022	27.1	3.21	0.936 J	5.73	8.16	3.72	<1.00	<1.00	<1.00	<1.00	<20.0 T8	631	19.4	442,000	231,000	634	--	<500
MW-23-D1R	11/29/2022	<1.00	<1.00	<1.00	<3.00	3.67	<1.00	0.137 J	<1.00	<1.00	<1.00	<20.0 T8	1,730	120	34,000	101,000	43.3	0.689	1,970
MW-23-D2R	11/29/2022	<1.00	<1.00	<1.00	<3.00	21.7	<1.00	<1.00	<1.00	<1.00	<1.00	37.5 B T8	863	894	1,380,000	494,000	3,210	--	<500
MW-24-D1R	11/29/2022	8.84 [7.97]	0.625 J [0.582 J]	5.30 [4.90]	7.14 [6.65]	125 [128]	0.587 J [0.547 J]	0.234 J [0.211 J]	8.21 [7.53]	0.252 J [0.234 J]	5.16 [<1.00]	49.2 B T8 [48.6 B T8]	3,410 [5,450]	34.4 [56.6]	1,360,000 [1,340,000]	415,000 [375,000]	1,960 [2,040]	0.287 T8 [0.790 T8]	<5,000 [<5,000]
MW-24-D2	11/29/2022	0.486 J	<1.00	<1.00	<3.00	54.4 C5 J4	0.143 J	0.162 J J4	0.333 J	<1.00	<1.00	90.6 B T8	830	62.8	2,010,000	662,000	3,380	0.830 T8	<5,000
MW-24-VDR	11/29/2022	<1.00	<1.00	<1.00	<3.00	0.165 J	<1.00	<1.00	<1.00	<1.00	<1.00	<20.0 T8	403	6.13 J	178,000	71,300	273	<0.10	<100
MW-26-D1	11/29/2022	10.9	0.278 J	1.69	3.19	65.3	0.427 J	<1.00	0.561 J	<1.00	2.12	53.0 B T8	510	111	1,270,000	483,000	2,160	0.479	<1,000
MW-27-D1R	11/29/2022	<1.00	<1.00	<1.00	<3.00	0.247 J	<1.00	<1.00	<1.00	<1.00	<1.00	93.2 B T8	3,650	343	2,510,000	389,000	4,690	<0.10	<100
MW-27-D2	11/29/2022	3.41	0.424 J	0.321 J	0.817 J	16.7	<1.00	0.617 J	1.92	0.242 J	17.4	47.0 B T8	431	46.5	2,120,000	639,000	3,900	<0.05	<1,000
MW-28-D1	11/29/2022	0.390 J	<1.00	<1.00	<3.00	3.34	<1.00	<1.00	<1.00	<1.00	<1.00	37.3 B T8	399	75.6	425,000	293,000	672	0.0229 J	123
MW-28-D2R	11/29/2022	<1.00	<1.00	<1.00	<3.00	0.107 J	<1.00	<1.00	<1.00	<1.00	<1.00	33.3 B T8	950	137	973,000	330,000	3,550	0.698	<100
MW-29-D1	11/29/2022	<1.00	<1.00	<1.00	<3.00	15.9	<1.00	<1.00	<1.00	<1.00	<1.00	<20.0 T8	1,510	12.3	17,400	41,400	29	<0.10	65.9 J

Notes:
ID = Identification
NYSDEC = New York State Department of Environmental Conservation
TOGS = NYSDEC Technical and Operational Guidance Series ambient water quality standards and guidance values of June 1998
<1.0 = not detected at or above the reporting limit
mg/L = milligrams per liter
ug/L = micrograms per liter
Bold = detected concentration
Shade = concentration was above the TOGS
C5 The reported concentration is an estimate. The continuing calibration standard associated with this data responded high.Data is likely to show a high bias concerning the result.
CaCO3 '= calcium carbonate
J = Analyte was detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
J4 = The associated batch QC was outside the established quality control range for accuracy
T8 = Sample(s) received past/too close to holding time expiration.
B = The same analyte is found in the associated blank.
NE = Not established
[] = Duplicate analysis results
-- = Not sampled

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



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
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYSDEC TOGS 1.1.1		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-12	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
AMW-13-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-14-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.91 J	0.46 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	0.62 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.54 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.180 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.606 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.790 J	<1.00	<5.00	<1.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.561 J	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.739 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.950 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.440 J	<1.00	<5.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.517 J	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.728 J	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.564 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.959 J	<1.00 C3	<5.00	<1.00	<1.00	<1.00
AMW-14-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<10.0
	8/19/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<10.0
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2022
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
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-14-D2 (cont.)	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.129 J	<1.00	<5.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.105 J	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.124 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	<1.00
AMW-14-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.43 J
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.45 J
	2/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.46 J
	6/10/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	8/20/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	0.350 J
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	0.119 J
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	0.221 J
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	0.293 J
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	0.343 J
AMW-15-D1	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	10/26/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	1.5 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	0.89 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.75 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00
	8/19/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00 J4	<5.00
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.325 J	<1.00	<5.00	<1.00	<1.00	<1.00
	3/19/2021	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00
	6/2/2021	<1.00 J3	<1.00	<1.00	<1.00	<1.00 J3	<1.00	<1.00 J3	<5.00	<1.00 J3	<1.00	<1.00 J3
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.665 J	<1.00	<5.00	<1.00	<1.00	<1.00

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

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
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D1 (cont.)	2/1/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.657 J	<1.00 C3	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.216 J	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.375 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/28/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.557 J	<1.00 C3	<5.00	<1.00	<1.00	<1.00
AMW-15-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	5/4/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
AMW-15-D3	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.187 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.104 J	<1.00	<5.00	<1.00	<1.00 J4	<1.00
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.139 J	<1.00	<5.00	<1.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	6/1/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00

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



Location ID	Date Sampled	Volatile Organics										
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotrifluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichlorobenzene (o-Dichlorobenzene)	1,2-Dichloro-ethane
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3 (cont.)	2/1/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	11/28/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.147 J	<1.00 C3	<5.00	<1.00	<1.00	<1.00
AMW-15-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	0.144 J
	11/4/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	0.101 J
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	11/28/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	<1.00
AMW-3	1/13/2016	< 5.0	< 5.0	< 5.0	4.8 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-7R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	<1.00
ASB-2	6/6/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-3	6/8/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-4	6/7/2016	4.2 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

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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	
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	
NYSDEC TOGS 1.1.1		Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
ASB-5	6/2/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
ASB-7	6/2/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
MW-18R	6/22/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
	7/11/2018	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	
	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	6/9/2020	<5.00	<5.00	<5.00	<5.00 J4	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00	
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00	
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	<1.00	
MW-23-D1R	10/26/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
	10/26/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	2/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00	<1.00	
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	<1.00	
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00	
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00	
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	<1.00	
	MW-23-D2R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
		6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
7/5/2017		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
8/27/2017		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
10/12/2017		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
7/12/2018		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
5/9/2019		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	

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Summary of Historical Groundwater VOC Analytical Results – 2016 through 2022
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
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	3/18/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	<1.00	
MW-24-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.56 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.74 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/16/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	0.72 J [0.69 J]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	12/5/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	0.36 J [0.71 J]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	2/11/2020	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 * [<1.0]	< 1.0 * [<1.0]	< 1.0 [<1.0]	0.46 J [0.59 J]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	6/9/2020	<5.00 [<5.00]	<5.00 [<5.00]	22	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]
	8/19/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 J4 [<5.00 J4]	<5.00 [<5.00]
	11/5/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]
	3/19/2021	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	0.457 J [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]
	6/1/2021	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 J4 [<5.00]	0.406 J [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]
	11/16/2021	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00 C3]	<1.00 [<1.00]	<1.00 [<1.00]	0.327 J [0.365 J]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
2/2/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.331 J [0.363 J]	<1.00 C3 [<1.00 C3]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	
5/4/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.344 J [0.408 J]	<1.00 C3 [<1.00 C3]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	
8/24/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.322 J [0.302 J]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	
11/29/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.330 J [0.280 J]	<1.00 C3 [<1.00 C3]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	
MW-24-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	7/5/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2022
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
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYSDEC TOGS 1.1.1		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-24-D2 (cont.)	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.293 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/18/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.210 J	<1.00	<5.00	<1.00	<1.00 J4	<1.00
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.553 J	<1.00	<5.00	<1.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.611 J	<1.00	<5.00	<1.00	<1.00	<1.00
	6/1/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.467 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.324 J	<1.00	<5.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.354 J	<1.00	<5.00	<1.00	<1.00	<1.00
	5/4/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.594 J	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00 C3	<1.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.122 J	<1.00	<5.00	<1.00	<1.00	<1.00
MW-24-VDR	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	8/18/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00
	11/5/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
6/1/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	
11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	
MW-26-D1	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/22/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/5/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	8/27/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.285 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.218 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.159 J	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.403 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.302 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	
5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00	
8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.115 J	<1.00	<5.00	<1.00	<1.00	<1.00	
11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.122 J	<1.00	<5.00	<1.00	<1.00	<1.00	

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Location ID	Date Sampled	Volatile Organics										
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-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
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-26-D2	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.102 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
MW-26-VD	1/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-27-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/19/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00
	11/6/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.359 J	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.278 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.268 J	<1.00 J4	<5.00	<1.00	<1.00	<1.00
	11/17/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.353 J	<1.00	<5.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.325 J	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.294 J	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.381 J	<1.00 C3	<5.00	<1.00	<1.00	<1.00
MW-27-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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



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
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-27-D2 (cont.)	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.4 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.430 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.483 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.118 J	<1.00	<5.00	<1.00	<1.00	<1.00
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.242 J	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.149 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<1.00	<1.00
	11/17/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.282 J	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.204 J	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.195 J	<1.00	<5.00	<1.00	<1.00	<1.00	
11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.362 J	<1.00 C3	<5.00	<1.00	<1.00	<1.00	
MW-28-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.76 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.58 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.69 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.67 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.4 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.209 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.172 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.741 J	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.163 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.213 J	<1.00 J4	<5.00	<1.00	<1.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00	
11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	<1.00	
MW-28-D2R	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.48 J	< 1.0	< 1.0	< 1.0	< 1.0	0.21 J
	7/28/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.67 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	0.74 J	< 1.0	0.79 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.74 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	0.155 J	<1.00	<5.00	<1.00	0.205 J	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.186 J	<1.00	<5.00	<1.00	0.251 J	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.342 J	<1.00	<5.00	<1.00	0.109 J	<1.00

Table 3
Summary of Historical Groundwater VOC Analytical Results – 2016 through 2022
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
		5	5	5	1	5	5	5	0.04	0.0006	3	0.6
NYSDEC TOGS 1.1.1		Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D2R (cont.)	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.217 J	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	0.211 J	<1.00	<5.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.147 J	<1.00 J4	<5.00	<1.00	0.401 J	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<1.00	<1.00	0.180 J	<1.00	<5.00	<1.00	0.392 B J	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.256 J	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.672 J	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	8/25/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.590 J	<1.00	<5.00	<1.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	0.294 J	<1.00 C3	<5.00	<1.00	<1.00	<1.00
MW-29-D1	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	8/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	11/6/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	3/20/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	8/12/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 C3	<5.00	<1.00	<1.00	<1.00
MW-29-D2	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-29-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D1	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D2	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	3.2 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/14/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.9	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D2R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.94 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)
		1	3	3	50	50	NE	50	1	50	50	5
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	50	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-12	1/14/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	25 J	80	< 5.0	< 5.0	< 5.0
AMW-13-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	6.5 J	< 1.0	0.99 J	3.4	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.4 J	4.5	< 1.0	1.1	< 1.0
AMW-13-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	3.3 J	3.2 J	< 1.0	0.97 J	4.2	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	4.8 J	< 1.0	< 1.0	0.62 J	< 1.0
AMW-13-VD	6/23/2016	< 1.0	< 1.0	< 1.0	3.2 J	< 5.0	< 5.0	18	< 1.0	< 1.0	3.1	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	5.8 J	< 5.0	2.4 J	46	< 1.0	< 1.0	< 1.0	< 1.0
AMW-14-D1	6/24/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	4.6 J	< 1.0	0.85 J	2.5	< 1.0
	7/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.9 J	4.3	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	2.0 J	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	4.7	< 2.0	< 2.0	< 2.0
	7/12/2018	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	5.3 J	< 8.0	< 8.0	< 8.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	0.98 J	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	7.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.64 J	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.8	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	3.1	< 1.0	< 1.0	< 1.0
	6/10/2020	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	0.533 J	< 1.00	< 1.00	< 5.00
	8/19/2020	< 1.00	< 1.00 J4	< 1.00 J4	< 10.0	< 10.0	< 10.0	< 50.0	5.40	< 1.00	< 1.00	< 5.00
	11/4/2020	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	7.94	< 1.00	< 1.00 C3 J4	< 5.00
	3/19/2021	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	1.41 J	< 50.0	3.41	< 1.00	< 1.00 C3	< 5.00
	6/2/2021	< 1.00	< 1.00	< 1.00	< 10.0 C3	< 10.0	< 10.0	< 50.0 C3	6.24	< 1.00	< 1.00	< 5.00
	8/12/2021	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	5.51	< 1.00	< 1.00	< 5.00
	11/16/2021	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0 C3	2.10	< 1.00	< 1.00	< 5.00
	2/2/2022	< 1.00 J4	< 1.00	< 1.00	< 10.0	< 10.0	0.952 J	< 50.0 J4	4.61	< 1.00	< 1.00	< 5.00 C3
	5/5/2022	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	4.62	< 1.00	< 1.00	< 5.00
	8/24/2022	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0 C3 J4	< 10.0	< 50.0	3.90	< 1.00	< 1.00	< 5.00 C3
	11/29/2022	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	5.87	< 1.00	< 1.00	< 5.00
AMW-14-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	3.2 J	3.3 J	< 1.0	0.99 J	4.6	< 1.0
	7/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.1 J	0.88 J	< 1.0	1.3	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	9.6 J	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	< 10.0	< 10.0	< 10.0	< 100	< 100	< 100	< 500	< 10.0	< 10.0	< 10.0	< 50.0
	8/19/2020	< 10.0	< 10.0 J4	< 10.0 J4	< 100	< 100	< 100	< 500	< 10.0	< 10.0	< 10.0	< 50.0
	11/5/2020	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	< 1.00	< 1.00	< 1.00	< 5.00
	3/19/2021	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 10.0	< 50.0	< 1.00	< 1.00	< 1.00 C3	< 5.00
	6/2/2021	< 1.00	< 1.00	< 1.00	< 10.0 C3	< 10.0	< 10.0	< 50.0 C3	0.249 BJ	< 1.00	< 1.00	< 5.00

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



Location ID	Date Sampled	Volatile Organics										
		1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	50	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-14-D2 (cont.)	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00 C3
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/24/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	0.154 J	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
AMW-14-VD	6/23/2016	< 1.0	< 1.0	< 1.0	3.9 J	< 5.0	2.1 J	22	< 1.0	0.87 J	3	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	8.9 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.7 J	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0
	9/13/2019	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0
	12/5/2019	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0
	2/12/2020	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0
	6/10/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/20/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3 J4	<5.00
	3/19/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00 C3
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/24/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
AMW-15-D1	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	2.1 J	4.2 J	0.48 J	< 1.0	2.2	< 1.0
	7/27/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	3.9 J	< 5.0	< 5.0	< 5.0
	10/26/2016	< 10	< 10	< 10	< 100	< 50	< 50	< 100	11	< 10	< 10	< 10
	10/26/2016	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	5.1	< 4.0	< 4.0	< 4.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	12	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	11	< 2.0	< 2.0	< 2.0
	10/17/2018	< 5.0	< 5.0	< 5.0	< 250	< 50	< 50	< 130	12	< 5.0	< 5.0	< 5.0
	5/9/2019	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	6.3	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	6.2	< 1.0	< 1.0 *	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	6.6	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	1.8	< 1.0	< 1.0	< 1.0
	6/10/2020	<5.00	<5.00	<5.00	<50.0	<50.0	<50.0	<250	6.35	<5.00	<5.00	<25.0
	8/19/2020	<5.00	<5.00	<5.00	<50.0	<50.0	<50.0	<250	4.70 J	<5.00	<5.00	<25.0
	11/4/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	3.55	<1.00	<1.00	<5.00
	3/19/2021	<5.00	<5.00	<5.00	<50.0	<50.0	<50.0	<250	5.80	<5.00	<5.00 C3	<25.0
	6/2/2021	<1.00	<1.00	<1.00	<10.0 J3	<10.0	<10.0 J3	<50.0	1.74	<1.00 J3	<1.00	3.35 J
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	6.78	<1.00	<1.00	<5.00

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



Location ID	Date Sampled	Volatile Organics										
		1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	50	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D1 (cont.)	2/1/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	6.26	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.06	<1.00	<1.00	<5.00
	8/24/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	4.13	<1.00	<1.00	<5.00 C3
	11/28/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	5.99	<1.00	<1.00	<5.00
AMW-15-D2	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	9.3 J	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	< 1.0	1.3 J	< 5.0	< 5.0	11	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.8 J	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	13	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	5.1 J	0.47 J	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	9.8	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	2.7 J	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.25 J	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.123 J	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.102 J	<1.00	<1.00	<5.00
	11/4/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.529 J	<1.00	<1.00 C3 J4	<5.00
	3/19/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.824 BJ	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.538 J	<1.00	<1.00	<5.00
	2/1/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.261 J	<1.00	<1.00	<5.00
	5/4/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.427 J	<1.00	<1.00	<5.00
	8/24/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.354 J	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.330 J	<1.00 J4	<1.00	<5.00
AMW-15-D3	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	6.9 J	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	7.3 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.6 J	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	36 J	3.7 J	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	16 J	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0 *	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	0.29 J	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.664 J	<1.00	<1.00	<5.00
	11/4/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.430 J	<1.00	<1.00 C3 J4	<5.00
	3/19/2021	<1.00	<1.00	<1.00	11.0	<10.0	0.640 J	62.4	12.8	<1.00	<1.00	<5.00
	6/1/2021	<1.00	<1.00	<1.00	3.00 C3J	<10.0	<10.0	17.1 C3J	2.75	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	22.8	<10.0	0.960 J	84.1 C3	15.4	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	16.2	<10.0	0.843 J	60.5 C3	9.89	<1.00	<1.00	<5.00

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



Location ID	Date Sampled	Volatile Organics										
		1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	50	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3 (cont.)	2/1/2022	<1.00	<1.00	<1.00	18.6 C5	<10.0	0.808 J	89.0	7.72	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	11.3	<10.0	1.08 J	64.7	7.96	<1.00	<1.00	<5.00
	11/28/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	0.107 J	<1.00	<1.00	<5.00
AMW-15-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.2 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	8.3 J	< 1.0	< 1.0	2.4	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	5.0 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/4/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3 J4	<5.00
	3/19/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.120 BJ	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	3.67 J	<10.0	<10.0	16.8 C3J	<1.00	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	2/1/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/24/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
	11/28/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00
AMW-3	1/13/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	280	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	3.4 J	< 5.0	< 5.0	21	< 1.0	< 1.0	< 1.0	< 1.0
AMW-7R	1/12/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	30 J	5.7	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	6.2 J	1.1	< 1.0	< 1.0	< 1.0
	7/11/2018	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	0.82 J	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	8.1 J	0.78 J	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.69 J	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.39 J	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.89 J	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.82 J	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.926 J	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	0.566 J	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.214 J	<1.00	<1.00 C3	<5.00 C3
	3/19/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.0960 J	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	1.08 B	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.109 J	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.124 J	<1.00	<1.00	<5.00
5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.395 J	<1.00	<1.00	<5.00	
11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.987 J	<1.00	<1.00	<5.00	
ASB-2	6/6/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	6	20	1.8	1.9	< 1.0	< 1.0
ASB-3	6/8/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	5.5 J	< 1.0	0.75 J	2.4	< 1.0
ASB-4	6/7/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	3.0 J	< 5.0	< 5.0	< 5.0

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Chevron Facility #6518040
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Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics										
		1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	50	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ASB-5	6/2/2016	< 1.0	< 1.0	< 1.0	1.4 J	< 5.0	5	12	< 1.0	1.5	< 1.0	< 1.0
ASB-7	6/2/2016	< 2.0	< 2.0	< 2.0	< 20	< 10	5.3 J	< 20	< 2.0	3.3	< 2.0	< 2.0
MW-18R	6/22/2016	< 10	< 10	< 10	< 100	< 50	< 50	< 100	310	< 10	< 10	< 10
	7/11/2018	< 20	< 20	< 20	74 J	< 100	< 100	330	48	< 20	< 20	< 20
	10/17/2018	< 5.0	< 5.0	< 5.0	70 J	< 50	< 50	230	69	< 5.0	< 5.0	< 5.0
	9/14/2019	< 1.0	< 1.0	< 1.0	10	< 5.0	2.2 J	47	85	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	33	3.7 J	2.9 J	130	74	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	19	0.29 J	< 1.0	< 1.0	< 1.0
	6/9/2020	<5.00	<5.00	<5.00	10.7 J	<50.0	<50.0	<250	27.0	<5.00	<5.00	<25.0
	3/19/2021	<1.00	<1.00	<1.00	12.6	1.62 J	1.76 J	44.4 J	8.34	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	3.59 C3J	<10.0	0.967 J	16.8 C3J	8.23	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	14.0	<10.0	2.81 J	68.6	33.2	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<1.00	<1.00	5.30 J	<10.0	1.95 J	16.2 C3 J	45.3	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<1.00	<1.00	6.33 J	<10.0	1.05 J	17.3 J	7.11	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	6.75 J	<10.0	<10.0	<50.0	11.7	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	13.4 J	54.3	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	1.92 J	<10.0	1.90 J	<50.0	27.1	<1.00	<1.00	<5.00
MW-23-D1R	10/26/2016	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0
	10/26/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	1/12/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	6.4 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	2.7 J	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	3.8	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.5	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.4	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.56 J	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.408 J	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.312 J	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.0955 J	<1.00	<1.00 C3	<5.00 C3
	3/19/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.150 J	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.158 BJ	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.151 J	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.110 J	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
MW-23-D2R	1/12/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	23	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	4.0 J	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	2.3	<1.0	<1.0	<1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.3	< 1.0	< 1.0	< 1.0

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Location ID	Date Sampled	Volatile Organics										
		1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	50	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.8	< 1.0	< 1.0	< 1.0
	8/19/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.407 J	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3
	3/18/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.110 J	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.0948 BJ	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.134 J	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.0984 J	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.124 J	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	
MW-24-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	5.4	< 4.0	< 4.0	< 4.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	4.1	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	4.9	< 1.0	< 1.0	< 1.0
	10/26/2016	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	11	< 8.0	< 8.0	< 8.0
	10/16/2018	< 5.0	< 5.0	< 5.0	< 250	< 50	< 50	< 130	8.3	< 5.0	< 5.0	< 5.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	1.5	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	<5.0 [<5.0]	<5.0 [<5.0]	13 [13]	< 1.0 [<1.0]	<1.0* [$<1.0^*$]	< 1.0 [<1.0]
	12/5/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	<5.0 [<5.0]	9.4	5.7 [11]	< 1.0 [<1.0]	<1.0 [<1.0]	< 1.0 [<1.0]
	2/11/2020	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	<5.0 [<5.0]	<5.0 [<5.0]	<5.0 [<5.0]	6[<5.0]	8.9 [13]	< 1.0 [<1.0]	<1.0 [<1.0]	< 1.0 [<1.0]
	6/9/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<50.0 [<50.0]	<50.0 [<50.0]	<50.0 [<50.0]	<250 [<250]	10.3 [11.7]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]
	8/19/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<50.0 [<50.0]	<50.0 [<50.0]	<50.0 [<50.0]	<250 [<250]	10.2 [9.74]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]
	11/5/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<50.0 [<50.0]	<50.0 [<50.0]	<50.0 [<50.0]	<250 [<250]	10.9 [8.99]	<5.00 [<5.00]	<5.00 C3 [<5.00 C3]	<25.0 C3 [<25.0 C3]
	3/19/2021	<1.00 [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<10.0 [<50.0]	<10.0 [<50.0]	0.587 J[<50.0]	<50.0 [<250]	11.3 [11.5]	<1.00 [<5.00]	<1.00 [<5.00] [<5.00 C3]	<5.00 [<25.0]
	6/1/2021	<1.00 [<5.00 C3]	<1.00 [<5.00]	<1.00 [<5.00]	<10.0 C3 [<50.0 C3]	<10.0 [<50.0 C3]	<10.0 [<50.0 C3]	<50.0 C3 [<250]	10.7 [9.19]	<1.00 [<5.00]	<1.00 [<5.00]	<5.00 [<25.0 C3]
	11/16/2021	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 [<10.0]	0.529 J [0.584 J]	<50.0 C3 [<50.0 J4]	8.94 [8.91]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]
	2/2/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 [<10.0]	<10.0 [<10.0]	<50.0 [<50.0]	7.66 [8.31]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]
5/4/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 [<10.0]	<10.0 [<10.0]	<50.0 [<50.0]	11.2 [12.1]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	
8/24/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	0 C3 J4 [<10.0 C3]	<10.0 [<10.0]	<50.0 [<50.0]	10.5 [9.61]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 C3 [<5.00 C3]	
11/29/2022	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<10.0 [<10.0]	<10.0 [<10.0]	<10.0 [<10.0]	<50.0 J4 [<50.0 J4]	8.84 [7.97]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	
MW-24-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	3.3 J	< 5.0	< 5.0	< 5.0
	1/13/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	3.1 J	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	0.97 J	< 1.0	< 1.0	< 1.0
	10/25/2016	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	62	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	56	3.0 J	< 5.0	< 5.0	< 5.0
	7/5/2017	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0	< 8.0	< 8.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	2.8 J	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0
	12/5/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	5.2	1.4	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.4 J	< 1.0	< 1.0	< 1.0

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



Location ID	Date Sampled	Volatile Organics										
		1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	50	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-24-D2 (cont.)	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.367 J	<1.00	<1.00	<5.00
	8/18/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.227 J	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.581 J	<1.00	<1.00 C3	<5.00 C3
	3/19/2021	1.08	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.662 J	<1.00	<1.00	<5.00
	6/1/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.681 BJ	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.406 J	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.259 J	<1.00	<1.00	<5.00
	5/4/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.559 J	<1.00	<1.00	<5.00
	8/24/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.486 J	<1.00 J4	<1.00	<5.00
MW-24-VDR	7/12/2018	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 5.0	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.4	< 1.0	< 1.0 *	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	5.5	7.2	< 1.0	< 1.0 *	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/18/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3
	3/19/2021	<1.00	<1.00	<1.00	<10.0	<10.0	2.68 J	139	<1.00	<1.00	<1.00	<5.00
	6/1/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.126 BJ	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	0.125 J	<1.00	<1.00	<5.00
	MW-26-D1	1/12/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	9.1	< 5.0	< 5.0
6/22/2016		< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	9.3	< 4.0	< 4.0	< 4.0
10/25/2016		< 10	< 10	< 10	< 100	< 50	< 50	< 100	8.6 J	< 10	< 10	< 10
10/25/2016		< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	12	< 4.0	< 4.0	< 4.0
7/5/2017		< 10	< 10	< 10	< 100	< 50	< 50	< 100	8.7 J	< 10	< 10	< 10
8/27/2017		< 10	< 10	< 10	< 100	< 50	< 50	< 100	9.5 J	< 10	< 10	< 10
10/11/2017		< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	6.5 J	< 2.0	< 2.0	< 2.0	< 2.0
7/13/2018		< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	17	< 2.0	< 2.0	< 2.0
10/17/2018		< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	4.9	< 1.0	< 1.0	< 1.0
9/13/2019		< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	9.3	< 1.0	< 1.0	< 1.0
12/6/2019		< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	6.2	< 1.0	< 1.0	< 1.0
2/11/2020		< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	7.5	< 1.0	< 1.0	< 1.0
6/10/2020		<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	8.93	<1.00	<1.00	<5.00
8/19/2020		<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	6.46	<1.00	<1.00	<5.00
11/6/2020		<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	5.88	<1.00	<1.00 C3	<5.00 C3
6/2/2021		<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	8.13	<1.00	<1.00	<5.00
8/12/2021		<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	5.78	<1.00	<1.00	<5.00
11/16/2021		<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	5.60	<1.00	<1.00	<5.00
2/2/2022		<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	4.30	<1.00	<1.00	<5.00 C3
5/5/2022		<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	8.67	<1.00	<1.00	<5.00
8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	8.97	<1.00	<1.00	<5.00 C3	
11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.486 J	<1.00 J4	<1.00	<5.00	

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Location ID	Date Sampled	Volatile Organics										
		1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	50	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-26-D2	1/12/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	9.4 J	< 2.0	< 2.0	< 2.0	< 2.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	37	< 2.0	< 2.0	< 2.0	< 2.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	0.69 J	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.79 J	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.46 J	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
MW-26-VD	1/13/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	170	< 1.0	< 1.0	< 1.0	< 1.0
MW-27-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	53	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	1.7 J	< 5.0	< 5.0	5.0 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	1.1 J	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	1.6 J	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	7.8	< 2.0	< 2.0	< 2.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	3.6	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.4	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	4.8	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	6.4	< 1.0	< 1.0	< 1.0
	8/19/2020	<5.00	<5.00 J4	<5.00 J4	<50.0	<50.0	<50.0	<250	3.12 J	<5.00	<5.00	<25.0
	11/6/2020	<5.00	<5.00	<5.00	<50.0	<50.0	<50.0	<250	2.58 J	<5.00	<5.00 C3	<25.0 C3
	3/20/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.56	<1.00	<1.00 C3	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	3.98	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	3.05	<1.00	<1.00 C3	<5.00
	11/17/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	5.67	<1.00	<1.00	<5.00
	2/2/2022	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	2.42	<1.00	<1.00	<5.00 C3
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.90	<1.00	<1.00	<5.00
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
MW-27-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 4.0	< 4.0	< 4.0	8.2 J	< 20	< 20	38 J	160	< 4.0	< 4.0	< 4.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0

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



Location ID	Date Sampled	Volatile Organics										
		1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	50	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-27-D2 (cont.)	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3
	3/20/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.263 BJ	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00 C3	<5.00
	11/17/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00 C3
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	3.41	<1.00	<1.00	<5.00	
MW-28-D1	6/24/2016	< 1.0	< 1.0	< 1.0	2.3 J	< 5.0	< 5.0	45	2.1	< 1.0	< 1.0	< 1.0
	7/28/2016	< 10	< 10	< 10	< 100	< 50	< 50	280	< 10	< 10	< 10	< 10
	7/5/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	8.9	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	2.7 J	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	3.7 J	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	9.3 J	5.6	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	2.4	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	9.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	11.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	17.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	9.35	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	5.03	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	24.3	<1.00	<1.00 C3	<5.00 C3
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	4.45	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	5.94	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	6.10	<1.00	<1.00	<5.00
	2/2/2022	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00 C3
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	2.96	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.390 J	<1.00	<1.00	<5.00
MW-28-D2R	6/24/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	3.3 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	4.4 J	< 1.0	1.2	5.6	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.50 J	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.24 J	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3

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



Location ID	Date Sampled	Volatile Organics										
		1,2-Dichloro-propane	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Butanone (Methyl ethyl ketone)	2-Hexanone	4-Methyl-2-pentanone	Acetone	Benzene	Bromo-dichloro-methane	Bromoform	Bromomethane (Methyl bromide)
NYSDEC TOGS 1.1.1		1	3	3	50	50	NE	50	1	50	50	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D2R (cont.)	3/20/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	<10.0	<50.0 C3	0.174 BJ	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00 C3	<5.00
	11/16/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00 J4	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0 J4	<1.00	<1.00	<1.00	<5.00 C3
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/25/2022	<1.00	<1.00	<1.00	<10.0	<10.0 C3 J4	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00 C3
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
MW-29-D1	1/14/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	25 J	81	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	9.5 J	6.3	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	32	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	5.5	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	9.7	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	19	< 2.0	< 2.0	< 2.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 40	< 20	< 20	< 40	4.3	< 4.0	< 4.0	< 4.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 40	9.1 J	< 20	< 40	5.2	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 50	< 10	< 10	< 25	3.7	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	9.8	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	0.67 J	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	0.110 J	<1.00	<1.00 C3	<5.00 C3
	3/20/2021	<1.00	<1.00	<1.00	<10.0	<10.0	0.488 J	<50.0	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<1.00	<1.00	<10.0 C3	<10.0	0.628 J	<50.0 C3	<1.00	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00
	11/29/2022	<1.00	<1.00	<1.00	<10.0	<10.0	0.744 J	<50.0	<1.00	<1.00	<1.00	<5.00
MW-29-D2	1/14/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
MW-29-VD	1/14/2016	< 10	< 10	< 10	< 100	< 50	< 50	< 100	< 10	< 10	< 10	< 10
	6/21/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D1	1/14/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	1.1	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D2	1/14/2016	< 5.0	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	1/14/2016	< 2.0	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-VD	1/14/2016	< 10	< 10	< 10	< 100	< 50	< 50	< 100	< 10	< 10	< 10	< 10
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	5.9 J	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	1/14/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	11	1.1	< 1.0	< 1.0	< 1.0
MW-31-D2R	1/14/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0

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



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
		60	5	5	5	7	5	5	0.4	NE	50	5	5
NYSDEC TOGS 1.1.1		Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-12	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	12	< 5.0	< 5.0	< 5.0
AMW-13-D1	6/24/2016	2.7	< 1.0	< 1.0	< 1.0	0.37 J	< 1.0	< 1.0	< 1.0	< 1.0	2.4	< 1.0	< 1.0
	7/27/2016	2.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.82 J	< 1.0	1.8
AMW-13-D2	6/23/2016	0.66 J	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	< 1.0	< 1.0	< 1.0	2.6	< 1.0	< 1.0
	7/27/2016	12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.41 J	< 1.0	< 1.0
AMW-13-VD	6/23/2016	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0
	7/27/2016	7.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-14-D1	6/24/2016	2.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2	< 1.0	< 1.0
	7/26/2016	2.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0	1.9	< 1.0	< 1.0	3.6
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	1.3 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3	< 2.0	< 2.0	7.2
	7/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	7.5 J
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	1
	5/10/2019	0.79 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	5.9
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.43 J
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.5
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.3 J	< 1.0 *	0.88 J	< 1.0 *	< 1.0	2.7
	6/10/2020	0.294 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.427 J	<1.00	<1.00	<1.00	<5.00	0.486 J
	8/19/2020	0.615 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	6.29
	11/4/2020	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	0.221 J	<1.00	2.02	<1.00	<5.00	6.53
	3/19/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.214 J	<1.00	1.33	<1.00	<5.00	3.34
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.144 J	<1.00	2.30 C5J4	<1.00	<5.00	6.68
	8/12/2021	0.713 J	<1.00	<1.00	<5.00	<5.00	<2.50 J4	<1.00	<1.00	<1.00	<1.00	<5.00	5.46
	11/16/2021	1.66	<1.00	<1.00	<5.00	<5.00	<2.50	0.227 J	<1.00	1.16	<1.00	<5.00	2.18
	2/2/2022	1.77	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	1.61	<1.00	<5.00	4.70
	5/5/2022	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	0.184 C3 J	<1.00	1.05	<1.00	<5.00	4.58
	8/24/2022	1.69	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	1.43	<1.00	<5.00	4.33
	11/29/2022	0.346 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	1.93 C5	<1.00	<5.00	6.90
AMW-14-D2	6/23/2016	5.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.6	< 1.0	< 1.0
	7/26/2016	12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.79 J	< 1.0	< 1.0
	7/27/2016	8.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	2.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	0.94 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	5/10/2019	0.32 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	0.35 J	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<10.0	<10.0	<10.0	<50.0	<50.0	<25.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0
	8/19/2020	<10.0	<10.0	<10.0	<50.0	<50.0	<25.0	2.50 J	<10.0	<10.0	<10.0	<50.0	<10.0
	11/5/2020	0.533 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.244 J	<1.00	0.201 JJ4	<1.00	<5.00	0.138 B J

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



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
NYSDEC TOGS 1.1.1		60	5	5	5	7	5	5	0.4	NE	50	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-14-D2 (cont.)	8/12/2021	1.10 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	0.585 J	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/5/2022	0.158 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/24/2022	0.861 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	0.396 J	<1.00	<5.00	<1.00
	11/29/2022	0.131 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
AMW-14-VD	6/23/2016	0.63 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.32 J	2	< 1.0	< 1.0
	7/27/2016	9.9	< 1.0	< 1.0	< 1.0	0.37 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	0.25 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	5/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0*	<1.0	<1.0	<1.0	<1.0	<1.0*	<1.0
	9/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	< 1.0 *	<1.0	<1.0	<1.0	<1.0
	6/10/2020	<1.00	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/20/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/5/2020	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	0.120 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00
	8/12/2021	1.23 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/24/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	AMW-15-D1	6/23/2016	0.46 J	< 1.0	< 1.0	< 1.0	0.51 J	< 1.0	20	< 1.0	< 1.0	1.1	< 1.0
7/27/2016		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	220	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
10/26/2016		< 10	< 10	< 10	< 10	< 10	< 10	81	< 10	< 10	< 10	< 10	< 10
10/26/2016		1.7 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	38	< 4.0	2.0 J	< 4.0	< 4.0	< 4.0
7/5/2017		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
8/27/2017		2.7 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	5.1	< 4.0	< 4.0	< 4.0	< 4.0	4.1
10/11/2017		2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.6 J	< 2.0	< 2.0	< 2.0	< 2.0	4.3
10/17/2018		1.7 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	2.8 J	< 5.0	< 5.0	5
5/9/2019		1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.79 J	< 1.0	< 1.0	2.6
9/13/2019		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	0.66 J	< 1.0	< 1.0	2.3
12/5/2019		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.63 J	< 1.0	0.77 J	< 1.0	< 1.0	2.8
2/11/2020		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	0.33 J	< 1.0 *	< 1.0	0.99 J
6/10/2020		<5.00	<5.00	<5.00	<25.0	<25.0	<12.5	<5.00	<5.00	<5.00	<5.00	<25.0	4.05 J
8/19/2020		6.45	<5.00	<5.00	<25.0	<25.0	<12.5	<5.00	<5.00	<5.00	<5.00	<25.0	2.57 J
11/4/2020		0.777 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.362 J	<1.00	<1.00	<1.00	<5.00	1.80
3/19/2021		<5.00	<5.00	<5.00	<25.0	<25.0	<12.5 C3	<5.00	<5.00	<5.00	<5.00	<25.0	4.74 J
6/2/2021		0.320 J	<1.00	<1.00 J3	<5.00 J3	<5.00	<2.50 J3	<1.00 J3	<1.00 J3	0.674 J J3	<1.00 J3 J4	<5.00 J3	1.55
11/16/2021		1.42	<1.00	<1.00	<5.00	<5.00	<2.50	0.229 J	<1.00	1.55	<1.00	<5.00	5.19

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



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
NYSDEC TOGS 1.1.1		60	5	5	5	7	5	5	0.4	NE	50	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D1 (cont.)	2/1/2022	0.394 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.168 J	<1.00	1.10	<1.00	<5.00	5.05
	5/5/2022	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	<1.00	<1.00	<5.00	1.61
	8/24/2022	1.30	<1.00	<1.00	<5.00	<5.00	<2.50	0.542 J	<1.00	0.665 J	<1.00	<5.00	2.63
	11/28/2022	0.248 J	<1.00	<1.00	<5.00	<5.00	<2.50	1.75	<1.00	0.851 J	<1.00	<5.00	3.45
AMW-15-D2	6/23/2016	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	0.75 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.86 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	5.1
	10/11/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	0.34 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.26 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.34 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.310 J	<1.00	<1.00	<1.00	<5.00	<1.00
	8/19/2020	2.33	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/4/2020	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	0.188 J	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	0.230 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.157 J	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.242 J	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	8/12/2021	4.08 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	0.885 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.161 J	<1.00	<1.00	<1.00	<5.00	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.194 J	<1.00	<1.00	<1.00	<5.00	<1.00
	5/4/2022	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	0.176 C3 J	<1.00	<1.00	<1.00	<5.00	<1.00
	8/24/2022	0.616 J	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.184 J	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	0.159 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.370 J J4	<1.00	<1.00	<1.00	<5.00	<1.00
AMW-15-D3	6/23/2016	4.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/23/2016	4.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	1.8 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	19	< 4.0	< 4.0	< 4.0	< 4.0	3.4 J
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	0.70 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.44 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	5/10/2019	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.99 J	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	0.318 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/19/2020	1.93	<1.00	<1.00	<5.00	<5.00	<2.50	1.73	<1.00	<1.00	<1.00	<5.00	0.161 J
	11/4/2020	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	0.951 J	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	1.23	<1.00	<1.00	<5.00	<5.00	<2.50	13.0	<1.00	0.672 J	<1.00	<5.00	1.97
	6/1/2021	1.29	<1.00	<1.00	<5.00	<5.00	<2.50 C3	3.81	<1.00	0.193 J J4	<1.00	<5.00	0.562 B J
	8/12/2021	5.26	<1.00	<1.00	<5.00	<5.00	<2.50	14.3	<1.00	0.639 J	<1.00	<5.00	2.22 B
	11/16/2021	2.96	<1.00	<1.00	<5.00	<5.00	<2.50	12.1	<1.00	0.861 J	<1.00	<5.00	1.57

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



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
NYSDEC TOGS 1.1.1		60	5	5	5	7	5	5	0.4	NE	50	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3 (cont.)	2/1/2022	1.89	<1.00	<1.00	<5.00	<5.00	<2.50	8.74	<1.00	0.705 J	<1.00	<5.00	1.02
	5/5/2022	2.38 C3	<1.00	<1.00	<5.00	<5.00	<2.50	8.40 C3	<1.00	0.378 J	<1.00	<5.00	1.01
	11/28/2022	0.456 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.132 J	<1.00	<1.00	<1.00	<5.00	<1.00
AMW-15-VD	6/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	0.74 J	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/19/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/4/2020	<1.00	<1.00 C3	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	8/12/2021	1.47 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	2/1/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/24/2022	0.266 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/28/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
AMW-3	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	57	< 5.0	< 5.0	29
	6/21/2016	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-7R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	0.43 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	18	< 1.0	< 1.0	< 1.0
	7/11/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	16	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	29	< 1.0	< 1.0	0.19 J
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	19	< 1.0	< 1.0	0.39 J
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	16	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	11	< 1.0	< 1.0	0.49 J
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	17	< 1.0	< 1.0	0.49 J
	6/9/2020	<1.00	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	13.5	<1.00	<5.00	0.805 J
	8/19/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	14.6	<1.00	<5.00	0.331 J
	11/6/2020	0.271 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	11.6	<1.00	<5.00	<1.00
	3/19/2021	0.140 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	2.77	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	11.9 C5 J4	<1.00	<5.00	0.892 B J
	8/12/2021	1.06 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	4.00	<1.00	<5.00	<1.00
11/16/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	4.88	<1.00	<5.00	<1.00	
5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	2.01	<1.00	<5.00	<1.00	
11/29/2022	0.157 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	5.97 C5	<1.00	<5.00	0.461 J	
ASB-2	6/6/2016	1.1	< 1.0	< 1.0	< 1.0	14	< 1.0	5.6	< 1.0	< 1.0	0.35 J	< 1.0	< 1.0
ASB-3	6/8/2016	0.27 J	< 1.0	< 1.0	< 1.0	0.92 J	< 1.0	2.8	< 1.0	< 1.0	1.5	< 1.0	< 1.0
ASB-4	6/7/2016	0.95 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	1600 E	< 5.0	5	< 5.0	< 5.0	6.7

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



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
NYSDEC TOGS 1.1.1		60	5	5	5	7	5	5	0.4	NE	50	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ASB-5	6/2/2016	0.53 J	< 1.0	< 1.0	< 1.0	19	< 1.0	2.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-7	6/2/2016	1.1 J	< 2.0	< 2.0	< 2.0	21	< 2.0	67	< 2.0	< 2.0	0.65 J	< 2.0	< 2.0
MW-18R	6/22/2016	< 10	< 10	< 10	< 10	< 10	< 10	14	< 10	20	< 10	< 10	< 10
	7/11/2018	6.2 J	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
	10/17/2018	2.4 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	8.3 J	< 5.0	< 5.0	1.2 J
	9/14/2019	3.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	6.7	< 1.0	< 1.0	1.4
	12/5/2019	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	< 1.0	7.2	< 1.0	< 1.0	1.6
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	0.66 J	< 1.0	< 1.0	< 1.0
	6/9/2020	1.26 J	<5.00	<5.00 J4	<25.0	<25.0	<12.5	<5.00	<5.00	2.51 J	<5.00	<25.0	1.27 J
	3/19/2021	1.28	<1.00	<1.00	<5.00	<5.00	<2.50	0.268 J	<1.00	4.84	<1.00	<5.00	0.672 J
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	1.44 C5 J4	<1.00	<5.00	0.274 B J
	8/12/2021	2.58	<1.00	<1.00	<5.00	<5.00	<2.50 J4	<1.00	<1.00	3.32	<1.00	<5.00	0.916 J
	11/16/2021	1.98	<1.00	<1.00	<5.00	<5.00	<2.50	0.357 J	<1.00	6.05	<1.00	<5.00	1.35
	2/2/2022	1.21	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	2.95	<1.00	<5.00	0.658 J
	5/5/2022	0.804 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	3.77	<1.00	<5.00	0.826 J
	8/25/2022	1.76	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	1.81	<1.00	<5.00	0.537 J
	11/29/2022	0.850 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	3.75 C5	<1.00	<5.00	0.936 J
MW-23-D1R	10/26/2016	0.53 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.40 J	< 2.0	< 2.0	< 2.0
	10/26/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.7	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.73 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.72 J	< 1.0	0.41 J	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.35 J	< 1.0 *	< 1.0	< 1.0	< 1.0 *	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.382 J	<1.00	<1.00	<1.00	<5.00	<1.00
	8/19/2020	0.671 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.517 J	<1.00	0.267 J	<1.00	<5.00	<1.00
	11/5/2020	0.400 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.267 J	<1.00	0.259 J	<1.00	<5.00	<1.00
	3/19/2021	0.142 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.196 J	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.245 J	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	8/12/2021	8.06	<1.00	<1.00	<5.00	<5.00	<2.50	0.388 J	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	1.06	<1.00	<1.00	<5.00	<5.00	<2.50	0.529 J	<1.00	<1.00	<1.00	<5.00	<1.00
	2/2/2022	0.202 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.388 J	<1.00	<1.00	<1.00	<5.00	<1.00
	5/5/2022	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	0.215 C3 J	<1.00	<1.00	<1.00	<5.00	<1.00
	8/25/2022	0.296 J	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.582 J	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.137 J	<1.00	<1.00	<1.00	<5.00	<1.00
MW-23-D2R	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	0.44 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0

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



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
NYSDEC TOGS 1.1.1		60	5	5	5	7	5	5	0.4	NE	50	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/19/2020	0.253 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/5/2020	0.447 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	3/18/2021	0.119 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	8/12/2021	4.96	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/25/2022	0.342 J	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
MW-24-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	1.6 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	4.9	< 4.0	1.9 J	< 4.0	< 4.0	3.1 J
	10/26/2016	1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4	< 1.0	1.6	< 1.0	< 1.0	2.3
	10/26/2016	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.1	< 1.0	1.4	< 1.0	< 1.0	2.2
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	2.1 J	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	7.1 J
	10/16/2018	1.4 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	6.1
	5/9/2019	0.62 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0
	9/13/2019	3.2 [1.8]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	1.1	< 1.0 [<1.0]	< 1.0 [<1.0]	7.9 [7.2]
	12/5/2019	1.0 [1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [0.99 J]	< 1.0 [<1.0]	< 1.0 [<1.0]	2.4 [7.2]
	2/11/2020	1.5 [1.4]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 * [<1.0]	0.65 J [1.]	< 1.0 * [<1.0]	< 1.0 [<1.0]	5.7 [8.9]
	6/9/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<25.0 [<25.0]	<12.5 [<12.5]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	8.28 [8.90]
	8/19/2020	8.28 [3.68 J]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<25.0 [<25.0]	<12.5 [<12.5]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	6.80 [6.57]
	11/5/2020	2.27 J [2.18 J]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<25.0 [<25.0]	<12.5 [<12.5]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	7.18 [5.76]
	3/19/2021	0.811 J [<5.00]	<1.00 [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	<5.00 [<25.0]	<2.50 [<12.5 C3]	0.131 J [<5.00]	<1.00 [<5.00]	0.766 J [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	8.35 [9.32]
	6/1/2021	<1.00 [0.994 J]	<1.00 [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	<5.00 [<25.0]	<2.50 C3 [<12.5 C3]	0.133 J [<5.00]	<1.00 [<5.00]	0.814 J J4 [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]	7.61 [6.22]
	11/16/2021	2.66 [1.36]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<5.00 [<5.00]	<2.50 [<2.50]	<1.00 [<1.00]	<1.00 [<1.00 J4]	0.881 J [0.353 J]	<1.00 [<1.00]	<5.00 [<5.00]	5.98 [6.64]
	2/2/2022	1.39 [1.29]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<5.00 [<5.00]	<2.50 [<2.50]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	4.91 [5.75]
	5/4/2022	<1.00 C3 [3.73]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<5.00 [<5.00]	<2.50 [<2.50]	<1.00 [<1.00]	<1.00 [<1.00]	0.394 J [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	7.81 [8.33]
	8/24/2022	2.59 [2.64]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<5.00 [<5.00]	<2.50 [<2.50]	<1.00 [0.192 J]	<1.00 [<1.00]	0.736 J [0.785 J]	<1.00 [<1.00]	<5.00 [<5.00]	7.55 [7.22]
	11/29/2022	0.873 J [0.862 J]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<5.00 [<5.00]	<2.50 [<2.50]	0.234 J [0.211 J]	<1.00 [<1.00]	0.529 J [0.497 J]	<1.00 [<1.00]	<5.00 [<5.00]	5.30 [4.90]
MW-24-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	0.31 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	0.84 J
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	7/5/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	0.24 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0

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Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
NYSDEC TOGS 1.1.1		60	5	5	5	7	5	5	0.4	NE	50	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-24-D2 (cont.)	6/9/2020	0.167 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	0.467 J	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/18/2020	0.266 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.364 J	<1.00	<1.00	<1.00	<5.00	<1.00
	11/5/2020	0.931 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.809 J	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	0.376 J	<1.00	<1.00	<5.00	0.197 J	<2.50	0.652 J	<1.00	<1.00	<1.00	<5.00	<1.00
	6/1/2021	<1.00	<1.00	<1.00	<5.00	0.122 J	<2.50 C3	0.514 J	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	11/16/2021	1.19	<1.00	<1.00	<5.00	<5.00	<2.50	0.555 J	<1.00	<1.00	<1.00	<5.00	<1.00
	2/2/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.358 J	<1.00	<1.00	<1.00	<5.00	<1.00
	5/4/2022	0.415 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.464 J	<1.00	<1.00	<1.00	<5.00	<1.00
	8/24/2022	0.166 J	<1.00 J4	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	0.796 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.162 J J4	<1.00	<1.00	<1.00	<5.00	<1.00
MW-24-VDR	7/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	0.64 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	5/9/2019	0.30 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	0.347 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	0.206 J	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/18/2020	0.394 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.140 J	<1.00	<1.00	<1.00	<5.00	<1.00
	11/5/2020	0.423 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.218 J	<1.00	<1.00	<1.00	<5.00	<1.00
	3/19/2021	0.150 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/1/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.141 J	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	11/16/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	MW-26-D1	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
6/22/2016		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
10/25/2016		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
10/25/2016		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	3.0 J
7/5/2017		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
8/27/2017		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
10/11/2017		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
7/13/2018		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.5
10/17/2018		0.45 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.42 J	< 1.0	< 5.0	< 1.0	< 1.0	0.95 J
9/13/2019		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0	< 1.0	1.8
12/6/2019		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.75 J	< 1.0	< 1.0	< 1.0	< 1.0	1.2
2/11/2020		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0 *	< 1.0	< 1.0 *	< 1.0	1.3
6/10/2020		0.773 J	<1.00	<1.00	<5.00	<5.00	<2.50	3.28	<1.00	<1.00	<1.00	<5.00	2.47
8/19/2020		0.360 J	<1.00	<1.00	<5.00	<5.00	<2.50	1.45	<1.00	<1.00	<1.00	<5.00	1.38
11/6/2020		0.582 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.903 J	<1.00	0.189 J	<1.00	<5.00	1.05
6/2/2021		<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.486 J	<1.00	0.191 J J4	<1.00	<5.00	1.99
8/12/2021		0.556 J	<1.00	<1.00	<5.00	<5.00	<2.50 J4	0.236 J	<1.00	0.276 J	<1.00	<5.00	0.973 J
11/16/2021		1.38	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	0.947 J
2/2/2022		0.625 J	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	<1.00	<1.00	<5.00	0.657 J
5/5/2022		<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	0.211 J	<1.00	<5.00	2.39
8/25/2022	1.09	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	0.506 J	<1.00	<5.00	2.74	
11/29/2022	0.796 C3 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.162 J J4	<1.00	<1.00	<1.00	<5.00	<1.00	

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Location ID	Date Sampled	Volatile Organics											
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NYSDEC TOGS 1.1.1		60	5	5	5	7	5	5	0.4	NE	50	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-26-D2	1/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/22/2016	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.86 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/25/2016	0.60 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/25/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/5/2017	0.37 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	0.39 J
	5/9/2019	0.25 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	0.44 J
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.37 J	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.254 J	<1.00	<1.00	<1.00	<5.00	<1.00
	8/19/2020	0.204 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.398 J	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	0.770 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
MW-26-VD	1/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	0.19 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-27-D1R	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	0.66 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	0.64 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	5/10/2019	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.57 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.80 J	< 1.0	< 1.0	< 1.0	< 1.0	0.40 J
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.95 J	< 1.0	< 1.0	< 1.0	< 1.0	0.48 J
	8/19/2020	0.852 J	<5.00	<5.00	<25.0	<25.0	<12.5	0.855 J	<5.00	<5.00	<5.00	<25.0	<5.00
	11/6/2020	1.74 J	<5.00	<5.00	<25.0	<25.0	<12.5	1.13 J	<5.00	<5.00	<5.00	<25.0	<5.00
	3/20/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.751 J	<1.00	<1.00	<1.00	<5.00	0.263 J
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	0.790 J	<1.00	<1.00 J4	<1.00	<5.00	0.387 B J
	8/12/2021	10.7	<1.00	<1.00	<5.00	<5.00	<2.50	0.635 J	<1.00	<1.00	<1.00	<5.00	0.322 BJ
	11/17/2021	1.34	<1.00	<1.00	<5.00	<5.00	<2.50	1.10	<1.00	0.673 J	<1.00	<5.00	0.722 J
2/2/2022	1.27	<1.00	<1.00	<5.00	<5.00	<2.50 J3	0.712 J	<1.00	<1.00	<1.00	<5.00	0.165 J	
5/5/2022	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	0.724 C3 J	<1.00	<1.00	<1.00	<5.00	0.394 J	
11/29/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	
MW-27-D2	1/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	22 J	< 4.0	< 4.0	92
	7/5/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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



Location ID	Date Sampled	Volatile Organics												
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	
NYSDEC TOGS 1.1.1		60	5	5	5	7	5	5	0.4	NE	50	5	5	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
MW-27-D2 (cont.)	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	
	6/10/2020	0.133 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	
	8/19/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	
	11/6/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	
	3/20/2021	0.155 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	0.193 B J	
	8/12/2021	0.421 B J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	
	11/17/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	
	2/2/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	
	5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	
8/25/2022	0.143 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00		
11/29/2022	0.263 J	<1.00	<1.00	<5.00	<5.00	<2.50	0.617 J	<1.00	<1.00	<1.00	<5.00	0.321 J		
MW-28-D1	6/24/2016	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	7/28/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
	7/5/2017	0.40 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	
	8/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
	10/11/2017	4.9	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
	10/17/2018	0.47 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	1.4	
	5/9/2019	0.34 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	0.49 J	
	9/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.7	
	12/5/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	
	2/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	2.1	
	6/9/2020	<1.00	<1.00	<1.00 J4	<5.00	<5.00	<2.50	0.164 J	<1.00	<1.00	<1.00	<5.00	2.5	
	8/19/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	0.750 J	
	11/6/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	0.305 J	<1.00	0.296 J	<1.00	<5.00	3.68	
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	1.74	
	8/12/2021	6.60	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	1.48 B	
	11/16/2021	1.38	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	1.53	
	2/2/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	
	5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	1.47	
	8/25/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	
	11/29/2022	0.307 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	
	MW-28-D2R	6/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
		7/28/2016	0.52 J	< 1.0	< 1.0	< 1.0	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	3.2	< 1.0	< 1.0
7/5/2017		0.38 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
8/27/2017		< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
10/11/2017		0.95 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
7/13/2018		1.0 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
10/17/2018		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	
5/9/2019		0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	
9/13/2019		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
12/6/2019		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
2/11/2020		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	
6/9/2020		0.781 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	
8/19/2020		0.404 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	
11/6/2020		0.424 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	

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



Location ID	Date Sampled	Volatile Organics											
		Carbon disulfide	Carbon Tetrachloride	Chloro-benzene	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene
NYSDEC TOGS 1.1.1		60	5	5	5	7	5	5	0.4	NE	50	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D2R (cont.)	3/20/2021	0.102 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	8/12/2021	1.48 B	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/16/2021	1.57	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	2/2/2022	1.12	<1.00	<1.00	<5.00	<5.00	<2.50 J3	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	5/5/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	8/25/2022	0.323 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/29/2022	0.106 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
MW-29-D1	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	13	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	8	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	21	< 1.0	< 1.0	< 1.0
	10/26/2016	0.21 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	11	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	7.6	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	12	< 2.0	< 2.0	< 2.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	5.4	< 4.0	< 4.0	< 4.0
	7/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	24	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	20	< 1.0	< 1.0	0.31 J
	5/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	24	< 1.0	< 1.0*	0.34 J
	9/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.8	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.47 J	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0 *	< 1.0	< 1.0
	6/10/2020	0.307 J	<1.00	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4
	8/19/2020	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
	11/6/2020	0.364 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	0.536 J	<1.00	<5.00	<1.00
	3/20/2021	0.130 J	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	0.452 J	<1.00	<5.00	<1.00
	6/2/2021	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50 C3	<1.00	<1.00	<1.00 J4	<1.00	<5.00	<1.00
	8/12/2021	0.412 J	<1.00	<1.00	<5.00	<5.00	<2.50 J4	<1.00	<1.00	0.556 J	<1.00	<5.00	<1.00
	5/5/2022	<1.00 C3	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00 C3	<1.00	0.428 J	<1.00	<5.00	<1.00
	11/29/2022	<1.00	<1.00	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00
MW-29-D2	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/21/2016	0.62 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-29-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D1	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.39 J	< 1.0	< 1.0	< 1.0
	6/22/2016	0.19 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0
MW-30-D2	1/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/14/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-VD	1/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	0.32 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D2R	1/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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



Location ID	Date Sampled	Volatile Organics											
		Isopropylbenzene	Methyl acetate	Methyl-t-butyl ether	Methylcyclohexane	Methylene chloride (Dichloromethane)	Styrene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (Trichloroethylene)	Trichlorofluoromethane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-12	1/14/2016	24	< 13	32.0	5.4	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
AMW-13-D1	6/24/2016	< 1.0	< 2.5	10	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	63 F1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-D2	6/23/2016	< 1.0	< 2.5	3.5	< 1.0	< 1.0	< 1.0	0.57 J	1.3	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	41	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-VD	6/23/2016	< 1.0	< 2.5	5	< 1.0	< 1.0	< 1.0	1.5	1.6	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	3.4	< 1.0	< 1.0	< 1.0	1	1.3	< 1.0	< 1.0	< 1.0	< 1.0
AMW-14-D1	6/24/2016	< 1.0	< 2.5	12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/26/2016	< 1.0	< 2.5	140 E	0.97 J	< 1.0	< 1.0	< 1.0	7.1	7.8	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 10	170	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 10	170	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 5.0	170	2.4	0.95 J	< 2.0	< 2.0	1.0 J	13	< 2.0	< 2.0	< 2.0
	7/12/2018	< 8.0	< 20	160	1.7 J	< 8.0	< 8.0	< 8.0	< 8.0	8.6	< 8.0	< 8.0	< 8.0
	10/17/2018	< 1.0	< 10	120	0.40 J	< 5.0	< 1.0	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	1.0	< 5.0	250	3.0	< 1.0	< 1.0	< 1.0	0.84 J	11	< 1.0	< 1.0	< 1.0*
	9/13/2019	< 1.0	< 5.0	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.5	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	94	0.74 J	< 1.0	< 1.0	< 1.0	< 1.0	9.0	< 1.0	0.44 J	< 1.0
	2/12/2020	0.44 J	< 5.0	130	1.2	< 1.0	< 1.0	< 1.0	0.58 J	12.0	< 1.0	0.46 J	< 1.0
	6/10/2020	0.172 J	< 20.0	37.6	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	3.79	< 1.00	0.218 J	< 5.00
	8/19/2020	1.08	< 20.0	181	3.18	< 5.00	< 1.00	< 1.00	0.465 J	10.8	< 1.00	< 1.00	< 5.00
	11/4/2020	1.18	< 20.0	190	3.97	< 5.00	< 1.00	< 1.00	0.552 J	12.1	< 1.00	0.290 J	< 5.00
	3/19/2021	0.698 J	< 20.0	53.9	1.86	< 5.00	< 1.00	< 1.00	0.439 J	14.3	< 1.00	0.342 J	< 5.00
	6/2/2021	1.26	< 20.0 C3	164	5.18	< 5.00	< 1.00	< 1.00	0.413 J	16.2	< 1.00	0.335 J	< 5.00
	8/12/2021	0.901 J	< 20.0	140	3.53	< 5.00	< 1.00	< 1.00	0.455 J	22.2	< 1.00	< 1.00	< 5.00
	11/16/2021	0.516 J	< 20.0	55.8	< 1.00	< 5.00	< 1.00	< 1.00	0.313 J	14.6	< 1.00	0.369 J	< 5.00
	2/2/2022	0.893 J	< 20.0	127	3.71	< 5.00	< 1.00	< 1.00	0.320 J	11.9	< 1.00	< 1.00	< 5.00
	5/5/2022	0.782 J	< 20.0	124	2.09	< 5.00	< 1.00	< 1.00 C3	0.419 J	15.9	< 1.00	0.300 J	< 5.00
	8/24/2022	0.700 J	< 20.0	102	1.91	< 5.00	< 1.00 C3 J4	< 1.00	0.302 J	14.5	< 1.00 J4	< 1.00	< 5.00
	11/29/2022	1.16	< 20.0	123	4.24	< 5.00	< 1.00	< 1.00	0.339 J	20.6	< 1.00	< 1.00	< 5.00
AMW-14-D2	6/23/2016	< 1.0	< 2.5	3.1	< 1.0	< 1.0	< 1.0	< 1.0	0.81 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/26/2016	< 1.0	< 2.5	24	< 1.0	< 1.0	< 1.0	< 1.0	0.64 J	0.90 J	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	0.58 J	< 1.0	< 1.0	< 1.0	0.38 J	7.7	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 2.5	14	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 2.5	48	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 2.0	< 5.0	62	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 10	44	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 5.0	33	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.85 J	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	37	< 1.0	0.59 J	< 1.0	< 1.0	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 5.0	36	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.51 J	< 1.0	< 1.0	< 1.0
	6/10/2020	< 10.0	< 200	33.2	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 50.0
	8/19/2020	< 10.0	< 200	32.0	< 10.0	< 50.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 50.0
	11/5/2020	< 1.00	< 20.0	31.1	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00
	3/19/2021	< 1.00	< 20.0	20.8	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00
	6/2/2021	< 1.00	< 20.0 C3	20.7	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	0.977 J	< 1.00	< 1.00	< 5.00

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



Location ID	Date Sampled	Volatile Organics											
		Isopropyl- benzene	Methyl acetate	Methyl-t- butyl ether	Methyl- cyclohexane	Methylene chloride (Dichloro- methane)	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	Trichloro- ethene (Trichloro- ethylene)	Trichloro- fluoro- methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-14-D2 (cont.)	8/12/2021	<1.00	<20.0	26.3	<1.00	<5.00	<1.00	<1.00	<1.00	0.198 J	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<20.0	23.6	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<20.0	29.1	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<20.0	23.2	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3J4
	8/24/2022	<1.00	<20.0	14.6	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	0.835 J	<1.00 J4	<1.00	<5.00
	11/29/2022	<1.00	<20.0	1.29	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
AMW-14-VD	6/23/2016	< 1.0	< 2.5	0.91 J	0.36 J	< 1.0	< 1.0	0.59 J	10	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	0.59 J	< 1.0	< 1.0	< 1.0	0.41 J	8.2	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 2.5	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 2.5	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 2.5	0.65 J	0.58 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	< 1.0	< 2.5	0.49 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 10	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/13/2019	<1.0	<5.0	0.54 J	<1.0	0.36 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/5/2019	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/12/2020	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/10/2020	<1.00 J4	<20.0	0.317 J	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00
	8/20/2020	<1.00	<20.0	0.303 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<20.0	0.434 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	3/19/2021	<1.00	<20.0	0.270 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<20.0 C3	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<20.0	0.272 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<20.0	0.267 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<20.0	0.263 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<20.0	0.217 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3J4
	8/24/2022	<1.00	<20.0	0.184 J	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<5.00
	11/29/2022	<1.00	<20.0	0.198 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	AMW-15-D1	6/23/2016	< 1.0	< 2.5	29	< 1.0	9.9	< 1.0	0.43 J	3	< 1.0	< 1.0	5.5
7/27/2016		< 5.0	< 13	51	< 5.0	140	< 5.0	< 5.0	7.5	< 5.0	< 5.0	73	< 5.0
10/26/2016		< 10	< 25	110	3.3 J	8.9 J	< 10	< 10	18	< 10	< 10	48	< 10
10/26/2016		< 4.0	< 10	180	0.87 J	4.1	< 4.0	< 4.0	6.6	< 4.0	< 4.0	18	< 4.0
7/5/2017		< 4.0	< 10	170	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
8/27/2017		< 4.0	< 10	200	< 4.0	2.2 J	< 4.0	< 4.0	17	28	< 4.0	< 4.0	< 4.0
10/11/2017		< 2.0	< 5.0	300 E	< 2.0	< 2.0	< 2.0	< 2.0	5.9	13	< 2.0	< 2.0	< 2.0
10/17/2018		< 5.0	< 50	170	1.2 J	< 25	< 5.0	< 5.0	1.5 J	21	< 5.0	< 5.0	< 5.0
5/9/2019		< 1.0	< 5.0	120	0.50 J	< 1.0	< 1.0	< 1.0	< 1.0	7.4	< 1.0	< 1.0	< 1.0*
9/13/2019		< 1.0	< 5.0	100	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	6.7	< 1.0	< 1.0	< 1.0
12/5/2019		< 1.0	< 5.0	120	< 1.0	0.41 J	< 1.0	< 1.0	0.43 J	7.1	< 1.0	< 1.0	< 1.0
2/11/2020		< 1.0	< 5.0	37	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.5	< 1.0	< 1.0	< 1.0
6/10/2020		0.535 J	<100	171	<5.00	<25.0	<5.00	<5.00	<5.00	5.47	<5.00	<5.00	<25.0
8/19/2020		<5.00	<100	94.3	<5.00	<25.0	<5.00	<5.00	<5.00	4.20 J	<5.00	<5.00	<25.0
11/4/2020		0.216 J	<20.0	76.7	<1.00	<5.00	<1.00	<1.00	<1.00	2.53	<1.00	<1.00	<5.00
3/19/2021		<5.00	<100	127	<5.00	<25.0	<5.00	<5.00	<5.00	5.63	<5.00	<5.00	<25.0
6/2/2021		0.160 J	<20.0	40.2	<1.00	<5.00	<1.00	<1.00	<1.00	1.46	<1.00	<1.00	<5.00
11/16/2021		0.709 J	<20.0	149	<1.00	<5.00	<1.00	<1.00	0.392 J	5.81	<1.00	0.265 J	<5.00

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



Location ID	Date Sampled	Volatile Organics												
		Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoro-methane (Freon 11)	
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	5	5	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
AMW-15-D1 (cont.)	2/1/2022	0.614 J	<20.0	116	1.02	<5.00	<1.00	<1.00	0.305 J	3.11	<1.00	<1.00	<5.00	
	5/5/2022	0.206 J	<20.0	51.2	<1.00	<5.00	<1.00	<1.00 C3	<1.00	0.796 J	<1.00	<1.00	<5.00	
	8/24/2022	0.269 J	<20.0	69.7	<1.00	<5.00	<1.00 C3 J4		<1.00	<1.00	1.16	<1.00 J4	<1.00	<5.00
	11/28/2022	0.465 J	<20.0	97.3	1.06 C5	<5.00	<1.00	<1.00	<1.00	1.94	<1.00	0.265 J	<5.00	
AMW-15-D2	6/23/2016	< 1.0	< 2.5	68	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	6/23/2016	< 1.0	< 2.5	66	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	7/27/2016	< 1.0	< 2.5	43	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	10/26/2016	< 1.0	< 2.5	42	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	10/26/2016	< 1.0	< 2.5	110 E	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	7/5/2017	< 4.0	< 10	120	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
	8/27/2017	< 4.0	< 10	350	< 4.0	< 4.0	< 4.0	< 4.0	7.8	5.5	< 4.0	< 4.0	< 4.0	
	10/11/2017	< 4.0	< 10	160	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
	10/17/2018	< 1.0	< 10	120	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	5/10/2019	< 1.0	< 5.0	61	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	9/13/2019	< 1.0	< 5.0	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	12/5/2019	< 1.0	< 5.0	96	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	2/11/2020	< 1.0	< 5.0	91	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	6/9/2020	<1.00	<20.0	126	<1.00	<5.00	<1.00	<1.00	<1.00	0.209 J	<1.00	<1.00	<5.00	
	8/19/2020	<1.00	<20.0	11.0	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	
	11/4/2020	<1.00	<20.0	57.1	<1.00	<5.00	<1.00	<1.00	<1.00	0.430 J	<1.00	<1.00	<5.00	
	3/19/2021	<1.00	<20.0	74.6	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	
	6/2/2021	<1.00	<20.0 C3	57.3	<1.00	<5.00	<1.00	<1.00	<1.00	0.682 J	<1.00	<1.00	<5.00	
	8/12/2021	<1.00	<20.0	3.23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	
	11/16/2021	<1.00	<20.0	62.0	<1.00	<5.00	<1.00	<1.00	<1.00	0.367 J	<1.00	<1.00	<5.00	
	2/1/2022	<1.00	<20.0	32.6	<1.00	<5.00	<1.00	<1.00	<1.00	0.189 J	<1.00	<1.00	<5.00	
	5/4/2022	<1.00	<20.0	28.9	<1.00	<5.00	<1.00	<1.00 C3	<1.00	0.284 J	<1.00	<1.00	<5.00	
	8/24/2022	<1.00	<20.0	21.5	<1.00	<5.00	<1.00	<1.00	<1.00	0.276 J	<1.00	<1.00 J4	<5.00	
	11/29/2022	<1.00	<20.0	49.3 C5 J4	<1.00	<5.00	<1.00	<1.00	<1.00	0.256 J	<1.00	<1.00	<5.00	
AMW-15-D3	6/23/2016	< 1.0	< 2.5	2.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	6/23/2016	< 1.0	< 2.5	2.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	7/27/2016	< 1.0	< 2.5	23	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	8/27/2017	< 4.0	< 10	64	< 4.0	2.4 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	140	< 4.0	
	10/11/2017	< 2.0	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
	7/13/2018	< 2.0	< 5.0	22	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	20	< 2.0	
	10/17/2018	< 1.0	< 10	10	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.5	< 1.0	
	5/10/2019	< 1.0	< 5.0	16	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.39 J	< 1.0	
	9/13/2019	< 1.0	< 5.0	14	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.54 J	< 1.0	
	12/5/2019	< 1.0	< 5.0	7.7	< 1.0	0.32 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	2/11/2020	< 1.0	< 5.0	51	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.3	< 1.0	
	6/9/2020	<1.00 J4	<20.0	10.1	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00	<5.00	
	8/19/2020	<1.00	<20.0	72.8	<1.00	<5.00	<1.00	<1.00	<1.00	0.226 J	<1.00	8.84	<5.00	
	11/4/2020	<1.00	<20.0	80.6	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	4.31	<5.00	
	3/19/2021	0.672 J	<20.0	63.6	<1.00	<5.00	0.147 J	<1.00	2.41	0.435 J	<1.00	51.1	<5.00	
	6/1/2021	0.155 J	<20.0 C3	69.7	<1.00	<5.00	<1.00	<1.00	0.448 J	0.213 J	<1.00	15.3	<5.00	
	8/12/2021	0.564 J	<20.0	68.5	<1.00	<5.00	<1.00	<1.00	2.49	0.533 J	<1.00	56.8	<5.00	
	11/16/2021	0.435 J	<20.0	61.7	<1.00	<5.00	<1.00	<1.00	1.99	0.499 J	<1.00	45.7	<5.00	

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



Location ID	Date Sampled	Volatile Organics											
		Isopropyl-benzene	Methyl acetate	Methyl-t-butyl ether	Methyl-cyclohexane	Methylene chloride (Dichloro-methane)	Styrene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	trans-1,3-Dichloro-propene	Trichloro-ethene (Trichloro-ethylene)	Trichloro-fluoro-methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3 (cont.)	2/1/2022	0.332 J	<20.0	68.8	0.905 J	<5.00	<1.00	<1.00	1.38	0.366 J	<1.00	29.9	<5.00
	5/5/2022	0.282 J	<20.0	51.2	<1.00	<5.00	<1.00	<1.00 C3	1.34	0.476 J	<1.00	27.9	<5.00
	11/28/2022	<1.00	<20.0	0.432 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	0.443 J	<5.00
AMW-15-VD	6/23/2016	< 1.0	< 2.5	1.1	< 1.0	< 1.0	< 1.0	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0	< 1.0
	7/27/2016	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	15	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 2.5	1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 2.5	0.94 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 1.0	< 2.5	0.44 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 10	1.3	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 5.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00 J4	<20.0	0.856 J	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00
	8/19/2020	<1.00	<20.0	0.684 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/4/2020	<1.00	<20.0	0.581 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	3/19/2021	<1.00	<20.0	0.437 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<20.0 C3	0.376 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<20.0	0.562 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	2/1/2022	<1.00	<20.0	0.380 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3 J4
	8/24/2022	<1.00	<20.0	0.356 J	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<5.00
	11/28/2022	<1.00	<20.0	0.375 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
AMW-3	1/13/2016	65	< 13	< 5.0	27	15	< 5.0	< 5.0	6.9	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 2.5	0.40 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-7R	1/12/2016	< 5.0	< 13	1.4 J	1.5 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	2.8	< 2.5	0.23 J	9.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2018	7.1	< 5.0	< 2.0	29	1.1 J	< 2.0	< 2.0	1.0 J	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	4.9	< 10	< 1.0	50	< 5.0	< 1.0	< 1.0	0.60 J	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	4.2	< 5.0	< 1.0	31	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	4.4	< 5.0	< 1.0	29	0.53 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	1.9	< 5.0	< 1.0	7.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	3.9	< 5.0	< 1.0	24	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	4	< 20.0	< 1.00	14.9	< 5.00	< 1.00	< 1.00 J4	< 1.00	< 1.00	< 1.00	< 1.00 J4	< 5.00
	8/19/2020	3.11	< 20.0	< 1.00	25.1	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00
	11/6/2020	3.27	< 20.0	< 1.00	18.9	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00
	3/19/2021	0.968 J	< 20.0	< 1.00	7.03	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00
	6/2/2021	2.37	< 20.0 C3	< 1.00	12.6	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00
	8/12/2021	1.31	< 20.0	< 1.00	6.97	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00
	11/16/2021	1.62	< 20.0	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00
5/5/2022	0.786 J	< 20.0	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00 C3J4	
11/29/2022	1.76	< 20.0	< 1.00	5.63	< 5.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	
ASB-2	6/6/2016	< 1.0	< 2.5	55	< 1.0	< 1.0	< 1.0	1.4	0.87 J	< 1.0	< 1.0	4.4	< 1.0
ASB-3	6/8/2016	< 1.0	< 2.5	8.5	< 1.0	0.60 J	< 1.0	1.3	< 1.0	< 1.0	< 1.0	1.2	< 1.0
ASB-4	6/7/2016	< 5.0	< 13	13	4.5 J	330	< 5.0	6.7	9	13	< 5.0	1500 E	< 5.0

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Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics											
		Isopropylbenzene	Methyl acetate	Methyl-t-butyl ether	Methylcyclohexane	Methylene chloride (Dichloromethane)	Styrene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (Trichloroethylene)	Trichlorofluoromethane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ASB-5	6/2/2016	< 1.0	< 2.5	4.6	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0	4.8	< 1.0
ASB-7	6/2/2016	< 2.0	< 5.0	5.5	< 2.0	< 2.0	< 2.0	1.2 J	< 2.0	< 2.0	< 2.0	1.7 J	< 2.0
MW-18R	6/22/2016	14	< 25	65	4.4 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	7/11/2018	< 20	< 50	11 J	5.1 J	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
	10/17/2018	6.8	< 50	28	6.2 J	< 25	< 5.0	< 5.0	4.1 J	< 5.0	< 5.0	< 5.0	< 5.0
	9/14/2019	7.4	< 5.0	40	5.6	0.68 J	< 1.0	< 1.0	4.9	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	4.8	< 5.0	14	3.3	0.62 J	< 1.0	< 1.0	4.8	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	0.35 J	< 5.0	< 1.0	0.56 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	4.03 J	<100	3.42 J	<5.00	<25.0	<5.00	<5.00 J4	3.31 J	<5.00	<5.00	<5.00 J4	<25.0
	3/19/2021	3.93	1.31 J	0.765 J	5.86	<5.00	<1.00	<1.00	2.36	<1.00	<1.00	<1.00	<5.00
	6/2/2021	1.11	<20.0 C3	1.06	1.01	<5.00	<1.00	<1.00	0.979 J	<1.00	<1.00	<1.00	<5.00
	8/12/2021	3.61	<20.0	8.58	3.73	<5.00	<1.00	<1.00	3.92	<1.00	<1.00	<1.00	<5.00
	11/16/2021	5.95	<20.0	26.5	5.60	<5.00	<1.00	<1.00	3.83	<1.00	<1.00	<1.00	<5.00
	2/2/2022	3.09	<20.0	0.870 J	2.86	<5.00	<1.00	<1.00	1.87	<1.00	<1.00	<1.00	<5.00
	5/5/2022	3.60	<20.0	0.295 J	4.84	<5.00	<1.00	<1.00	3.06	<1.00	<1.00	<1.00	<5.00 C3J4
	8/25/2022	2.08	<20.0	86.8	1.61	<5.00	<1.00 C3 J4	<1.00	1.40	<1.00	<1.00 J4	<1.00	<5.00
	11/29/2022	3.72	<20.0	8.16	3.20	<5.00	<1.00	<1.00	3.21	<1.00	<1.00	<1.00	<5.00
MW-23-D1R	10/26/2016	< 2.0	< 5.0	140	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/26/2016	< 5.0	< 13	180	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/12/2016	< 5.0	< 13	210	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 2.5	30	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 4.0	< 10	140	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	8/27/2017	< 4.0	< 10	130	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 4.0	< 10	150	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 4.0	< 10	91	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	0.56 J	< 10	94	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	0.35 J	< 5.0	92	< 1.0	0.53 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	0.44 J	< 5.0	83	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	0.439 J	<20.0	106	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	8/19/2020	0.414 J	<20.0	85.5	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/5/2020	0.314 J	<20.0	98.5	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	3/19/2021	0.163 J	<20.0	38.7	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	6/2/2021	0.141 J	<20.0 C3	39.0	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	8/12/2021	0.312 J	<20.0	106	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/16/2021	0.368 J	<20.0	95.3	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	2/2/2022	0.179 J	<20.0	48.2	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	5/5/2022	0.170 J	<20.0	64.9	<1.00	<5.00	<1.00	<1.00 C3	<1.00	<1.00	<1.00	<1.00	<5.00
	8/25/2022	0.307 J	<20.0	66.0	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00
	11/29/2022	<1.00	<20.0	3.67	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
MW-23-D2R	1/12/2016	< 5.0	< 13	130	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/20/2016	< 1.0	< 2.5	26	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 2.5	8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 10	72	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 1.0	< 2.5	150 E	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/12/2018	<1.0	<5.0	8.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2019	< 1.0	< 5.0	8.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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



Location ID	Date Sampled	Volatile Organics											
		Isopropyl- benzene	Methyl acetate	Methyl-t- butyl ether	Methyl- cyclohexane	Methylene chloride (Dichloro- methane)	Styrene	Tetrachloro- ethene	Toluene	trans-1,2- Dichloro- ethene	trans-1,3- Dichloro- propene	Trichloro- ethene (Trichloro- ethylene)	Trichloro- fluoro- methane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-23-D2R (cont.)	9/13/2019	< 1.0	< 5.0	63	< 1.0	0.47 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	14	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/19/2020	<1.00	<20.0	42.2	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<20.0	71.1	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	3/18/2021	<1.00	<20.0	57.0	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<20.0 C3	32.8	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<20.0	19.6	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<20.0	18.2	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<20.0	40.3	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<20.0	23.5	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3J4
	8/25/2022	<1.00	<20.0	20.1	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00
11/29/2022	<1.00	<20.0	21.7	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	
MW-24-D1R	1/13/2016	< 5.0	< 13	220	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 4.0	< 10	160	1.3 J	< 4.0	< 4.0	< 4.0	< 4.0	11	< 4.0	< 4.0	< 4.0
	10/26/2016	< 1.0	< 2.5	140 E	0.64 J	< 1.0	< 1.0	< 1.0	0.68 J	6.5	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 2.5	120 E	0.66 J	< 1.0	< 1.0	< 1.0	0.64 J	6.8	< 1.0	< 1.0	< 1.0
	10/26/2016	< 4.0	< 10	81	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/12/2018	< 8.0	< 20	290	< 8.0	< 8.0	< 8.0	< 8.0	23	22	< 8.0	< 8.0	< 8.0
	10/16/2018	< 5.0	< 50	270	< 25	< 25	< 5.0	< 5.0	17	12	< 5.0	< 5.0	< 5.0
	5/9/2019	< 1.0	< 5.0	65	< 1.0	< 1.0	< 1.0	< 1.0	1.5	2.0	< 1.0	< 1.0	< 1.0
	9/13/2019	0.97 J [0.86 J]	<5.0 [<5.0]	210 [200]	0.63 J [0.57 J]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	7.2 [6.4]	16	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	12/5/2019	1.0	<5.0 [<5.0]	180 [210]	1.0	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	1.4 [2.3]	7.0 [16]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	2/11/2020	0.61 J [1.0]	<5.0 [<5.0]	210 [220]	< 1.0 [0.57 J]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	0.9 J [2.5]	9.5 [14]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	6/9/2020	0.954 J [1.08 J]	<100 [<100]	195 [255]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	1.62 J [<5.00]	12.2 [13.8]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]
	8/19/2020	0.712 J [0.681 J]	<100 [<100]	220 [206]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	12.9 [13.2]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]
	11/5/2020	0.771 J [0.560 J]	<100 [<100]	207 [180]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	12.8 [9.50]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]
	3/19/2021	1.04 [0.940 J]	<20.0 [<100]	201 [213]	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]	<1.00 [<5.00]	1.42 [<5.00]	12.6 [11.4]	<1.00 [<5.00]	<1.00 [<5.00]	<5.00 [<25.0]
	6/1/2021	0.925 J [0.888 J]	<20.0 C3 [<100 C3]	195 [174]	<1.00 [<5.00]	<5.00 [<25.0]	<1.00 [<5.00]	<1.00 [<5.00]	0.944 J [<5.00]	12.9 [10.5]	<1.00 [<5.00]	0.214 J [<5.00]	<5.00 [<25.0 C3]
	11/16/2021	0.729 J [0.703 J]	<20.0 [<20.0]	199 [185]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.583 J [0.620 J]	10.9 [9.11]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]
	2/2/2022	0.534 J [0.604 J]	<20.0 [<20.0]	170 [182]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.598 J [0.677 J]	8.30 [8.83]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]
	5/4/2022	0.851 J [0.815 J]	<20.0 [<20.0]	180 [196]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	1.5 [1.63]	12 [11.9]	<1.00 [<1.00]	0.271 J [0.281 J]	<5.00 [<5.00 C3 J4]
	8/24/2022	0.866 J [0.795 J]	<20.0 [<20.0]	186 [182]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 C3 J4 [<1.00 C3 J4]	<1.00 [<1.00]	0.869 J [0.860 J]	11.8 [9.85]	<1.00 J4 [<1.00 J4]	0.283 J [0.202 J]	<5.00 [<5.00]
	11/29/2022	0.587 J [0.547 J]	<20.0 [<20.0]	125 [128]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	0.625 J [0.582 J]	8.21 [7.53]	<1.00 [<1.00]	0.252 J [0.234 J]	<5.00 [<5.00]
MW-24-D2	1/13/2016	< 5.0	< 13	260	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/13/2016	< 5.0	< 13	250	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 2.5	140 E	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.98 J	< 1.0	< 1.0	< 1.0
	10/25/2016	< 4.0	< 10	120	< 4.0	120	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 5.0	< 13	270	< 5.0	84 F1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	7/5/2017	< 8.0	< 20	220	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	8/27/2017	< 8.0	< 20	87	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 2.0	< 5.0	60	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/12/2018	< 2.0	< 5.0	2.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 10	2	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	13	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	5.0 U	47	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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



Location ID	Date Sampled	Volatile Organics											
		Isopropylbenzene	Methyl acetate	Methyl-t-butyl ether	Methylcyclohexane	Methylene chloride (Dichloromethane)	Styrene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (Trichloroethylene)	Trichlorofluoromethane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-24-D2 (cont.)	6/9/2020	<1.00 J4	<20.0	136	<1.00	<5.00	<1.00	<1.00 J4	<1.00	0.716 J	<1.00	<1.00 J4	<5.00
	8/18/2020	0.141 J	<20.0	76.4	<1.00	<5.00	<1.00	<1.00	<1.00	0.359 J	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<20.0	296	<1.00	<5.00	<1.00	<1.00	<1.00	1.13	<1.00	0.244 J	<5.00
	3/19/2021	<1.00	<20.0	448	<1.00	<5.00	<1.00	<1.00	<1.00	1.19	<1.00	<1.00	<5.00
	6/1/2021	<1.00	<20.0 C3	358	<1.00	<5.00	<1.00	<1.00	<1.00	0.720 J	<1.00	<1.00	<5.00
	11/16/2021	0.209 J	<20.0	224	<1.00	<5.00	<1.00	<1.00	<1.00	0.668 J	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<20.0	341	<1.00	<5.00	<1.00	<1.00	<1.00	0.498 J	<1.00	<1.00	<5.00
	5/4/2022	<1.00	<20.0	454	<1.00	<5.00	<1.00	<1.00	<1.00	0.992 J	<1.00	<1.00	<5.00 C3 J4
	8/24/2022	<1.00	<20.0	20.0	<1.00 J4	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/29/2022	0.143 J	<20.0	54.4 C5 J4	<1.00	<5.00	<1.00	<1.00	<1.00	0.333 J	<1.00	<1.00	<5.00
MW-24-VDR	7/12/2018	< 4.0	< 10	4.2	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 10	2.9	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 5.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	0.75 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00 J4	<20.0	0.998 J	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00
	8/18/2020	<1.00	<20.0	1.16	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/5/2020	<1.00	<20.0	0.944 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	3/19/2021	<1.00	<20.0	1.01	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
6/1/2021	<1.00	<20.0 C3	0.782 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	
11/16/2021	<1.00	<20.0	0.249 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	
MW-26-D1	1/12/2016	< 5.0	< 13	380	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/22/2016	< 4.0	< 10	340	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 10	< 25	310	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/25/2016	< 4.0	< 10	390	< 4.0	3.6 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/5/2017	< 10	< 25	290	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	8/27/2017	< 10	< 25	240	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/11/2017	< 2.0	< 5.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 5.0	220 E	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	0.43 J	< 10	110	< 5.0	< 5.0	< 1.0	< 1.0	0.23 J	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	0.73 J	< 5.0	86	< 1.0	< 1.0	< 1.0	< 1.0	0.67 J	1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	0.56 J	< 5.0	77	< 1.0	< 1.0	< 1.0	< 1.0	0.4 J	0.74 J	< 1.0	< 1.0	< 1.0
	2/11/2020	0.67 J	< 5.0	80	< 1.0	< 1.0	< 1.0	< 1.0	0.46 J	0.92 J	< 1.0	< 1.0	< 1.0
	6/10/2020	1.06	<20.0	115	<1.00	<5.00	<1.00	<1.00	0.516 J	2.36	<1.00	<1.00	<5.00
	8/19/2020	0.555 J	<20.0	97.4	<1.00	<5.00	<1.00	<1.00	<1.00	1.57	<1.00	<1.00	<5.00
	11/6/2020	0.459 J	<20.0	84.1	<1.00	<5.00	<1.00	<1.00	<1.00	1.42	<1.00	<1.00	<5.00
	6/2/2021	0.628 J	<20.0 C3	105	<1.00	<5.00	<1.00	<1.00	0.685 J	3.67	<1.00	<1.00	<5.00
	8/12/2021	0.250 J	<20.0	67.5	<1.00	<5.00	<1.00	<1.00	0.326 J	2.54	<1.00	<1.00	<5.00
	11/16/2021	0.509 J	<20.0	75.6	<1.00	<5.00	<1.00	<1.00	<1.00	1.65	<1.00	<1.00	<5.00
	2/2/2022	0.281 J	<20.0	69.0	<1.00	<5.00	<1.00	<1.00	<1.00	0.670 J	<1.00	<1.00	<5.00
5/5/2022	0.621 J	<20.0	68.9	<1.00	<5.00	<1.00	<1.00 C3	0.755 J	0.887 J	<1.00	<1.00	<5.00	
8/25/2022	0.818 J	<20.0	65.0	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	0.890 J	<1.00 J4	<1.00	<5.00	
11/29/2022	0.143 J	<20.0	54.4 C5 J4	<1.00	<5.00	<1.00	<1.00	<1.00	0.333 J	<1.00	<1.00	<5.00	

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



Location ID	Date Sampled	Volatile Organics											
		Isopropylbenzene	Methyl acetate	Methyl-t-butyl ether	Methylcyclohexane	Methylene chloride (Dichloromethane)	Styrene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (Trichloroethylene)	Trichlorofluoromethane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-26-D2	1/12/2016	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/22/2016	< 1.0	< 2.5	59	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/25/2016	< 2.0	< 5.0	85	< 2.0	15	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/25/2016	< 2.0	< 5.0	43	< 2.0	81	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	7/5/2017	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 8.0	< 20	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 1.0	< 2.5	14	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 10	76	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 5.0	84	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.90 J	< 1.0	0.50 J	< 1.0
	9/13/2019	< 1.0	< 5.0	60	< 1.0	0.44 J	< 1.0	< 1.0	< 1.0	0.56 J	< 1.0	< 1.0	1.0 U
	12/6/2019	< 1.0	< 5.0	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	52	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00	<20.0	105	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	8/19/2020	<1.00	<20.0	64.4	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
MW-26-VD	1/13/2016	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 2.5	0.96 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-27-D1R	1/13/2016	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	< 1.0	< 2.5	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 2.0	< 5.0	84	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	8/27/2017	< 2.0	< 5.0	100	< 2.0	0.94 J	< 2.0	< 2.0	< 2.0	5	< 2.0	< 2.0	< 2.0
	7/13/2018	< 2.0	< 5.0	62	< 2.0	< 2.0	< 2.0	< 2.0	1.6 J	4.1	< 2.0	< 2.0	< 2.0
	10/18/2018	< 1.0	< 10	38	< 5.0	< 5.0	< 1.0	< 1.0	1	< 1.0	< 1.0	0.26 J	< 1.0
	5/10/2019	< 1.0	< 5.0	18	< 1.0	< 1.0	< 1.0	< 1.0	0.44 J	0.96 J	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 5.0	33	< 1.0	< 1.0	< 1.0	< 1.0	1.2	2.3	< 1.0	< 1.0	< 1.0
	12/5/2019	< 1.0	< 5.0	39	< 1.0	< 1.0	< 1.0	< 1.0	1.7	3.6	< 1.0	0.37 J	1.0 U
	8/19/2020	<5.00	<100	26.0	<5.00	<25.0	<5.00	<5.00	<5.00	1.52 J	<5.00	<5.00	<25.0
	11/6/2020	<5.00	<100	22.2	<5.00	<25.0	<5.00	<5.00	<5.00	2.01 J	<5.00	<5.00	<25.0
	3/20/2021	<1.00	<20.0	21.1	<1.00	<5.00	<1.00	<1.00	0.450 J	1.82	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<20.0 C3	27.6	<1.00	<5.00	<1.00	<1.00	0.774 J	2.80	<1.00	0.349 J	<5.00
	8/12/2021	<1.00	<20.0	21.3	<1.00	<5.00	<1.00	<1.00	0.544 J	1.87	<1.00	0.230 J	<5.00
	11/17/2021	<1.00	<20.0	37.6	<1.00	<5.00	<1.00	<1.00	1.20	3.89	<1.00	0.355 J	<5.00
2/2/2022	<1.00	<20.0	18.8	<1.00	<5.00	<1.00	<1.00	0.297 J	1.80	<1.00	0.208 J	<5.00	
5/5/2022	<1.00	<20.0	19.1	<1.00	<5.00	<1.00	<1.00	<1.00 C3	0.474 J	2.11	<1.00	0.260 J	<5.00
11/29/2022	<1.00	<20.0	0.247 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<5.00
MW-27-D2	1/13/2016	< 5.0	< 13	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	38	< 10	8.1	26	5.7	< 4.0	< 4.0	17	< 4.0	< 4.0	< 4.0	< 4.0
	7/5/2017	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/2017	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 10	3.4 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 10	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	< 1.0	< 5.0	7.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	< 1.0	< 5.0	9.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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Chevron Facility #6518040
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Location ID	Date Sampled	Volatile Organics											
		Isopropylbenzene	Methyl acetate	Methyl-t-butyl ether	Methylcyclohexane	Methylene chloride (Dichloromethane)	Styrene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (Trichloroethylene)	Trichlorofluoromethane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-27-D2 (cont.)	12/5/2019	< 1.0	< 5.0	4.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 5.0	4.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	<1.00 J4	<20.0	0.843 J	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00
	8/19/2020	<1.00	<20.0	1.21	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	3/20/2021	<1.00	<20.0	0.380 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<20.0 C3	0.132 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/17/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3J4
8/25/2022	<1.00	<20.0	0.113 J	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<5.00	
11/29/2022	<1.00	<20.0	16.7	<1.00	<5.00	<1.00	<1.00	0.424 J	1.92	<1.00	0.242 J	<5.00	
MW-28-D1	6/24/2016	< 1.0	< 2.5	6.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	< 10	< 25	4.7 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	7/5/2017	< 1.0	< 2.5	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 10	6.6	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 10	4.8	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	0.33 J	< 10	9.5	< 5.0	< 5.0	< 1.0	< 1.0	0.39 J	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 5.0	7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	0.56 J	< 5.0	22	< 1.0	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/5/2019	1.0 U	5.0 U	21	< 1.0	< 1.0	< 1.0	< 1.0	0.53 J	0.25 J	< 1.0	< 1.0	< 1.0
	2/11/2020	0.34 J	< 5.0	34	< 1.0	< 1.0	< 1.0	< 1.0	0.62 J	0.35 J	< 1.0	< 1.0	< 1.0
	6/9/2020	0.440 J	<20.0	20.1	<1.00	<5.00	<1.00	<1.00 J4	0.578 J	0.205 J	<1.00	<1.00 J4	<5.00
	8/19/2020	<1.00	<20.0	16.5	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/6/2020	0.548 J	<20.0	28.8	<1.00	<5.00	<1.00	<1.00	0.497 J	0.362 J	<1.00	<1.00	<5.00
	6/2/2021	0.221 J	<20.0 C3	7.53	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	8/12/2021	0.211 J	<20.0	8.64	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/16/2021	0.200 J	<20.0	7.56	<1.00	<5.00	<1.00	<1.00	<1.00	0.185 J	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<20.0	5.26	<1.00	<5.00	<1.00	<1.00	0.324 J	<1.00	<1.00	<1.00	<5.00 C3 J4
	8/25/2022	<1.00	<20.0	0.460 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J4	<5.00
	11/29/2022	<1.00	<20.0	3.34	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
MW-28-D2R	6/24/2016	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/28/2016	< 1.0	< 2.5	0.25 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/27/2017	< 4.0	< 10	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/13/2018	< 4.0	< 10	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 10	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/9/2019	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/13/2019	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/11/2020	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2020	<1.00 J4	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00
	8/19/2020	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<20.0	0.108 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00

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Oceanside, Township of Hempstead, New York



Location ID	Date Sampled	Volatile Organics											
		Isopropylbenzene	Methyl acetate	Methyl-t-butyl ether	Methylcyclohexane	Methylene chloride (Dichloromethane)	Styrene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (Trichloroethylene)	Trichlorofluoromethane (Freon 11)
NYSDEC TOGS 1.1.1		5	NE	10	NE	5	5	5	5	5	0.4	5	5
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28-D2R (cont.)	3/20/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<20.0 C3	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	8/12/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/16/2021	<1.00	<20.0	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	2/2/2022	<1.00	<20.0	0.131 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<20.0	0.418 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 C3J4
	8/25/2022	<1.00	<20.0	0.343 J	<1.00	<5.00	<1.00 C3 J4	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<5.00
11/29/2022	<1.00	<20.0	0.107 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	
MW-29-D1	1/14/2016	24	< 13	34	5.5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	6/21/2016	5.4	< 2.5	23	3.8	< 1.0	< 1.0	< 1.0	1	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	16	< 2.5	44	10	< 1.0	< 1.0	< 1.0	3.1	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	6.4	< 2.5	23	2.5	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0
	7/5/2017	7.7	< 5.0	71	1.8 J	< 2.0	< 2.0	< 2.0	2.3	< 2.0	< 2.0	< 2.0	< 2.0
	8/27/2017	9.3	< 5.0	28	5.8	< 2.0	< 2.0	< 2.0	1.7 J	< 2.0	< 2.0	< 2.0	< 2.0
	10/12/2017	5.8	< 10	20	1.5 J	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	7/13/2018	19	< 10	39	11	< 4.0	< 4.0	< 4.0	3.0 J	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	16	< 10	33	11	< 5.0	< 1.0	< 1.0	2.8	< 1.0	< 1.0	< 1.0	< 1.0
	5/10/2019	18	< 5.0	51	8.6	< 1.0	< 1.0	< 1.0	2.3	< 1.0	< 1.0	< 1.0	< 1.0
	9/14/2019	2.2	< 5.0	18	1.2	0.48 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/6/2019	< 1.0	< 5.0	12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/12/2020	< 1.0	< 5.0	3.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/10/2020	0.107 J	<20.0	22.7	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00
	8/19/2020	<1.00	<20.0	29.5	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	11/6/2020	<1.00	<20.0	28.7	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	3/20/2021	<1.00	<20.0	26.4	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	6/2/2021	<1.00	<20.0 C3	1.76	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	8/12/2021	0.105 J	<20.0	20.9	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00
	5/5/2022	<1.00	<20.0	33	<1.00	<5.00	<1.00	<1.00 C3	<1.00	<1.00	<1.00	<1.00	<5.00
11/29/2022	<1.00	<20.0	15.9	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	
MW-29-D2	1/14/2016	< 1.0	< 2.5	66	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/21/2016	< 1.0	< 2.5	51	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-29-VD	1/14/2016	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/21/2016	< 1.0	< 2.5	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D1	1/14/2016	< 1.0	< 2.5	100 E	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 2.5	53	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D2	1/14/2016	< 5.0	< 13	7.3	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	1/14/2016	< 2.0	< 5.0	8.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	6/22/2016	< 1.0	< 2.5	3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-VD	1/14/2016	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	6/22/2016	< 1.0	< 2.5	0.47 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	1/14/2016	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 2.5	3.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D2R	1/14/2016	< 1.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/22/2016	< 1.0	< 2.5	0.32 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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

Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry		
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L
AMW-12	1/14/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-D1	6/24/2016	1.3	< 2.0	NA	NA	NA	NA	3,500	510 B	NA	569,000 B	5,69,000 B	NA
	7/27/2016	9.9	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-D2	6/23/2016	< 1.0	< 2.0	NA	NA	NA	NA	2,700	740 B	NA	1100 B	7,32,000 B	NA
	7/27/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-VD	6/23/2016	< 1.0	< 2.0	NA	NA	NA	NA	26,100	1100 B	NA	1100 B	7,32,000 B	NA
	7/27/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-14-D1	6/24/2016	1.4	< 2.0	NA	NA	NA	NA	410	370 B	NA	< 140	8,86,000 B	NA
	7/26/2016	1600 E	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/5/2017	78	3.2 J	130	< 150	< 140	1,100	4,700	48	16,90,000 ^	NA	7,16,000 B	3,060
	8/27/2017	7.6	< 8.0	79	< 330	200 J	550	5,200	49 B	1,730,000	NA	5,63,000 B	3,130
	10/11/2017	3.2	20	23	< 170	190	580	4,400	48 B	1,590,000	NA	563,000	1,860
	7/12/2018	< 8.0	16	42	< 660	260 J	2,000	1,600	14 B	975,000	NA	6,23,000 B	2,970
	10/17/2018	32	1.6 J	120 B	< 330	< 310	1,600	5,000	55 B	1,560,000	NA	673,000	3,620
	5/10/2019	2.1	16	73	150 J	440	1,900	5,780	94.9	1,740,000	NA	805,000	3,700
	9/13/2019	9	< 2.0	150	<83	<77	3,600	3,630	70.2	1,680,000	NA	779,000	3,000
	12/5/2019	22	1.8 J	160	13	210	3,800	6,940	59	1,100,000	NA	582,000	2,100
	2/12/2020	40	5.7	100 B	160	690	3,000 B	5,170	41.1	967,000	NA	386,000	2,400
	6/10/2020	5.59	0.780 J	43.1 T8	<13.0	86.3	3,200	1,800	33.3	1,380,000	NA	613,000	2,750
	8/19/2020	4.74	4.86	42,500 T8	378	176	3,340	8,480	131	1,930,000	NA	678	2,950
	11/4/2020	6.16	3.95	28.2 T8	816	225	5,990	3,130	22.0	986,000	NA	581,000	3,030
	3/19/2021	25.3	3.77	61.8 P1 T8	110	661	5,200	12,500	150	1,950,000	NA	808,000	3,950
	6/2/2021	7.18	3.61	36.4 T8	831	171	6,810	3,040	70.9	1,890,000	NA	719,000	3,180
	8/12/2021	<1.00 J4	3.90	56.1 B T8	437	445	4,350	5,080	88.3	2,060,000	NA	637,000	2,480
	11/16/2021	10.4	2.95 J	60.8 BT8	14.6	102	777	4,560	38.6	1,180,000	NA	674,000	3,010
	2/2/2022	<1.00	1.38 J	40.8 T8	93.6	16.8	1,020	5,220	94.9	1,900,000	NA	541,000	3,090
	5/5/2022	9.17	2.71 J	<20 J T8	325	251	3,850	5,910	109	2,020,000	NA	409,000	1,900
	8/24/2022	5.48	1.14 J	84.9 B T8	250	120	3,660	5,400	76.2	1,620,000	NA	391,000	2,450
	11/29/2022	4.80	2.89 J	67.7 B T8	381	118	5,180	2,090	19.5	1,100,000	NA	669,000	3,450
AMW-14-D2	6/23/2016	< 1.0	< 2.0	NA	NA	NA	NA	6,600	510 B	NA	740 B	7,40,000 B	NA
	7/26/2016	3.6	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/27/2017	< 1.0	< 2.0	18	< 83	< 77	210	34 J	16 B	13,500	NA	4,39,000 B	4,930
	10/11/2017	< 1.0	< 2.0	100	< 170	< 150	1,200	17,300	760 B	3,260,000	NA	830,000	4,070
	7/12/2018	< 2.0	< 4.0	120	< 330	< 310	970	2,500	78 B	2,210,000	NA	7,85,000 B	4,380
	10/17/2018	< 1.0	< 3.0	150 B	< 330	< 310	2,200	2,700	100 B	2,230,000	NA	4,85,000 B	4,510
	5/10/2019	0.32 J	<2.0	150	< 330	< 310	1,900	548	80.1	2,080,000	NA	822,000	4,200
	9/13/2019	0.65 J	<2.0	160	<83	<77	2,600	1,870	86.3	2,070,000	NA	823,000	3,400
	12/5/2019	0.33 J	<2.0	170	0.74 J	< 3.0	2,200	6,830	135	2,380,000	NA	727,000	4,200
	2/12/2020	< 1.0	<2.0	120 B	1.1 J	< 3.0	1,800 B	5,590	116	1,630,000	NA	810,000	4,500
	6/10/2020	<10.0	4.00 J	69.7 T8	<13.0	<13.0	2,070	5,070	119	1,990,000	NA	744,000	4,190
	8/19/2020	<10.0	<30.0	55,800 T8	<13.0	<13.0	1,670	17,800	340	2,510,000	NA	832	4,380
	11/5/2020	<1.00	<3.00	26.3 T8	<13.0	<13.0	1,970	3,290	104	1,950,000	NA	692,000	4,330
	3/19/2021	<1.00	<3.00	44.6 T8	<13.0	<13.0	1,820	28,300	506	2,530,000	NA	750,000	5,310
	6/2/2021	6.49	<3.00	47.6 T8	<13.0	<13.0	2,330	4,590	137	2,340,000	NA	473,000	3,020

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



Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry		
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L
AMW-14-D2 (cont.)	8/12/2021	<1.00	<3.00	91.0 T8	<13.0	<13.0	1,670	1,450	111	2,410,000	NA	841,000	4,350
	11/16/2021	<1.00	<3.00	89.4 T8	<13.0	<13.0	255	5,870	145	2,310,000	NA	810,000	4,100
	2/2/2022	<1.00	<3.00	103 T8	<13.0	<13.0	326	3,310	122	2,260,000	NA	816,000	4,690
	5/5/2022	<1.00	<3.00	69.3 B T8	<13.0	<13.0	1,400	2,750	132	2,460,000	NA	605,000	3,460
	8/24/2022	<1.00	<3.00	107 T8	<13.0	<13.0	558	467	70.9	2,010,000	NA	761,000	4,190
	11/29/2022	<1.00	<3.00	36.3 B T8	<13.0	<13.0	101	4,860	28.9	416,000	NA	308,000	1,680
AMW-14-VD	6/23/2016	< 1.0	0.79 J	NA	<13.0	<13.0	1,820	28,300	506	2,530,000	427	427,000	NA
	7/27/2016	< 1.0	< 2.0	NA	<13.0	<13.0	1,820	28,300	506	2,530,000	NA	NA	NA
	7/5/2017	< 1.0	< 2.0	120	<13.0	<13.0	1,820	28,300	506	2,530,000	NA	4,40,000 B	15,200
	8/27/2017	< 1.0	< 2.0	100	<13.0	<13.0	1,820	28,300	506	2,530,000	NA	4,15,000 B	15,400
	10/11/2017	< 1.0	3.2	82	<13.0	<13.0	1,820	28,300	506	2,530,000	NA	454,000	16,200
	7/12/2018	< 1.0	< 2.0	120	< 7.5	< 7.0	27	18,400	410 B	8,660,000	NA	4,72,000 B	19,400
	10/17/2018	< 1.0	< 3.0	110 B	< 7.5	< 7.0	24	18,500	390 B	9,100,000	NA	4,09,000 B	16,300
	5/10/2019	<1.0	<2.0	130	<7.5 H	<7.0 H	12 H	14,700	387	71,50,000 B	NA	493,000	110,000
	9/13/2019	<1.0	<2.0	140	<7.5	<7.0	20	15,200	376	6,810,000	NA	493,000	14,000
	12/5/2019	<1.0	<2.0	130	< 4.0	<3.0	33	18,800	432	8,960,000	NA	493,000	17,000
	2/12/2020	<1.0	<2.0	100 B	< 4.0	< 3.0	28 B	12,800	339	5,740,000	NA	495,000	15,000
	6/10/2020	<1.00	<3.00	88.9 T8	<13.0	<13.0	467	17,600	381	8,070,000	NA	528,000	18,000
	8/20/2020	<1.00	<3.00	82,100 T8	<13.0	<13.0	26.4	16700	389	8,790,000	NA	527	17,000
	11/5/2020	<1.00	<3.00	<20 T8	<13.0	<13.0	48.6	18,000	396	7,940,000	NA	501,000	17,200
	3/19/2021	<1.00	<3.00	82.5 T8	<13.0	<13.0	51.9	18,500	395	8,320,000	NA	522,000	17,300
	6/2/2021	<1.00	<3.00	99.3 T8	<13.0	<13.0	52.7	18,900	396	8,510,000	NA	542,000	16,100
	8/12/2021	<1.00	<3.00	148 T8	<13.0	<13.0	61.1	19,400	393	8,190,000	NA	540,000	16,700
	11/16/2021	<1.00	<3.00	112 T8	<13.0	<13.0	18.4	20,000	383	8,670,000	NA	448,000	13,500
	2/2/2022	<1.00	<3.00	138 T8	<13.0	<13.0	9.62 J	18,200	411	8,690,000	NA	518,000	16,100
	5/5/2022	<1.00	<3.00	112 B T8	<13.0	<13.0	31.7	18,600	401	8,720,000	NA	497,000	15,400
	8/24/2022	<1.00	<3.00	100 B T8	<13.0	<13.0	15.9	18,500	375	7,850,000	NA	556,000	15,900
	11/29/2022	<1.00	<3.00	87.3 B T8	<13.0	<13.0	26.3	16,900	379	8,400,000	NA	529,000	14,700
AMW-15-D1	6/23/2016	70	< 2.0	NA	NA	NA	NA	2,200	500 B	NA	602	602,000	NA
	7/27/2016	410	6.5 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/26/2016	600 F1	15 J	NA	NA	NA	NA	1,900 B	70 B	NA	130	130,000	NA
	10/26/2016	240	5.5 J	NA	NA	NA	NA	95 B	110 B	NA	528	528,000	NA
	7/5/2017	10	< 8.0	110	< 150	< 140	400	2,100	84	17,50,000 ^	NA	597,000	73.2
	8/27/2017	76	17	27	92 J	830	4,000	12,400	170 B	1,520,000	NA	4,71,000 B	2,480
	10/11/2017	24	12	34	< 330	470	2,400	6,900	100 B	17,10,000 ^	NA	641,000	2,760
	10/17/2018	< 5.0	19	40	< 660	< 620	5,100	3,900	320	989,000	NA	442,000	1,910
	5/9/2019	1.1	6.3	52	<830	<770	3,200	3,340	335	1,170,000	NA	422,000	2,500
	9/13/2019	2	5.1	47	290 J	150 J	4,000	3,740	311	1,160,000	NA	254,000	1,700
	12/5/2019	2.2	5.8	39	490	550	6,200	3,550	243	1,200,000	NA	424,000	2,000
	2/11/2020	< 1.0	1.6 J	20 B	89	49	700 B	4,740	303	1,050,000	NA	206,000	1,800
	6/10/2020	<5.00	6.20 J	<20.0 T8	775	165	6,590	512	150	1,050,000	NA	393,000	2,010
	8/19/2020	<5.00	2.96 J	<20000 T8	550	27.5	4,380	1,320	126	1,460,000	NA	442	1990
	11/4/2020	<1.00	1.61 J	<20 T8	722	<13.0	5,200	800	80.5	1,030,000	NA	425,000	2,250
	3/19/2021	<5.00	5.23 J	23 T8	1,370	90.7	9,900	13,700	113	1,210,000	NA	598,000	2,590
	6/2/2021	<1.00	1.14 J	<20 T8	298	<13.0	1,970	597	55.6	1,040,000	NA	466,000	2,050
	11/16/2021	<1.00	2.26 J	25.2 BT8	198	<13.0	1,380	612	17.9	1,230,000	NA	494,000	2,140

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



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

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



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

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Oceanside, Township of Hempstead, New York



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

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



Location ID	Date Sampled	Volatile Organics		GC Volatiles - RSK-175				Inorganics			General Chemistry		
		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L
MW-23-D2R (cont.)	9/13/2019	< 1.0	< 2.0	140	< 170	< 150	700	25,700	2,350	1,600,000	NA	415,000	2,500
	12/5/2019	< 1.0	< 2.0	69	2.9 J	< 3.0	1,500	26,100	2,120	1,410,000	NA	349,000	2,400
	8/19/2020	<1.00	<3.00	54,100 T8	<13.0	<13.0	1,190	46,200	290	2,340,000	NA	505	3,710
	11/5/2020	<1.00	<3.00	32.6 T8	<13.0	<13.0	1,020	12,700	2,830	1,900,000	NA	398,000	3,730
	3/18/2021	<1.00	<3.00	53.5 T8	<13.0	<13.0	61	8,940	139	2,220,000	NA	667,000	4,360
	6/2/2021	<1.00	<3.00	61.5 T8	<13.0	<13.0	878	1,520	267	2,010,000	NA	540,000	3,500
	8/12/2021	<1.00	<3.00	35.9 B T8	<13.0	<13.0	1,070	1,380	1,550	1,560,000	NA	376,000	3,250
	11/16/2021	<1.00	<3.00	72 T8	<13.0	<13.0	421	2,140	1,510	1,710,000	NA	600,000	3,710
	2/2/2022	<1.00	<3.00	92.6 T8	<13.0	<13.0	389	953	1,400	1,620,000	NA	529,000	3,630
	5/5/2022	<1.00	<3.00	79.8 B T8	<13.0	<13.0	1,310	803	1,240	1,180,000	NA	448,000	3,520
	8/25/2022	<1.00	<3.00	30.4 B T8	<13.0	<13.0	1,330	2,530	761	868,000	NA	391,000	2,500
	11/29/2022	<1.00	<3.00	37.5 B T8	NA	NA	NA	863	894	1,380,000	NA	494,000	3,210
MW-24-D1R	1/13/2016	99	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	35	9.3	NA	NA	NA	NA	32 J	60 B	NA	550 J	6,42,000 B	NA
	10/26/2016	33	7.2	NA	NA	NA	NA	< 50	49 B	NA	526	526,000	NA
	10/26/2016	15	6.6	NA	NA	NA	NA	58 B	8.9 B	NA	324	324,000	NA
	10/26/2016	< 4.0	< 8.0	NA	NA	NA	NA	24 J B	59 B	NA	577	577,000	NA
	7/12/2018	160	29	67	130 J	1,100	5,900	10,100	120 B	2,140,000	NA	8,75,000 B	4,220
	10/16/2018	22	25	59	< 660	550 J	6,000	2,900	91	1,070,000	NA	583,000	2,370
	5/9/2019	1.5	3.6	98	< 330	< 310	1,600	4,120	79.6	1,720,000	NA	572,000	3,900
	9/13/2019	8.0 [9.2]	33 [30]	36 [51]	750 [730]	100 J [99 J]	7,300 [7,700]	2,140 [4,060]	32.1 [56.5]	13,20,000 [15,20,000]	NA	4,11,000 [5,88,000]	1,800 [3,000]
	12/5/2019	3.4 [5.4]	11 [29]	30 [60]	320 [880]	88 [280]	2,400 [8,400]	1,540 [1,410]	40.6 [38.3]	13,40,000 [11,70,000]	NA	3,01,000 [5,14,000]	1,900 [2,000]
	2/11/2020	2.3 [7.9]	24 [37]	57 B [57 B]	520 [520]	110 [270]	4,500 B [5900]	196 [426]	13.1 J [15]	13,70,000 [15,40,000]	NA	3,78,000 [5,30,000]	2,300 [2,500]
	6/9/2020	2.86 J [<5.00]	31.1 [34.4]	47.8 T8 [38.3 T8]	419 [549]	230 [147]	5,930 [6,460]	1,290 [2,340]	22.6 [40.8]	15,50,000 [16,50,000]	NA	6,03,000 [6,05,000]	2,910 [3,200]
	8/19/2020	<5.00 [<5.00]	26.9 [26.3]	47,000 T8 [46,300 T8]	589 [566]	116 [111]	6,530 [6,280]	674 [819]	9.41 J [14.6]	14,40,000 [14,70,000]	NA	423 [485]	2,360 [2,390]
	11/5/2020	<5.00 [<5.00]	24.1 [18.6]	57.2 T8 [48.7 T8]	794 [609]	274 [219]	12,600 [9,970]	486 [631]	9.69 J [10.4]	1,430,000 [1,420,000]	NA	290,000 [287,000]	2,380 [2,310]
	3/19/2021	<1.00 [<5.00]	23.8 [22.7]	<20 T8 [38 T8]	647 [752]	209 [219]	10,400 [11,100]	415 [4,070]	7.67 J [42.5]	1,430,000 [1,330,000]	NA	461,000 [523,000]	2,640 [2,750]
	6/1/2021	1.06 [2.21 C3 J]	20.2 [18.0]	38.9 T8 [26.2 T8]	480 [451]	145 [139]	7,940 [6,890]	722 [2,570]	12.4 [39.2]	1,480,000 [1,560,000]	NA	475,000 [586,000]	2,730 [2,840]
	11/16/2021	<1.00 [<1.00]	12.6 [12.3]	<20 B J T8 [32.3 B T8]	70.5 [78.5]	20.2 [21.8]	1,280 [1,390]	3,390 [15,100]	294 [290]	1,370,000 [1,390,000]	NA [NA]	413,000 [313,000]	2,300 [2,500]
	2/2/2022	0.242 J [<1.00]	8.44 [9.73]	58.5 T8 [59.3 T8]	38.9 [56.8]	12.7 J [23.0]	872 [1,030]	2,270 [6,490]	333 [290]	1,360,000 [1,390,000]	NA [NA]	298,000 [359,000]	2,350 [2,350]
5/4/2022	0.623 J [<1.00]	15.5 [15.1]	38.7 T8 [42.1 B T8]	251 [236]	127 [122]	6,520 [6,430]	18,700 [25,800]	40.9 [48]	1,510,000 [1,430,000]	NA [NA]	522,000 [488,000]	2,610 [2,720]	
8/24/2022	0.909 J [<1.00]	13.7 [13.8]	116 T8 [124 T8]	286 [242]	134 [91.2]	2,380 [5,530]	4,490 [7,810]	70.9 [80.6]	1,500,000 [1,460,000]	NA [NA]	326,000 [392,000]	2,420 [2,660]	
11/29/2022	5.16 [<1.00]	7.14 [6.65]	49.2 B T8 [48.6 B T8]	245 [203]	75.8 [53.3]	5,770 [4,490]	3,410 [5,450]	34.4 [56.6]	1,360,000 [1,340,000]	NA	415,000 [375,000]	1,960 [2,040]	
MW-24-D2	1/13/2016	180	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/13/2016	170	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	38	< 2.0	NA	NA	NA	NA	40 J	55 B	NA	298,000 B	7,41,000 B	NA
	10/25/2016	20	< 8.0	NA	NA	NA	NA	49 J	62	NA	512	512,000	NA
	10/25/2016	280 F1	< 10	NA	NA	NA	NA	< 50	56	NA	759	759,000	NA
	7/5/2017	250 F1	< 16	130	< 150	< 140	130	1,800	88	25,20,000 ^	NA	667,000	4,060
	8/27/2017	72	< 16	110	< 170	< 150	980	6,600	160 B	2,260,000	NA	7,74,000 B	4,100
	10/11/2017	18	< 4.0	54	< 170	< 150	410	5,500	140 B	23,80,000 ^	NA	804,000	3,720
	7/12/2018	< 2.0	< 4.0	15	< 7.5	< 7.0	44	1,100	33 B	94,900	NA	1,14,000 B	182
	10/17/2018	0.23 J	< 3.0	5.7	< 170	< 150	370	610	32	1,08,000 ^	NA	102,000	201
	5/9/2019	< 1.0	< 2.0	5.0	< 7.5	< 7.0	< 4.0	391	7.7 J	100,000	NA	112,000	89
	9/13/2019	< 1.0	< 2.0	15.0	< 7.5	< 7.0	< 4.0	2,160	35.6	81,400	NA	108,000	49
	12/5/2019	< 1.0	< 2.0	26	1.5 J	0.57 J	270	2,090	58.7	366,000	NA	190,000	550
	2/11/2020	< 1.0	< 2.0	8 B	2.7 J	< 3.0	210 B	1,450	22.2	349,000	NA	482,000	340

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Oceanside, Township of Hempstead, New York



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

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		Vinyl Chloride (Chloroethene)	Xylene (total)	Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride
NYSDEC TOGS 1.1.1		2	5	NE	NE	NE	NE	300	300	20,000	NE	NE	250
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L
MW-26-D2	1/12/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	1.2	< 2.0	NA	NA	NA	NA	490 B	700 B	NA	344	344,000	NA
	10/25/2016	< 2.0	< 4.0	NA	NA	NA	NA	55	63	NA	NA	NA	NA
	10/25/2016	< 2.0	< 4.0	NA	NA	NA	NA	< 50	140	NA	653	653,000	NA
	7/5/2017	< 1.0	< 2.0	130	< 7.5	< 7.0	76	970	420	39,30,000 ^	NA	348,000	9,010
	8/27/2017	< 8.0	< 16	110	< 83	< 77	92	970	310 B	3,370,000	NA	379,000	7,980
	10/11/2017	< 1.0	< 2.0	55	< 170	< 150	670	1,100	160 B	2,770,000	NA	435,000	8,600
	10/17/2018	< 1.0	< 3.0	110 B	< 170	< 150	1,100	150	52 B	2,190,000	NA	509,000	3,820
	5/9/2019	1.5	< 2.0	130	< 660	< 620	750	466	75.2	2,420,000	NA	684,000	5,000
	9/13/2019	< 1.0	< 2.0	150	<83	<77	1,000	207	65.6	2,270,000	NA	702,000	4,000
	12/6/2019	< 1.0	< 1.0	140	1.1 J	< 3.0	1,300	54.4 J	59.8	2,340,000	NA	628,000	4,000
	2/11/2020	< 1.0	< 2.0	83 B	0.8 J	< 3.0	710 B	348	88.8	2,500,000	NA	588,000	3,900
	6/10/2020	<1.00	0.218 J	57.8 T8	<13.0	<13.0	1,340	84.3 J	68.3	2,190,000	NA	671,000	4,390
	8/19/2020	<1.00	<3.00	47.9 T8	<13.0	<13.0	360	402	99.5	2,280,000	NA	638	4,160
	11/16/2021	<1.00	<3.00	<20 JT8	<13.0	<13.0	35	1,310	1,300	2,320,000	NA	168,000	5,590
MW-26-VD	1/13/2016	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/22/2016	< 1.0	< 2.0	NA	NA	NA	NA	74,000 B	2,600 B	NA	61 B	1,76,000 B	NA
MW-27-D1R	1/13/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	0.97 J	< 2.0	NA	NA	NA	NA	430	200 B	NA	51,600	7,95,000 B	NA
	7/5/2017	28	< 4.0	26	< 380	< 350	550	2,800	56	11,30,000 ^	NA	3,94,000 B	2,860
	8/27/2017	110	< 4.0	100	< 170	< 150	1,100	1,300	330 B	960,000	NA	884,000	5,640
	7/13/2018	88	< 4.0	140	< 660	< 620	3,700	8,200	170 B	1,690,000	NA	5,26,000 B	2,770
	10/18/2018	70	< 3.0	150 B	< 170	< 150	3,900	2,100	61 B	1,770,000	NA	725,000	3,890
	5/10/2019	17	< 2.0	97	< 83	< 77	1,600	51,600	456	1,900,000	NA	579,000	3,500
	9/14/2019	25	1.2 J	170	<330	<310	1,600	12,800	161	2,090,000	NA	724,000	3,400
	12/5/2019	61	1.6 J	170	5.5	40	2,600	1,310	51.9	1,920,000	NA	762,000	3,800
	8/19/2020	33.6	1.12 J	55,300 T8	<13.0	19.9	1,530	10,600	156	2,710,000	NA	945	5,060
	11/6/2020	26.0 C5	<15.0	83.4 T8	<13.0	27.8	2,010	10,900	176	2,140,000	NA	652,000	3,870
	3/20/2021	26.9	0.593 J	56.6 T8	9.14 J	39.4	3,920	8,780	150	2,160,000	NA	788,000	4,300
	6/2/2021	45.5	1.05 J	88.9 T8	<13.0	46.0	2,310	59,600	622	2,230,000	NA	795,000	4,330
	8/12/2021	23.9	0.820 J	103 T8	6.78 J	42.1	2,260	6,400	138	2,120,000	NA	839,000	3,970
	11/17/2021	43.7	1.67 J	94.5 B T8	<13.0	10.7 J	361	684	57.9	2,270,000	NA	764,000	4,260
	2/2/2022	27.1	0.515 J	109 T8	<13.0	6.14 J	376	3,770	100	2,150,000	NA	675,000	4,100
	5/5/2022	27.9	0.846 J	80 B T8	6.43 J	34.9	1,540	3,380	94.5	2,230,000	NA	842,000	4,230
	11/29/2022	<1.00	<3.00	93.2 B T8	<13.0	<13.0	684	3,650	343	2,510,000	NA	389,000	4,690
MW-27-D2	1/13/2016	< 5.0	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/21/2016	< 4.0	68	NA	NA	NA	NA	1,300	38 B	NA	940 B	2,79,000 B	NA
	7/5/2017	< 1.0	< 2.0	130	< 75	< 70	53	12,400	550	26,90,000 ^	NA	4,08,000 B	6,330
	8/27/2017	< 1.0	< 2.0	100	< 83	< 77	180	11,600	1,200 B	31,40,000 ^	NA	303,000	9,140
	10/12/2017	< 1.0	< 2.0	81	< 170	< 150	350	9,500	1,700 B	44,60,000 ^	NA	374,000	8,290
	7/13/2018	< 4.0	< 8.0	140	< 330	< 310	1,500	4,600	340 B	2,530,000	NA	3,63,000 B	7,510
	10/18/2018	< 1.0	< 3.0	130 B	< 170	< 150	1,200	2,800	940 B	3,580,000	NA	195,000	8,300
	5/10/2019	< 1.0	< 2.0	66	< 170	< 150	310	902	197	505,000	NA	599,000	4,100
	9/14/2019	< 1.0	< 2.0	150	< 170	< 150	1,200	4,080	272	1,120,000	NA	638,000	3,500

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



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

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



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

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



Notes:

ID = Identification

NYSDEC = New York State Department of Environmental Conservation

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

ug/L = micrograms per liter

Bolded values = compound was detected

Shaded cells = concentration was above the TOGS

< = Less than indicated reporting limit

NE = Not established

CaCO₃ = calcium carbonate

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

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

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

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

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

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

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

B = Compound was found in the blank and sample.

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

E = Result exceeded calibration range

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

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

[] = Duplicate analysis results

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

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

* = LCS or LCSD was above the control limits.

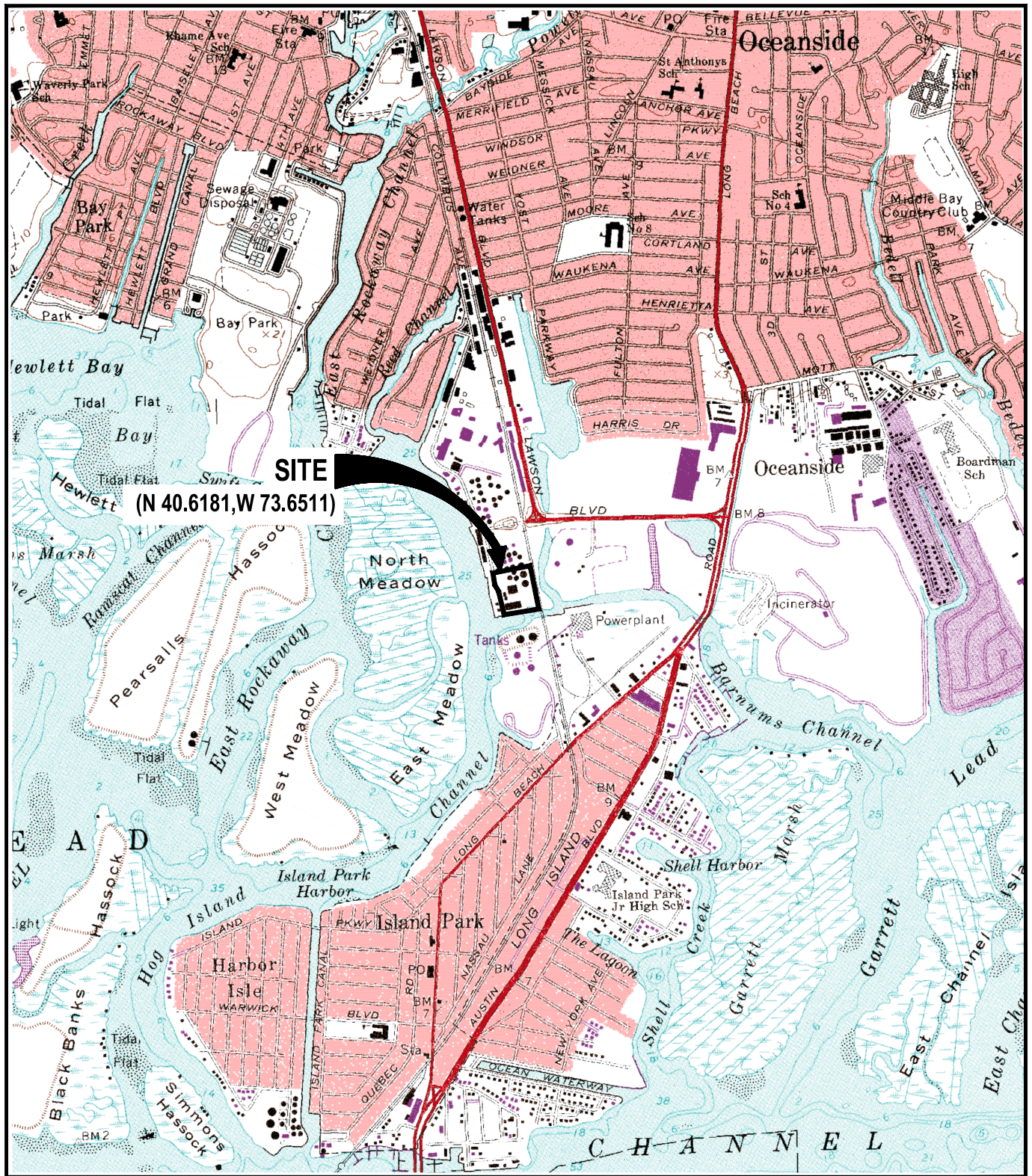
^ = Instrument related QC was outside acceptance limits.

-- = Not available

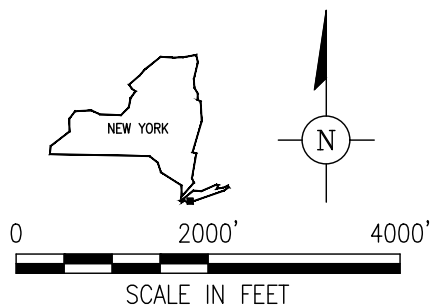
FIGURES



IMAGES:
 NY_Lawrence.TIF
 NY_Lynbrook.TIF



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



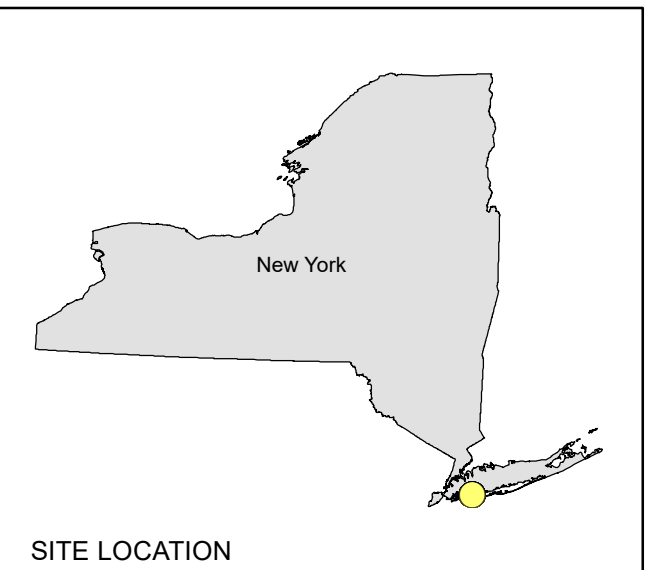
CHEVRON FACILITY 6518040
 3705 HAMPTON RD
 OCEANSIDE, NY

SITE LOCATION MAP



FIGURE
 1

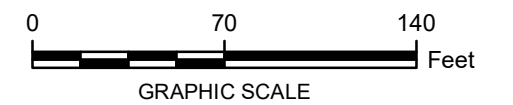
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SITE LOCATION

LEGEND:

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



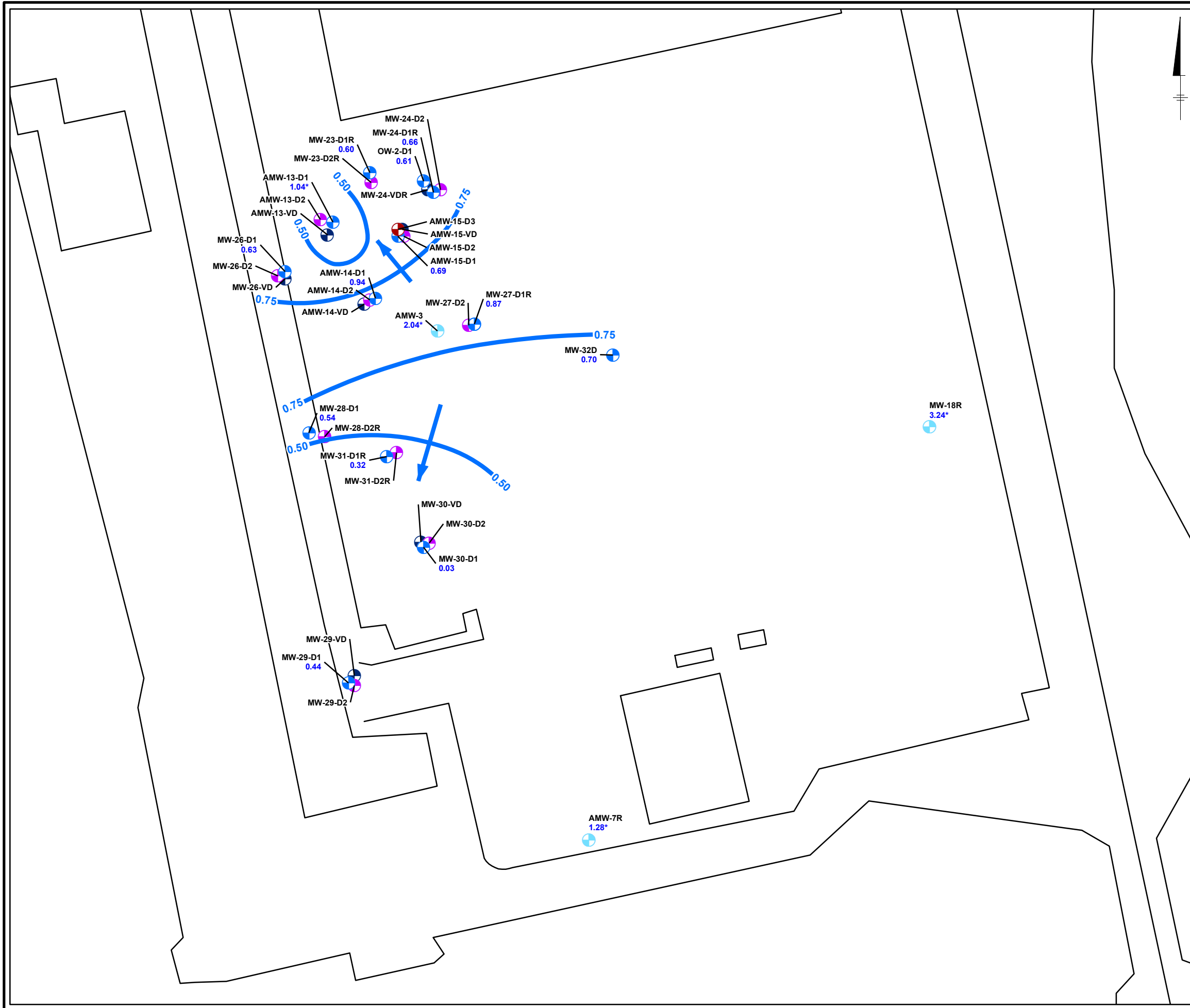
NOTE:

- 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: msl01059
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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

0 70 140 Feet

GRAPHIC SCALE

NOTE:

1. THE WELLS WERE GAUGED DURING HIGH TIDE.

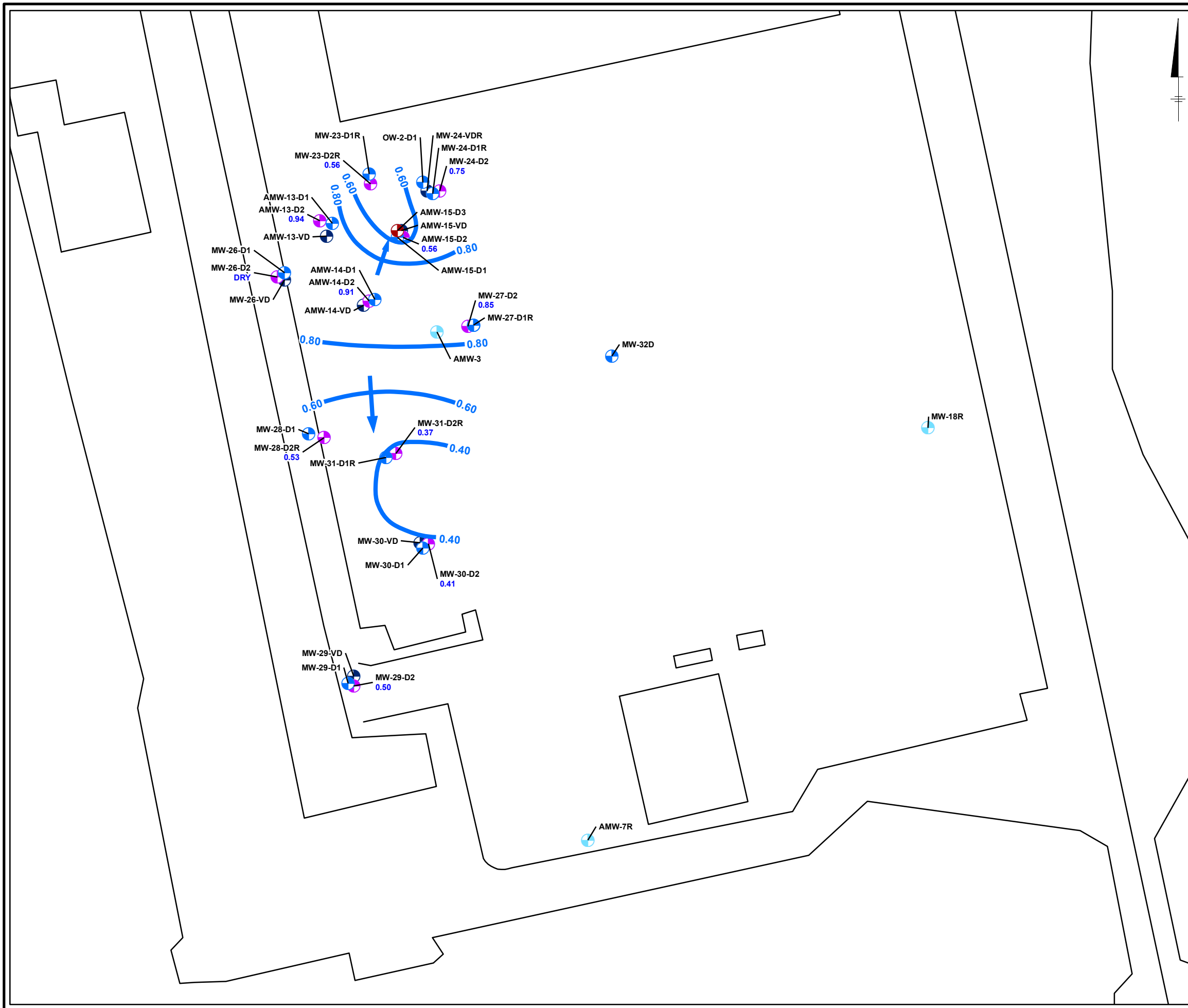
CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

**D1 HORIZON GROUNDWATER
CONTOUR MAP
NOVEMBER 28, 2022**

ARCADIS

**FIGURE
3**

City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: msi01059
T:_ENV\Chevron_Oceanside_NY\4Q2022Report\WXD\GW_d2\Horizon_ContourMapNovember2022.mxd 2/10/2023 4:38:05 PM



NEW YORK

SITE LOCATION

LEGEND:

- SHALLOW FILL UNIT MONITORING WELLS
- D1 HORIZON MONITORING WELLS
- D2 HORIZON MONITORING WELLS
- D3 HORIZON MONITORING WELLS
- VD HORIZON MONITORING WELLS
- GROUNDWATER ELEVATION CONTOUR (NAVD 88)
- APPROXIMATE FLOW DIRECTION
- GROUNDWATER ELEVATION IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

0 70 140 Feet

GRAPHIC SCALE

NOTE:

1. THE WELLS WERE GAUGED DURING HIGH TIDE.

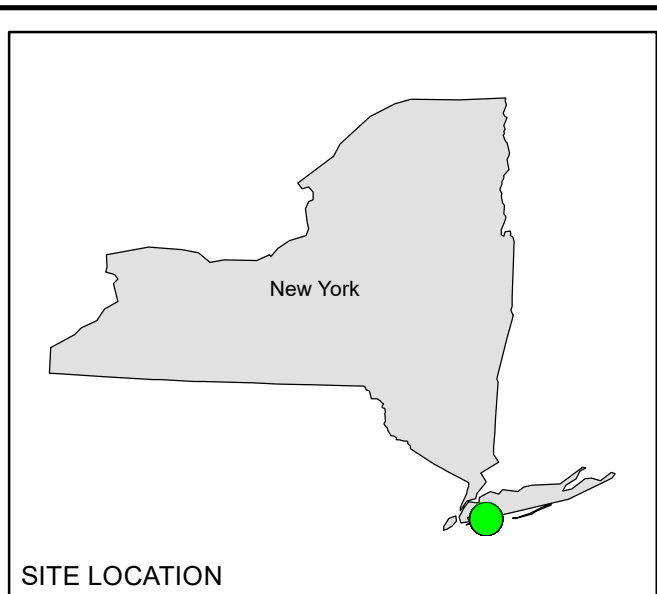
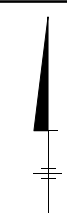
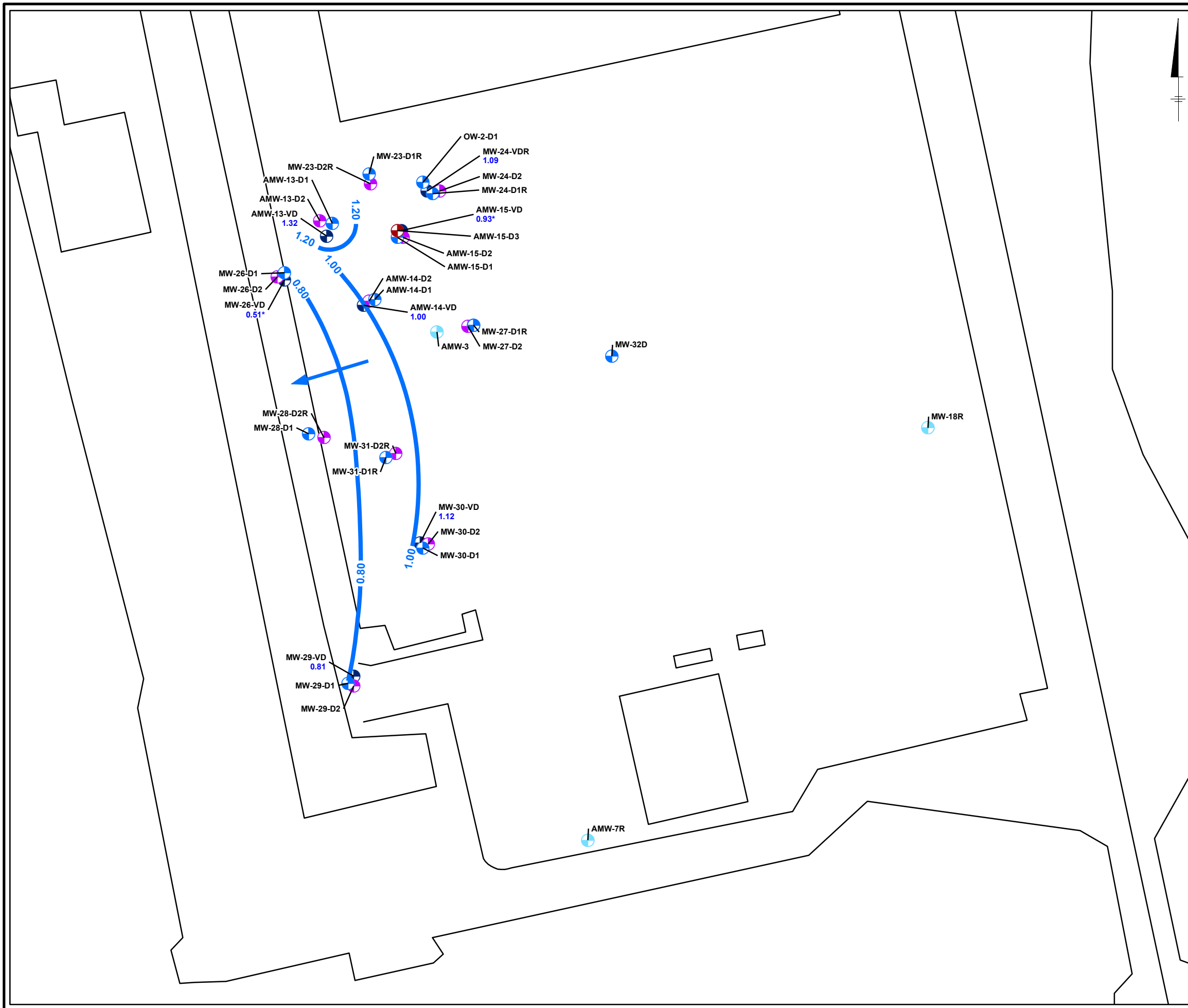
CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

D2 HORIZON GROUNDWATER
CONTOUR MAP
NOVEMBER 28, 2022

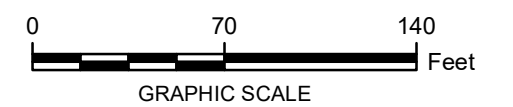
ARCADIS

FIGURE
4

City: SYR Div/Group: IMDY Created By: J.Rapp Last Saved By: msl01059
T:_ENV\Chevron_Oceanside_NY\4Q2022Report\MXD\GW_VD\Horizon_ContourMapNovember2022_V1.mxd 2/10/2023 4:30:03 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 CONTOUR (NAVD 88)
 - NOT USED TO GENERATE CONTOURS



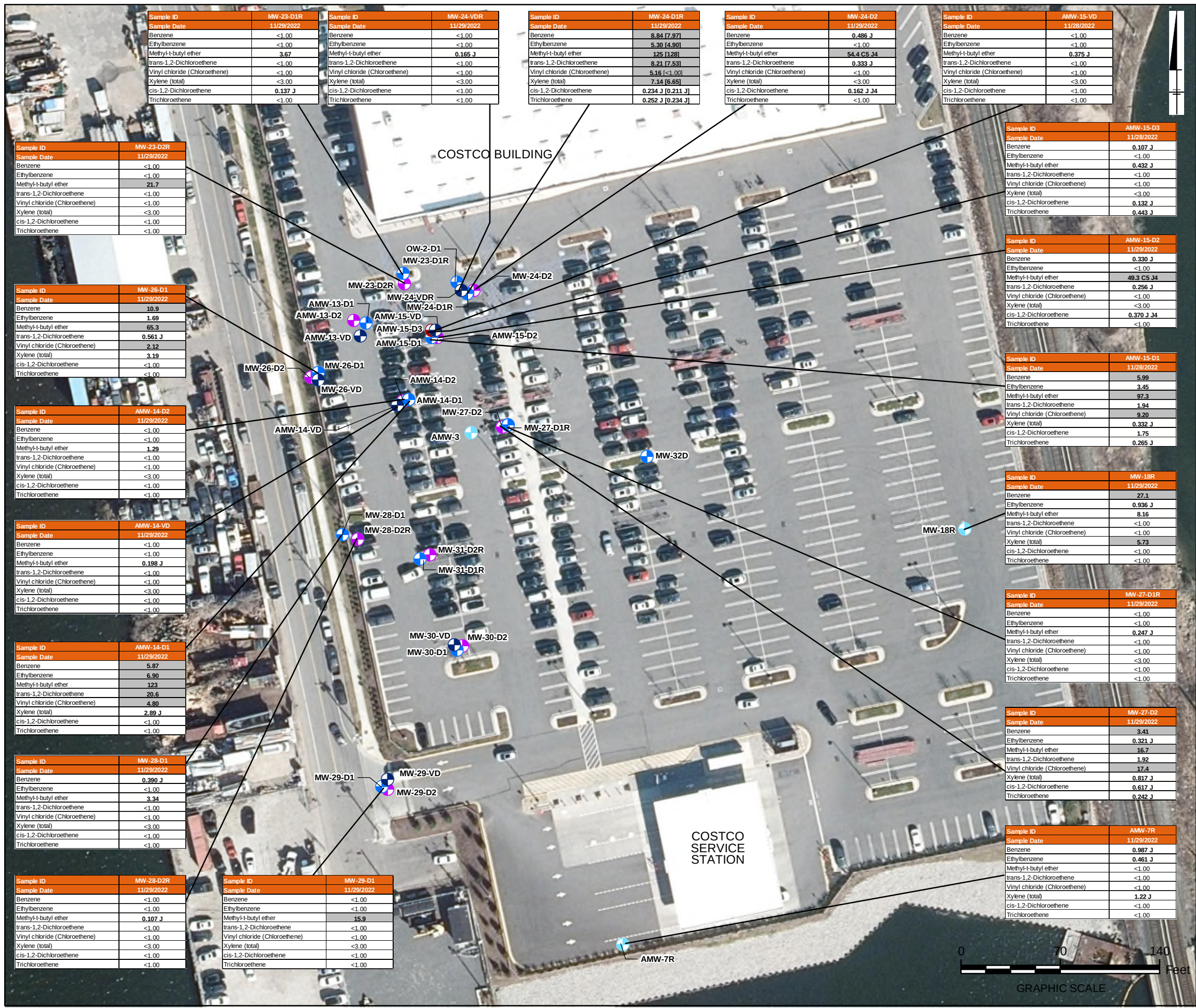
NOTE:
1. THE WELLS WERE GAUGED DURING HIGH TIDE.

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

VD HORIZON GROUNDWATER
CONTOUR MAP
NOVEMBER 28, 2022

ARCADIS

FIGURE
5



New York

SITE LOCATION

LEGEND:

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

Parameter Name	NYDEC TOGS 1.1.1
Benzene	1 ug/L
Ethylbenzene	5 ug/L
Methyl t-butyl ether	10 ug/L
trans-1,2-Dichloroethene	5 ug/L
Vinyl Chloride (Chloroethene)	2 ug/L
Xylene (total)	5 ug/L
cis-1,2-Dichloroethene	5 ug/L
Trichloroethene	5 ug/L

NOTES:

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

CONCENTRATIONS ARE IN MICROGRAMS PER LITER (UG/L)

ID = IDENTIFICATION

NYSDEC = NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

TOGS = NYSDEC TECHNICAL AND OPERATIONAL GUIDANCE SERIES AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES OF JUNE 1998

BOLDED VALUES = COMPOUND DETECTED

GREY SHADED CELLS = CONCENTRATION ABOVE THE TOGS

J = THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE;

THE REPORTED VALUE IS AN ESTIMATE.

J4 = THE ASSOCIATED BATCH QC WAS OUTSIDE THE ESTABLISHED QUALITY CONTROL RANGE FOR ACCURACY.

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

< = LESS THAN INDICATED REPORTING LIMIT

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

**GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 28 AND 29, 2022**

ARCADIS

**FIGURE
6**

ATTACHMENT 1

Groundwater Gauging and Sampling Logs



Date 11/28/22

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

Monitoring Well	Date	Well Diameter (in)	Well Depth (ft btoc)	Top of Casing Elevation (ft)*	Depth to Water (ft btoc)	Depth to Bottom (ft btoc)
AMW-3		2	12.42	9.05	7.01	12.40
AMW-13-D1		2	34.01	9.87	8.83	33.10
AMW-13-D2		2	43.95	9.76	8.82	43.18
AMW-13-VD		2	71.82	9.77	8.45	71.25
OW-2-D1		2	33.95	9.94	9.33	33.82
MW-26-VD		2	68.25	9.99	9.48	64.87
MW-29-D2		2	39.82	5.38	4.88	38.18
MW-29-VD		2	67.22	5.27	4.46	60.30
MW-30-D1		2	30	8.74	8.71	29.97
MW-30-D2		2	46.63	8.72	8.31	40.63
MW-30-VD		4	83.40	8.70	7.58	83.62
MW-31-D1R		2	30.04	8.39	8.07	30.08
MW-31-D2R		2	45.15	8.35	7.98	46.27
MW-32D		2	37.45	8.85	8.15	36.24
- MW-27-D2		2	46.97	9.09	8.24	32.44
- MW-28-D2R		2	46.69	8.40	7.87	46.90
MW-24-D2		2	42.20	10.00	9.25	42.17
MW-24-VDR		2	73.98	9.72	8.63	74.02
AMW-15-VD		2	72.15	9.82	8.89	72.10
AMW-7R		2	14.42	9.95	8.67	13.83
AMW-14-VD		2	75.61	9.25	8.25	75.39
AMW-14-D2		2	43.17	9.37	8.46	42.87
MW-28-D1		2	30.38	8.25	7.71	29.66
MW-26-D2		2	43.76	9.40	Dry	8.34 (fake bottom)
MW-23-D2R		2	44.63	10.52	9.96	45.81
AMW-15-D2		2	36.2	9.71	9.15	35.41 36.92
AMW-15-D3		2	48.6	9.81	9.04	48.65
MW-23-D1R		2	25.78	9.84	9.24	26.67
AMW-15-D1		2	36.2	9.74	9.05	35.81
MW-27-D1R		2	32.99	9.01	8.14	46.45
MW-26-D1		2	28.8	9.95	9.32	20.30
MW-29-D1		2	23.45	5.21	4.77	21.80
MW-18R		2	10.17	7.98	4.74	9.92
AMW-14-D1		2	33.15	9.38	8.44	32.73
MW-24-D1R		2	32.23	9.82	9.16	31.49

Notes:

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

in - inches

ft btoc - Feet below top of casing

ft amsl - Feet above mean sea level

NG - Not gauged

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

First, any order

second, any order

Last, in specified order

DTB after Sampling



Project Name: Chevron Oceanside

Field Personnel: ST + LW

Date:

Weather:

Well ID	Time	pH	Temp (deg C)	Cond (Ms/cm3)	DO (mg/L)	ORP (mV)	Notes
AMW-15-VD	2300	4.39	7.97	41.6	0.69	-37	11/28
AMW-15-D3	2305	10.98	12.51	5.17	0.00	-335	11/28
AMW-15-D1	2330	8.38	8.44	12.64	0.00	-313	11/28
AMW-15-D2	0005	7.86	7.94	13.3	0.28	-291	11/29
AMW-24-VD	0000	7.63	10.84	20.4	6.99	-186	11/29
AMW-24-D2	0050	7.00 13.13	13.1	0.55	-323	11/29	
AMW-24-D1R	0025	7.31	12.05	9.77	1.12	-314	BD 11/29
MW-28-D2R	1930	7.51	12.36	13.2	0.86	-217	11/29 46.40
MW-28-D1	1935	7.64	8.83	5.82	1.22	-194	11/29 29.66
AMW-7R	2000	7.61	14.46	2.07	0.00	-244	11/29 13.83
MW-18R	2030	8.88	13.39	2.67	3.25	-259	11/29 9.92 (FIELD METER, NAICP) NO2W3 AIR SILENCE
MW-23-D1R	2052	8.30	9.82	3.33	1.32	-252	11/29 26.67
MW-26-D1	2055	7.79	11.30	8.39	0.21	-323	11/29 20.30
MW-23-D2R	2110	7.71	12.69	5.67	11.63	-230	11/29 45.81
AMW-14-VD	2143	6.77	8.59	42.7	2.97	-120	11/29 75.39
AMW-14-D2	2150	8.06	10.32	3.33	12.81	-210	11/29 42.87
AMW-14-D1	2205	7.50	9.32	14.5	5.56	-323	11/29 32.73
MW-27-D1R	2235	7.43	9.92	25.0	2.20	-1857	11/29 46.45
MW-27-D2	2240	7.19	7.69	14.4	2.31	-289	11/29 32.49
MW-29-D1	2310	7.95	9.41	4.45	0.65	-285	11/29 21.80

fb

2330

ATTACHMENT 2

Laboratory Analytical Report



Arcadis - Chevron - NY

Sample Delivery Group: L1562195
Samples Received: 11/30/2022
Project Number: 30062947.19.45
Description: POD 4 - Oceanside 6518040
Site: 6518040
Report To: Max Mansilla

Entire Report Reviewed By:



Chris McCord
Project Manager

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

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

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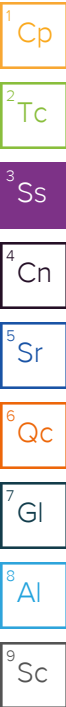
¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

MW-24-D2-W-221129 L1562195-01 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 00:58
Received date/time 11/30/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1968520	1	12/06/22 03:55	12/06/22 03:55	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1967203	1	12/01/22 09:42	12/01/22 09:42	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1967203	1	12/01/22 09:42	12/01/22 09:42	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1967699	10	12/01/22 15:28	12/01/22 15:28	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967304	50	12/02/22 16:22	12/02/22 16:22	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	20	12/01/22 17:10	12/01/22 17:10	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1967711	100	12/01/22 21:30	12/01/22 21:30	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968790	10	12/03/22 18:33	12/03/22 18:33	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1967457	5	12/01/22 13:16	12/01/22 13:16	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	1	12/03/22 14:01	12/06/22 03:55	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	5	12/03/22 14:01	12/07/22 01:00	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969114	1	12/05/22 09:24	12/05/22 09:24	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1968889	1	12/04/22 03:11	12/04/22 03:11	ACG	Mt. Juliet, TN



AMW-15-D2-W-221129 L1562195-02 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 00:05
Received date/time 11/30/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1968520	1	12/06/22 03:58	12/06/22 03:58	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1967204	1	12/01/22 09:41	12/01/22 09:41	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1967204	1	12/01/22 09:41	12/01/22 09:41	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1967699	1	12/01/22 15:30	12/01/22 15:30	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967304	50	12/02/22 16:23	12/02/22 16:23	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	1	12/01/22 17:10	12/01/22 17:10	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1967711	100	12/01/22 21:45	12/01/22 21:45	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968790	10	12/03/22 19:14	12/03/22 19:14	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1967457	5	12/01/22 13:30	12/01/22 13:30	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	1	12/03/22 14:01	12/06/22 03:58	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	5	12/03/22 14:01	12/07/22 01:09	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969114	1	12/05/22 09:27	12/05/22 09:27	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1968889	1	12/04/22 03:30	12/04/22 03:30	ACG	Mt. Juliet, TN

FB-W-221128 L1562195-03 GW

Collected by Shannon Torhan
Collected date/time 11/28/22 23:59
Received date/time 11/30/22 09:30

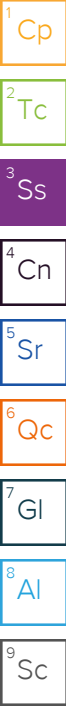
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1968520	1	12/06/22 03:44	12/06/22 03:44	ABL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1967204	1	12/01/22 09:52	12/01/22 09:52	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1967204	1	12/01/22 09:52	12/01/22 09:52	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1967699	1	12/01/22 15:33	12/01/22 15:33	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967304	1	12/02/22 16:24	12/02/22 16:24	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	1	12/01/22 17:11	12/01/22 17:11	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1967711	1	12/01/22 22:01	12/01/22 22:01	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1967457	1	12/01/22 14:21	12/01/22 14:21	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	1	12/03/22 14:01	12/06/22 03:44	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969342	1	12/05/22 13:05	12/05/22 13:05	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1968889	1	12/04/22 02:52	12/04/22 02:52	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

TB-W-221129 L1562195-04 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 00:00
Received date/time 11/30/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1968889	1	12/04/22 01:54	12/04/22 01:54	ACG	Mt. Juliet, TN



MW-24-VDR-W-221129 L1562195-05 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 00:00
Received date/time 11/30/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1968520	1	12/06/22 04:01	12/06/22 04:01	JAR	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1967204	1	12/01/22 09:55	12/01/22 09:55	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1967204	1	12/01/22 09:55	12/01/22 09:55	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1967699	10	12/01/22 15:35	12/01/22 15:35	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967304	1	12/02/22 16:26	12/02/22 16:26	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	1	12/01/22 17:11	12/01/22 17:11	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1967711	1	12/01/22 23:02	12/01/22 23:02	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1967711	5	12/01/22 23:18	12/01/22 23:18	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1967456	1	12/01/22 16:31	12/01/22 16:31	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	1	12/03/22 14:01	12/06/22 04:01	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969342	1	12/05/22 13:11	12/05/22 13:11	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969463	1	12/05/22 14:32	12/05/22 14:32	AV	Mt. Juliet, TN

AMW-15-VD-W-221128 L1562195-06 GW

Collected by Shannon Torhan
Collected date/time 11/28/22 23:00
Received date/time 11/30/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1968520	1	12/06/22 04:04	12/06/22 04:04	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1967204	1	12/01/22 10:04	12/01/22 10:04	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1967204	1	12/01/22 10:04	12/01/22 10:04	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1967699	10	12/01/22 15:39	12/01/22 15:39	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967304	1	12/02/22 16:27	12/02/22 16:27	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1969327	1	12/05/22 11:57	12/05/22 11:57	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1967711	100	12/02/22 00:04	12/02/22 00:04	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1967456	1	12/01/22 17:18	12/01/22 17:18	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	1	12/03/22 14:01	12/06/22 04:04	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	5	12/03/22 14:01	12/07/22 01:12	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969342	1	12/05/22 13:13	12/05/22 13:13	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969463	1	12/05/22 14:51	12/05/22 14:51	AV	Mt. Juliet, TN

AMW-15-D3-W-221128 L1562195-07 GW

Collected by Shannon Torhan
Collected date/time 11/28/22 23:05
Received date/time 11/30/22 09:30

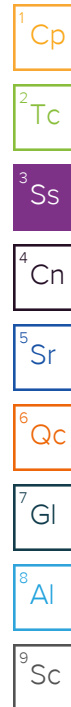
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1968520	1	12/06/22 04:12	12/06/22 04:12	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1967204	1	12/01/22 10:09	12/01/22 10:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1967204	1	12/01/22 10:09	12/01/22 10:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1967699	10	12/01/22 15:40	12/01/22 15:40	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967304	50	12/02/22 16:28	12/02/22 16:28	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1969327	1	12/05/22 11:57	12/05/22 11:57	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1967711	100	12/02/22 00:19	12/02/22 00:19	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1967457	5	12/01/22 14:34	12/01/22 14:34	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	1	12/03/22 14:01	12/06/22 04:12	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	5	12/03/22 14:01	12/07/22 01:15	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969342	1	12/05/22 13:15	12/05/22 13:15	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969463	1	12/05/22 15:11	12/05/22 15:11	AV	Mt. Juliet, TN

SAMPLE SUMMARY

AMW-15-D1-W-221128 L1562195-08 GW

Collected by Shannon Torhan
Collected date/time 11/28/22 23:30
Received date/time 11/30/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1968520	1	12/06/22 04:15	12/06/22 04:15	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1967204	1	12/01/22 10:15	12/01/22 10:15	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1967204	1	12/01/22 10:15	12/01/22 10:15	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1967699	1	12/01/22 15:42	12/01/22 15:42	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967304	50	12/02/22 16:29	12/02/22 16:29	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1969327	1	12/05/22 11:57	12/05/22 11:57	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1967711	1	12/02/22 00:41	12/02/22 00:41	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1967711	100	12/02/22 00:56	12/02/22 00:56	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1967457	5	12/01/22 14:50	12/01/22 14:50	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	1	12/03/22 14:01	12/06/22 04:15	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	5	12/03/22 14:01	12/07/22 01:17	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969342	1	12/05/22 13:17	12/05/22 13:17	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969463	1	12/05/22 15:29	12/05/22 15:29	AV	Mt. Juliet, TN



MW-24-D1R-W-221129 L1562195-09 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 00:25
Received date/time 11/30/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1968520	1	12/06/22 04:18	12/06/22 04:18	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1967204	1	12/01/22 10:21	12/01/22 10:21	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1967204	1	12/01/22 10:21	12/01/22 10:21	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1967699	10	12/01/22 15:43	12/01/22 15:43	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967304	50	12/02/22 16:35	12/02/22 16:35	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1969327	1	12/05/22 11:58	12/05/22 11:58	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1967711	100	12/02/22 01:11	12/02/22 01:11	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968790	10	12/03/22 19:28	12/03/22 19:28	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1967532	5	12/02/22 20:54	12/02/22 20:54	NCJ	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	1	12/03/22 14:01	12/06/22 04:18	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	5	12/03/22 14:01	12/07/22 01:20	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969342	1	12/05/22 13:20	12/05/22 13:20	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969463	1	12/05/22 15:48	12/05/22 15:48	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1970791	5	12/08/22 03:02	12/08/22 03:02	JBE	Mt. Juliet, TN

BD-W-221129 L1562195-10 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 00:00
Received date/time 11/30/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1968520	1	12/06/22 04:21	12/06/22 04:21	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1967204	1	12/01/22 10:36	12/01/22 10:36	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1967204	1	12/01/22 10:36	12/01/22 10:36	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1969545	20	12/05/22 15:21	12/05/22 15:21	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967304	50	12/02/22 16:36	12/02/22 16:36	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1969327	1	12/05/22 11:58	12/05/22 11:58	JAR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968353	10	12/03/22 13:19	12/03/22 13:19	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968353	100	12/03/22 02:39	12/03/22 02:39	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1967532	1	12/02/22 21:20	12/02/22 21:20	NCJ	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	1	12/03/22 14:01	12/06/22 04:21	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1968520	5	12/03/22 14:01	12/07/22 01:23	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969342	1	12/05/22 13:25	12/05/22 13:25	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969463	1	12/05/22 16:07	12/05/22 16:07	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1970791	5	12/08/22 03:21	12/08/22 03:21	JBE	Mt. Juliet, TN

SAMPLE SUMMARY

TB-W-221129 L1562195-12 GW

Collected by
Shannon Torhan

Collected date/time
11/29/22 00:00

Received date/time
11/30/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1968889	1	12/04/22 02:13	12/04/22 02:13	ACG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

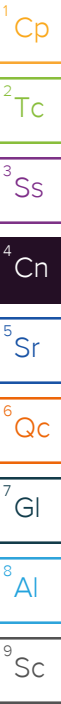
⁹Sc

CASE NARRATIVE

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



Chris McCord
Project Manager



Sample Delivery Group (SDG) Narrative

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

Batch	Method	Lab Sample ID
WG1967203	4500CO2 D-2011	L1562195-01
WG1967204	4500CO2 D-2011	L1562195-02, 03, 05, 06, 07, 08, 09, 10
WG1967699	3500Fe B-2011	L1562195-01, 02, 03, 05, 06, 07, 08, 09
WG1968520	Calc.	L1562195-01, 02, 03, 06, 07, 08, 09, 10
WG1969545	3500Fe B-2011	L1562195-10

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

Batch	Method	Lab Sample ID
WG1967457	9060A	L1562195-07, 08

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

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1967203	Free Carbon Dioxide	L1562195-01
WG1967204	Free Carbon Dioxide	L1562195-02, 06, 07, 08, 09, 10

Wet Chemistry by Method 3500Fe B-2011

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

Batch	Lab Sample ID	Analytes
WG1967699	(DUP) R3867238-4	Ferrous Iron

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
WG1967875	(MS) R3867253-3, (MSD) R3867253-4, L1562195-05	Sulfide

CASE NARRATIVE

Wet Chemistry by Method 9060A

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1967456	TOC (Total Organic Carbon)	L1562195-05
WG1967457	TOC (Total Organic Carbon)	L1562195-01, 02, 03, 07

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

Batch	Lab Sample ID	Analytes
WG1967532	(DUP) R3867883-5	TOC (Total Organic Carbon)

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

Batch	Lab Sample ID	Analytes
WG1967457	(MS) R3867326-5, (MSD) R3867326-6	TOC (Total Organic Carbon)

Volatile Organic Compounds (GC) by Method RSK175

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

Batch	Lab Sample ID	Analytes
WG1969342	(MSD) R3868301-6	Methane

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.

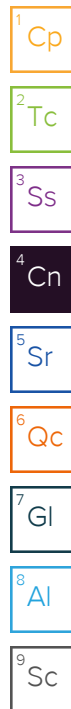
Batch	Lab Sample ID	Analytes
WG1968889	L1562195-01	Carbon disulfide
WG1968889	L1562195-02	Carbon disulfide
WG1968889	L1562195-03	Carbon disulfide
WG1968889	L1562195-04	Carbon disulfide
WG1968889	L1562195-12	Carbon disulfide
WG1969463	L1562195-05	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969463	L1562195-06	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969463	L1562195-07	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969463	L1562195-08	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969463	L1562195-09	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969463	L1562195-10	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene

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
WG1968889	L1562195-01	Methyl tert-butyl ether
WG1968889	L1562195-02	Methyl tert-butyl ether
WG1969463	L1562195-08	Methyl Cyclohexane

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

Batch	Lab Sample ID	Analytes
WG1968889	(LCS) R3869180-1, L1562195-01, 02, 03, 04, 12	Bromochloromethane, Bromodichloromethane, cis-1,2-Dichloroethene and Methyl tert-butyl ether
WG1969463	(LCS) R3869266-1, L1562195-05, 06, 07, 08, 09, 10	Acetone



Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	830	T8	18.0	100	1	12/06/2022 03:55	WG1968520

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	662000		20000	1	12/01/2022 09:42		WG1967203
Free Carbon Dioxide	90600	B T8	20000	1	12/01/2022 09:42		WG1967203

Sample Narrative:

L1562195-01 WG1967203: Endpoint pH 4.5 Heaspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	U	T8	150	500	10	12/01/2022 15:28	WG1967699

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2500	5000	50	12/02/2022 16:22	WG1967304

Sample Narrative:

L1562195-01 WG1967304: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	16200		500	1000	20	12/01/2022 17:10	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	3380000		37900	100000	100	12/01/2022 21:30	WG1967711
Sulfate	319000		5940	50000	10	12/03/2022 18:33	WG1968790

Wet Chemistry by Method 9060A

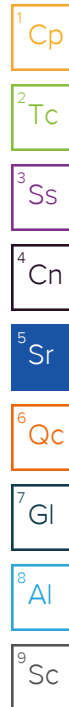
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14500	B	510	5000	5	12/01/2022 13:16	WG1967457

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	830		18.0	100	1	12/06/2022 03:55	WG1968520
Manganese	62.8		0.934	10.0	1	12/06/2022 03:55	WG1968520
Sodium	2010000		2520	15000	5	12/07/2022 01:00	WG1968520

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1310		2.91	10.0	1	12/05/2022 09:24	WG1969114
Ethane	U		4.07	13.0	1	12/05/2022 09:24	WG1969114



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	U		4.26	13.0	1	12/05/2022 09:24	WG1969114

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	12/04/2022 03:11	WG1968889
Benzene	0.486	J	0.0941	1.00	1	12/04/2022 03:11	WG1968889
Bromochloromethane	U	J4	0.128	1.00	1	12/04/2022 03:11	WG1968889
Bromodichloromethane	U	J4	0.136	1.00	1	12/04/2022 03:11	WG1968889
Bromoform	U		0.129	1.00	1	12/04/2022 03:11	WG1968889
Bromomethane	U		0.605	5.00	1	12/04/2022 03:11	WG1968889
Carbon disulfide	0.796	C3 J	0.0962	1.00	1	12/04/2022 03:11	WG1968889
Carbon tetrachloride	U		0.128	1.00	1	12/04/2022 03:11	WG1968889
Chlorobenzene	U		0.116	1.00	1	12/04/2022 03:11	WG1968889
Chlorodibromomethane	U		0.140	1.00	1	12/04/2022 03:11	WG1968889
Chloroethane	U		0.192	5.00	1	12/04/2022 03:11	WG1968889
Chloroform	U		0.111	5.00	1	12/04/2022 03:11	WG1968889
Chloromethane	U		0.960	2.50	1	12/04/2022 03:11	WG1968889
Cyclohexane	U		0.188	1.00	1	12/04/2022 03:11	WG1968889
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/04/2022 03:11	WG1968889
1,2-Dibromoethane	U		0.126	1.00	1	12/04/2022 03:11	WG1968889
1,2-Dichlorobenzene	U		0.107	1.00	1	12/04/2022 03:11	WG1968889
1,3-Dichlorobenzene	U		0.110	1.00	1	12/04/2022 03:11	WG1968889
1,4-Dichlorobenzene	U		0.120	1.00	1	12/04/2022 03:11	WG1968889
Dichlorodifluoromethane	U		0.374	5.00	1	12/04/2022 03:11	WG1968889
1,1-Dichloroethane	0.122	J	0.100	1.00	1	12/04/2022 03:11	WG1968889
1,2-Dichloroethane	U		0.0819	1.00	1	12/04/2022 03:11	WG1968889
1,1-Dichloroethene	U		0.188	1.00	1	12/04/2022 03:11	WG1968889
cis-1,2-Dichloroethene	0.162	J J4	0.126	1.00	1	12/04/2022 03:11	WG1968889
trans-1,2-Dichloroethene	0.333	J	0.149	1.00	1	12/04/2022 03:11	WG1968889
1,2-Dichloropropane	U		0.149	1.00	1	12/04/2022 03:11	WG1968889
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/04/2022 03:11	WG1968889
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/04/2022 03:11	WG1968889
Ethylbenzene	U		0.137	1.00	1	12/04/2022 03:11	WG1968889
2-Hexanone	U		0.787	10.0	1	12/04/2022 03:11	WG1968889
Isopropylbenzene	0.143	J	0.105	1.00	1	12/04/2022 03:11	WG1968889
2-Butanone (MEK)	U		1.19	10.0	1	12/04/2022 03:11	WG1968889
Methyl Acetate	U		1.29	20.0	1	12/04/2022 03:11	WG1968889
Methyl Cyclohexane	U		0.660	1.00	1	12/04/2022 03:11	WG1968889
Methylene Chloride	U		0.430	5.00	1	12/04/2022 03:11	WG1968889
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/04/2022 03:11	WG1968889
Methyl tert-butyl ether	54.4	C5 J4	0.101	1.00	1	12/04/2022 03:11	WG1968889
Styrene	U		0.118	1.00	1	12/04/2022 03:11	WG1968889
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/04/2022 03:11	WG1968889
Tetrachloroethene	U		0.300	1.00	1	12/04/2022 03:11	WG1968889
Toluene	U		0.278	1.00	1	12/04/2022 03:11	WG1968889
1,2,3-Trichlorobenzene	U		0.230	1.00	1	12/04/2022 03:11	WG1968889
1,2,4-Trichlorobenzene	U		0.481	1.00	1	12/04/2022 03:11	WG1968889
1,1,1-Trichloroethane	U		0.149	1.00	1	12/04/2022 03:11	WG1968889
1,1,2-Trichloroethane	U		0.158	1.00	1	12/04/2022 03:11	WG1968889
Trichloroethene	U		0.190	1.00	1	12/04/2022 03:11	WG1968889
Trichlorofluoromethane	U		0.160	5.00	1	12/04/2022 03:11	WG1968889
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/04/2022 03:11	WG1968889
Vinyl chloride	U		0.234	1.00	1	12/04/2022 03:11	WG1968889
Xylenes, Total	U		0.174	3.00	1	12/04/2022 03:11	WG1968889
(S) Toluene-d8	107			80.0-120		12/04/2022 03:11	WG1968889

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	100			77.0-126		12/04/2022 03:11	WG1968889
(S) 1,2-Dichloroethane-d4	89.1			70.0-130		12/04/2022 03:11	WG1968889

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U	T8	15.0	50.0	1	12/06/2022 03:58	WG1968520

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	574000		20000	1	12/01/2022 09:41	WG1967204	
Free Carbon Dioxide	70600	B T8	20000	1	12/01/2022 09:41	WG1967204	

Sample Narrative:

L1562195-02 WG1967204: Endpoint pH 4.5 headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	907	T8	15.0	50.0	1	12/01/2022 15:30	WG1967699

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2500	5000	50	12/02/2022 16:23	WG1967304

Sample Narrative:

L1562195-02 WG1967304: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	107		25.0	50.0	1	12/01/2022 17:10	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2820000		37900	100000	100	12/01/2022 21:45	WG1967711
Sulfate	244000		5940	50000	10	12/03/2022 19:14	WG1968790

Wet Chemistry by Method 9060A

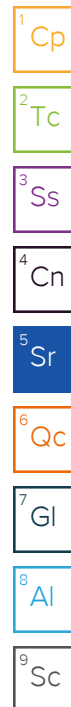
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	11800	B	510	5000	5	12/01/2022 13:30	WG1967457

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	511		18.0	100	1	12/06/2022 03:58	WG1968520
Manganese	75.0		0.934	10.0	1	12/06/2022 03:58	WG1968520
Sodium	1610000		2520	15000	5	12/07/2022 01:09	WG1968520

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	652		2.91	10.0	1	12/05/2022 09:27	WG1969114
Ethane	U		4.07	13.0	1	12/05/2022 09:27	WG1969114



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	U		4.26	13.0	1	12/05/2022 09:27	WG1969114

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	12/04/2022 03:30	WG1968889
Benzene	0.330	J	0.0941	1.00	1	12/04/2022 03:30	WG1968889
Bromochloromethane	U	J4	0.128	1.00	1	12/04/2022 03:30	WG1968889
Bromodichloromethane	U	J4	0.136	1.00	1	12/04/2022 03:30	WG1968889
Bromoform	U		0.129	1.00	1	12/04/2022 03:30	WG1968889
Bromomethane	U		0.605	5.00	1	12/04/2022 03:30	WG1968889
Carbon disulfide	0.159	C3 J	0.0962	1.00	1	12/04/2022 03:30	WG1968889
Carbon tetrachloride	U		0.128	1.00	1	12/04/2022 03:30	WG1968889
Chlorobenzene	U		0.116	1.00	1	12/04/2022 03:30	WG1968889
Chlorodibromomethane	U		0.140	1.00	1	12/04/2022 03:30	WG1968889
Chloroethane	U		0.192	5.00	1	12/04/2022 03:30	WG1968889
Chloroform	U		0.111	5.00	1	12/04/2022 03:30	WG1968889
Chloromethane	U		0.960	2.50	1	12/04/2022 03:30	WG1968889
Cyclohexane	U		0.188	1.00	1	12/04/2022 03:30	WG1968889
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/04/2022 03:30	WG1968889
1,2-Dibromoethane	U		0.126	1.00	1	12/04/2022 03:30	WG1968889
1,2-Dichlorobenzene	U		0.107	1.00	1	12/04/2022 03:30	WG1968889
1,3-Dichlorobenzene	U		0.110	1.00	1	12/04/2022 03:30	WG1968889
1,4-Dichlorobenzene	U		0.120	1.00	1	12/04/2022 03:30	WG1968889
Dichlorodifluoromethane	U		0.374	5.00	1	12/04/2022 03:30	WG1968889
1,1-Dichloroethane	U		0.100	1.00	1	12/04/2022 03:30	WG1968889
1,2-Dichloroethane	U		0.0819	1.00	1	12/04/2022 03:30	WG1968889
1,1-Dichloroethene	U		0.188	1.00	1	12/04/2022 03:30	WG1968889
cis-1,2-Dichloroethene	0.370	J J4	0.126	1.00	1	12/04/2022 03:30	WG1968889
trans-1,2-Dichloroethene	0.256	J	0.149	1.00	1	12/04/2022 03:30	WG1968889
1,2-Dichloropropane	U		0.149	1.00	1	12/04/2022 03:30	WG1968889
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/04/2022 03:30	WG1968889
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/04/2022 03:30	WG1968889
Ethylbenzene	U		0.137	1.00	1	12/04/2022 03:30	WG1968889
2-Hexanone	U		0.787	10.0	1	12/04/2022 03:30	WG1968889
Isopropylbenzene	U		0.105	1.00	1	12/04/2022 03:30	WG1968889
2-Butanone (MEK)	U		1.19	10.0	1	12/04/2022 03:30	WG1968889
Methyl Acetate	U		1.29	20.0	1	12/04/2022 03:30	WG1968889
Methyl Cyclohexane	U		0.660	1.00	1	12/04/2022 03:30	WG1968889
Methylene Chloride	U		0.430	5.00	1	12/04/2022 03:30	WG1968889
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/04/2022 03:30	WG1968889
Methyl tert-butyl ether	49.3	C5 J4	0.101	1.00	1	12/04/2022 03:30	WG1968889
Styrene	U		0.118	1.00	1	12/04/2022 03:30	WG1968889
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/04/2022 03:30	WG1968889
Tetrachloroethene	U		0.300	1.00	1	12/04/2022 03:30	WG1968889
Toluene	U		0.278	1.00	1	12/04/2022 03:30	WG1968889
1,2,3-Trichlorobenzene	U		0.230	1.00	1	12/04/2022 03:30	WG1968889
1,2,4-Trichlorobenzene	U		0.481	1.00	1	12/04/2022 03:30	WG1968889
1,1,1-Trichloroethane	U		0.149	1.00	1	12/04/2022 03:30	WG1968889
1,1,2-Trichloroethane	U		0.158	1.00	1	12/04/2022 03:30	WG1968889
Trichloroethene	U		0.190	1.00	1	12/04/2022 03:30	WG1968889
Trichlorofluoromethane	U		0.160	5.00	1	12/04/2022 03:30	WG1968889
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/04/2022 03:30	WG1968889
Vinyl chloride	U		0.234	1.00	1	12/04/2022 03:30	WG1968889
Xylenes, Total	U		0.174	3.00	1	12/04/2022 03:30	WG1968889
(S) Toluene-d8	104			80.0-120		12/04/2022 03:30	WG1968889

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	101			77.0-126		12/04/2022 03:30	WG1968889
(S) 1,2-Dichloroethane-d4	91.5			70.0-130		12/04/2022 03:30	WG1968889

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U	<u>T8</u>	15.0	50.0	1	12/06/2022 03:44	WG1968520

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	U		20000	1	12/01/2022 09:52	WG1967204	
Free Carbon Dioxide	ND	<u>T8</u>	20000	1	12/01/2022 09:52	WG1967204	

Sample Narrative:

L1562195-03 WG1967204: Endpoint pH 4.5 headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	U	<u>T8</u>	15.0	50.0	1	12/01/2022 15:33	WG1967699

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	12/02/2022 16:24	WG1967304

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	12/01/2022 17:11	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	570	<u>J</u>	379	1000	1	12/01/2022 22:01	WG1967711
Sulfate	U		594	5000	1	12/01/2022 22:01	WG1967711

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	333	<u>B J</u>	102	1000	1	12/01/2022 14:21	WG1967457

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	U		18.0	100	1	12/06/2022 03:44	WG1968520
Manganese	U		0.934	10.0	1	12/06/2022 03:44	WG1968520
Sodium	U		504	3000	1	12/06/2022 03:44	WG1968520

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		2.91	10.0	1	12/05/2022 13:05	WG1969342
Ethane	U		4.07	13.0	1	12/05/2022 13:05	WG1969342
Ethene	U		4.26	13.0	1	12/05/2022 13:05	WG1969342

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	12/04/2022 02:52	WG1968889
Benzene	U		0.0941	1.00	1	12/04/2022 02:52	WG1968889
Bromochloromethane	U	J4	0.128	1.00	1	12/04/2022 02:52	WG1968889
Bromodichloromethane	U	J4	0.136	1.00	1	12/04/2022 02:52	WG1968889
Bromoform	U		0.129	1.00	1	12/04/2022 02:52	WG1968889
Bromomethane	U		0.605	5.00	1	12/04/2022 02:52	WG1968889
Carbon disulfide	U	C3	0.0962	1.00	1	12/04/2022 02:52	WG1968889
Carbon tetrachloride	U		0.128	1.00	1	12/04/2022 02:52	WG1968889
Chlorobenzene	U		0.116	1.00	1	12/04/2022 02:52	WG1968889
Chlorodibromomethane	U		0.140	1.00	1	12/04/2022 02:52	WG1968889
Chloroethane	U		0.192	5.00	1	12/04/2022 02:52	WG1968889
Chloroform	U		0.111	5.00	1	12/04/2022 02:52	WG1968889
Chloromethane	U		0.960	2.50	1	12/04/2022 02:52	WG1968889
Cyclohexane	U		0.188	1.00	1	12/04/2022 02:52	WG1968889
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/04/2022 02:52	WG1968889
1,2-Dibromoethane	U		0.126	1.00	1	12/04/2022 02:52	WG1968889
1,2-Dichlorobenzene	U		0.107	1.00	1	12/04/2022 02:52	WG1968889
1,3-Dichlorobenzene	U		0.110	1.00	1	12/04/2022 02:52	WG1968889
1,4-Dichlorobenzene	U		0.120	1.00	1	12/04/2022 02:52	WG1968889
Dichlorodifluoromethane	U		0.374	5.00	1	12/04/2022 02:52	WG1968889
1,1-Dichloroethane	U		0.100	1.00	1	12/04/2022 02:52	WG1968889
1,2-Dichloroethane	U		0.0819	1.00	1	12/04/2022 02:52	WG1968889
1,1-Dichloroethene	U		0.188	1.00	1	12/04/2022 02:52	WG1968889
cis-1,2-Dichloroethene	U	J4	0.126	1.00	1	12/04/2022 02:52	WG1968889
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/04/2022 02:52	WG1968889
1,2-Dichloropropane	U		0.149	1.00	1	12/04/2022 02:52	WG1968889
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/04/2022 02:52	WG1968889
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/04/2022 02:52	WG1968889
Ethylbenzene	U		0.137	1.00	1	12/04/2022 02:52	WG1968889
2-Hexanone	U		0.787	10.0	1	12/04/2022 02:52	WG1968889
Isopropylbenzene	U		0.105	1.00	1	12/04/2022 02:52	WG1968889
2-Butanone (MEK)	U		1.19	10.0	1	12/04/2022 02:52	WG1968889
Methyl Acetate	U		1.29	20.0	1	12/04/2022 02:52	WG1968889
Methyl Cyclohexane	U		0.660	1.00	1	12/04/2022 02:52	WG1968889
Methylene Chloride	U		0.430	5.00	1	12/04/2022 02:52	WG1968889
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/04/2022 02:52	WG1968889
Methyl tert-butyl ether	U	J4	0.101	1.00	1	12/04/2022 02:52	WG1968889
Styrene	U		0.118	1.00	1	12/04/2022 02:52	WG1968889
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/04/2022 02:52	WG1968889
Tetrachloroethene	U		0.300	1.00	1	12/04/2022 02:52	WG1968889
Toluene	U		0.278	1.00	1	12/04/2022 02:52	WG1968889
1,2,3-Trichlorobenzene	U		0.230	1.00	1	12/04/2022 02:52	WG1968889
1,2,4-Trichlorobenzene	U		0.481	1.00	1	12/04/2022 02:52	WG1968889
1,1,1-Trichloroethane	U		0.149	1.00	1	12/04/2022 02:52	WG1968889
1,1,2-Trichloroethane	U		0.158	1.00	1	12/04/2022 02:52	WG1968889
Trichloroethene	U		0.190	1.00	1	12/04/2022 02:52	WG1968889
Trichlorofluoromethane	U		0.160	5.00	1	12/04/2022 02:52	WG1968889
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/04/2022 02:52	WG1968889
Vinyl chloride	U		0.234	1.00	1	12/04/2022 02:52	WG1968889
Xylenes, Total	U		0.174	3.00	1	12/04/2022 02:52	WG1968889
(S) Toluene-d8	102			80.0-120		12/04/2022 02:52	WG1968889
(S) 4-Bromofluorobenzene	101			77.0-126		12/04/2022 02:52	WG1968889
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		12/04/2022 02:52	WG1968889

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	12/04/2022 01:54	WG1968889
Benzene	U		0.0941	1.00	1	12/04/2022 01:54	WG1968889
Bromochloromethane	U	J4	0.128	1.00	1	12/04/2022 01:54	WG1968889
Bromodichloromethane	U	J4	0.136	1.00	1	12/04/2022 01:54	WG1968889
Bromoform	U		0.129	1.00	1	12/04/2022 01:54	WG1968889
Bromomethane	U		0.605	5.00	1	12/04/2022 01:54	WG1968889
Carbon disulfide	U	C3	0.0962	1.00	1	12/04/2022 01:54	WG1968889
Carbon tetrachloride	U		0.128	1.00	1	12/04/2022 01:54	WG1968889
Chlorobenzene	U		0.116	1.00	1	12/04/2022 01:54	WG1968889
Chlorodibromomethane	U		0.140	1.00	1	12/04/2022 01:54	WG1968889
Chloroethane	U		0.192	5.00	1	12/04/2022 01:54	WG1968889
Chloroform	U		0.111	5.00	1	12/04/2022 01:54	WG1968889
Chloromethane	U		0.960	2.50	1	12/04/2022 01:54	WG1968889
Cyclohexane	U		0.188	1.00	1	12/04/2022 01:54	WG1968889
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/04/2022 01:54	WG1968889
1,2-Dibromoethane	U		0.126	1.00	1	12/04/2022 01:54	WG1968889
1,2-Dichlorobenzene	U		0.107	1.00	1	12/04/2022 01:54	WG1968889
1,3-Dichlorobenzene	U		0.110	1.00	1	12/04/2022 01:54	WG1968889
1,4-Dichlorobenzene	U		0.120	1.00	1	12/04/2022 01:54	WG1968889
Dichlorodifluoromethane	U		0.374	5.00	1	12/04/2022 01:54	WG1968889
1,1-Dichloroethane	U		0.100	1.00	1	12/04/2022 01:54	WG1968889
1,2-Dichloroethane	U		0.0819	1.00	1	12/04/2022 01:54	WG1968889
1,1-Dichloroethene	U		0.188	1.00	1	12/04/2022 01:54	WG1968889
cis-1,2-Dichloroethene	U	J4	0.126	1.00	1	12/04/2022 01:54	WG1968889
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/04/2022 01:54	WG1968889
1,2-Dichloropropane	U		0.149	1.00	1	12/04/2022 01:54	WG1968889
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/04/2022 01:54	WG1968889
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/04/2022 01:54	WG1968889
Ethylbenzene	U		0.137	1.00	1	12/04/2022 01:54	WG1968889
2-Hexanone	U		0.787	10.0	1	12/04/2022 01:54	WG1968889
Isopropylbenzene	U		0.105	1.00	1	12/04/2022 01:54	WG1968889
2-Butanone (MEK)	U		1.19	10.0	1	12/04/2022 01:54	WG1968889
Methyl Acetate	U		1.29	20.0	1	12/04/2022 01:54	WG1968889
Methyl Cyclohexane	U		0.660	1.00	1	12/04/2022 01:54	WG1968889
Methylene Chloride	U		0.430	5.00	1	12/04/2022 01:54	WG1968889
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/04/2022 01:54	WG1968889
Methyl tert-butyl ether	U	J4	0.101	1.00	1	12/04/2022 01:54	WG1968889
Styrene	U		0.118	1.00	1	12/04/2022 01:54	WG1968889
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/04/2022 01:54	WG1968889
Tetrachloroethene	U		0.300	1.00	1	12/04/2022 01:54	WG1968889
Toluene	U		0.278	1.00	1	12/04/2022 01:54	WG1968889
1,2,3-Trichlorobenzene	U		0.230	1.00	1	12/04/2022 01:54	WG1968889
1,2,4-Trichlorobenzene	U		0.481	1.00	1	12/04/2022 01:54	WG1968889
1,1,1-Trichloroethane	U		0.149	1.00	1	12/04/2022 01:54	WG1968889
1,1,2-Trichloroethane	U		0.158	1.00	1	12/04/2022 01:54	WG1968889
Trichloroethene	U		0.190	1.00	1	12/04/2022 01:54	WG1968889
Trichlorofluoromethane	U		0.160	5.00	1	12/04/2022 01:54	WG1968889
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/04/2022 01:54	WG1968889
Vinyl chloride	U		0.234	1.00	1	12/04/2022 01:54	WG1968889
Xylenes, Total	U		0.174	3.00	1	12/04/2022 01:54	WG1968889
(S) Toluene-d8	105			80.0-120		12/04/2022 01:54	WG1968889
(S) 4-Bromofluorobenzene	99.7			77.0-126		12/04/2022 01:54	WG1968889
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		12/04/2022 01:54	WG1968889

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	12/06/2022 04:01	WG1968520

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	71300		20000	1	12/01/2022 09:55	WG1967204	
Free Carbon Dioxide	ND	T8	20000	1	12/01/2022 09:55	WG1967204	

Sample Narrative:

L1562195-05 WG1967204: Endpoint pH 4.5 headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	899	T8	150	500	10	12/01/2022 15:35	WG1967699

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	12/02/2022 16:26	WG1967304

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	12/01/2022 17:11	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	273000		1900	5000	5	12/01/2022 23:18	WG1967711
Sulfate	32900		594	5000	1	12/01/2022 23:02	WG1967711

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1620	B	102	1000	1	12/01/2022 16:31	WG1967456

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	403		18.0	100	1	12/06/2022 04:01	WG1968520
Manganese	6.13	J	0.934	10.0	1	12/06/2022 04:01	WG1968520
Sodium	178000		504	3000	1	12/06/2022 04:01	WG1968520

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	27.8		2.91	10.0	1	12/05/2022 13:11	WG1969342
Ethane	U		4.07	13.0	1	12/05/2022 13:11	WG1969342
Ethene	U		4.26	13.0	1	12/05/2022 13:11	WG1969342

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	12/05/2022 14:32	WG1969463
Benzene	U		0.0941	1.00	1	12/05/2022 14:32	WG1969463
Bromochloromethane	U		0.128	1.00	1	12/05/2022 14:32	WG1969463
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 14:32	WG1969463
Bromoform	U		0.129	1.00	1	12/05/2022 14:32	WG1969463
Bromomethane	U		0.605	5.00	1	12/05/2022 14:32	WG1969463
Carbon disulfide	U		0.0962	1.00	1	12/05/2022 14:32	WG1969463
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 14:32	WG1969463
Chlorobenzene	U		0.116	1.00	1	12/05/2022 14:32	WG1969463
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 14:32	WG1969463
Chloroethane	U		0.192	5.00	1	12/05/2022 14:32	WG1969463
Chloroform	U		0.111	5.00	1	12/05/2022 14:32	WG1969463
Chloromethane	U		0.960	2.50	1	12/05/2022 14:32	WG1969463
Cyclohexane	U		0.188	1.00	1	12/05/2022 14:32	WG1969463
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 14:32	WG1969463
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 14:32	WG1969463
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 14:32	WG1969463
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 14:32	WG1969463
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 14:32	WG1969463
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 14:32	WG1969463
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 14:32	WG1969463
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 14:32	WG1969463
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 14:32	WG1969463
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 14:32	WG1969463
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 14:32	WG1969463
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 14:32	WG1969463
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 14:32	WG1969463
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 14:32	WG1969463
Ethylbenzene	U		0.137	1.00	1	12/05/2022 14:32	WG1969463
2-Hexanone	U		0.787	10.0	1	12/05/2022 14:32	WG1969463
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 14:32	WG1969463
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 14:32	WG1969463
Methyl Acetate	U		1.29	20.0	1	12/05/2022 14:32	WG1969463
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 14:32	WG1969463
Methylene Chloride	U		0.430	5.00	1	12/05/2022 14:32	WG1969463
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 14:32	WG1969463
Methyl tert-butyl ether	0.165	J	0.101	1.00	1	12/05/2022 14:32	WG1969463
Styrene	U		0.118	1.00	1	12/05/2022 14:32	WG1969463
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 14:32	WG1969463
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 14:32	WG1969463
Toluene	U		0.278	1.00	1	12/05/2022 14:32	WG1969463
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 14:32	WG1969463
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 14:32	WG1969463
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 14:32	WG1969463
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 14:32	WG1969463
Trichloroethene	U		0.190	1.00	1	12/05/2022 14:32	WG1969463
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 14:32	WG1969463
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 14:32	WG1969463
Vinyl chloride	U		0.234	1.00	1	12/05/2022 14:32	WG1969463
Xylenes, Total	U		0.174	3.00	1	12/05/2022 14:32	WG1969463
(S) Toluene-d8	92.7			80.0-120		12/05/2022 14:32	WG1969463
(S) 4-Bromofluorobenzene	104			77.0-126		12/05/2022 14:32	WG1969463
(S) 1,2-Dichloroethane-d4	112			70.0-130		12/05/2022 14:32	WG1969463

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	4060	T8	18.0	100	1	12/06/2022 04:04	WG1968520

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	494000		20000	1	12/01/2022 10:04	WG1967204	
Free Carbon Dioxide	30300	B T8	20000	1	12/01/2022 10:04	WG1967204	

Sample Narrative:

L1562195-06 WG1967204: Endpoint pH 4.5 headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	4010	T8	150	500	10	12/01/2022 15:39	WG1967699

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	135		50.0	100	1	12/02/2022 16:27	WG1967304

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	12/05/2022 11:57	WG1969327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	11900000		37900	100000	100	12/02/2022 00:04	WG1967711
Sulfate	1260000		59400	500000	100	12/02/2022 00:04	WG1967711

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7410		102	1000	1	12/01/2022 17:18	WG1967456

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	8060		18.0	100	1	12/06/2022 04:04	WG1968520
Manganese	300		0.934	10.0	1	12/06/2022 04:04	WG1968520
Sodium	4360000		2520	15000	5	12/07/2022 01:12	WG1968520

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	39.5		2.91	10.0	1	12/05/2022 13:13	WG1969342
Ethane	U		4.07	13.0	1	12/05/2022 13:13	WG1969342
Ethene	U		4.26	13.0	1	12/05/2022 13:13	WG1969342

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	12/05/2022 14:51	WG1969463
Benzene	U		0.0941	1.00	1	12/05/2022 14:51	WG1969463
Bromochloromethane	U		0.128	1.00	1	12/05/2022 14:51	WG1969463
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 14:51	WG1969463
Bromoform	U		0.129	1.00	1	12/05/2022 14:51	WG1969463
Bromomethane	U		0.605	5.00	1	12/05/2022 14:51	WG1969463
Carbon disulfide	U		0.0962	1.00	1	12/05/2022 14:51	WG1969463
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 14:51	WG1969463
Chlorobenzene	U		0.116	1.00	1	12/05/2022 14:51	WG1969463
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 14:51	WG1969463
Chloroethane	U		0.192	5.00	1	12/05/2022 14:51	WG1969463
Chloroform	U		0.111	5.00	1	12/05/2022 14:51	WG1969463
Chloromethane	U		0.960	2.50	1	12/05/2022 14:51	WG1969463
Cyclohexane	U		0.188	1.00	1	12/05/2022 14:51	WG1969463
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 14:51	WG1969463
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 14:51	WG1969463
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 14:51	WG1969463
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 14:51	WG1969463
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 14:51	WG1969463
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 14:51	WG1969463
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 14:51	WG1969463
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 14:51	WG1969463
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 14:51	WG1969463
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 14:51	WG1969463
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 14:51	WG1969463
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 14:51	WG1969463
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 14:51	WG1969463
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 14:51	WG1969463
Ethylbenzene	U		0.137	1.00	1	12/05/2022 14:51	WG1969463
2-Hexanone	U		0.787	10.0	1	12/05/2022 14:51	WG1969463
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 14:51	WG1969463
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 14:51	WG1969463
Methyl Acetate	U		1.29	20.0	1	12/05/2022 14:51	WG1969463
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 14:51	WG1969463
Methylene Chloride	U		0.430	5.00	1	12/05/2022 14:51	WG1969463
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 14:51	WG1969463
Methyl tert-butyl ether	0.375	J	0.101	1.00	1	12/05/2022 14:51	WG1969463
Styrene	U		0.118	1.00	1	12/05/2022 14:51	WG1969463
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 14:51	WG1969463
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 14:51	WG1969463
Toluene	U		0.278	1.00	1	12/05/2022 14:51	WG1969463
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 14:51	WG1969463
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 14:51	WG1969463
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 14:51	WG1969463
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 14:51	WG1969463
Trichloroethene	U		0.190	1.00	1	12/05/2022 14:51	WG1969463
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 14:51	WG1969463
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 14:51	WG1969463
Vinyl chloride	U		0.234	1.00	1	12/05/2022 14:51	WG1969463
Xylenes, Total	U		0.174	3.00	1	12/05/2022 14:51	WG1969463
(S) Toluene-d8	92.6			80.0-120		12/05/2022 14:51	WG1969463
(S) 4-Bromofluorobenzene	105			77.0-126		12/05/2022 14:51	WG1969463
(S) 1,2-Dichloroethane-d4	110			70.0-130		12/05/2022 14:51	WG1969463

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U	T8	18.0	100	1	12/06/2022 04:12	WG1968520

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	450000		20000	1	12/01/2022 10:09	WG1967204	
Free Carbon Dioxide	37900	B T8	20000	1	12/01/2022 10:09	WG1967204	

Sample Narrative:

L1562195-07 WG1967204: Endpoint pH 4.5 headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	2150	T8	150	500	10	12/01/2022 15:40	WG1967699

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2500	5000	50	12/02/2022 16:28	WG1967304

Sample Narrative:

L1562195-07 WG1967304: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	12/05/2022 11:57	WG1969327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	6090000		37900	100000	100	12/02/2022 00:19	WG1967711
Sulfate	660000		59400	500000	100	12/02/2022 00:19	WG1967711

Wet Chemistry by Method 9060A

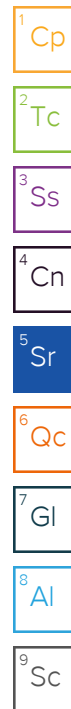
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7820	B	510	5000	5	12/01/2022 14:34	WG1967457

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1310		18.0	100	1	12/06/2022 04:12	WG1968520
Manganese	514		0.934	10.0	1	12/06/2022 04:12	WG1968520
Sodium	2590000		2520	15000	5	12/07/2022 01:15	WG1968520

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	358		2.91	10.0	1	12/05/2022 13:15	WG1969342
Ethane	U		4.07	13.0	1	12/05/2022 13:15	WG1969342



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	U		4.26	13.0	1	12/05/2022 13:15	WG1969342

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	12/05/2022 15:11	WG1969463
Benzene	0.107	J	0.0941	1.00	1	12/05/2022 15:11	WG1969463
Bromochloromethane	U		0.128	1.00	1	12/05/2022 15:11	WG1969463
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 15:11	WG1969463
Bromoform	U		0.129	1.00	1	12/05/2022 15:11	WG1969463
Bromomethane	U		0.605	5.00	1	12/05/2022 15:11	WG1969463
Carbon disulfide	0.456	J	0.0962	1.00	1	12/05/2022 15:11	WG1969463
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 15:11	WG1969463
Chlorobenzene	U		0.116	1.00	1	12/05/2022 15:11	WG1969463
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 15:11	WG1969463
Chloroethane	U		0.192	5.00	1	12/05/2022 15:11	WG1969463
Chloroform	U		0.111	5.00	1	12/05/2022 15:11	WG1969463
Chloromethane	U		0.960	2.50	1	12/05/2022 15:11	WG1969463
Cyclohexane	U		0.188	1.00	1	12/05/2022 15:11	WG1969463
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 15:11	WG1969463
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 15:11	WG1969463
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 15:11	WG1969463
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 15:11	WG1969463
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 15:11	WG1969463
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 15:11	WG1969463
1,1-Dichloroethane	0.147	J	0.100	1.00	1	12/05/2022 15:11	WG1969463
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 15:11	WG1969463
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 15:11	WG1969463
cis-1,2-Dichloroethene	0.132	J	0.126	1.00	1	12/05/2022 15:11	WG1969463
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 15:11	WG1969463
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 15:11	WG1969463
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 15:11	WG1969463
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 15:11	WG1969463
Ethylbenzene	U		0.137	1.00	1	12/05/2022 15:11	WG1969463
2-Hexanone	U		0.787	10.0	1	12/05/2022 15:11	WG1969463
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 15:11	WG1969463
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 15:11	WG1969463
Methyl Acetate	U		1.29	20.0	1	12/05/2022 15:11	WG1969463
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 15:11	WG1969463
Methylene Chloride	U		0.430	5.00	1	12/05/2022 15:11	WG1969463
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 15:11	WG1969463
Methyl tert-butyl ether	0.432	J	0.101	1.00	1	12/05/2022 15:11	WG1969463
Styrene	U		0.118	1.00	1	12/05/2022 15:11	WG1969463
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 15:11	WG1969463
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 15:11	WG1969463
Toluene	U		0.278	1.00	1	12/05/2022 15:11	WG1969463
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 15:11	WG1969463
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 15:11	WG1969463
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 15:11	WG1969463
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 15:11	WG1969463
Trichloroethene	0.443	J	0.190	1.00	1	12/05/2022 15:11	WG1969463
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 15:11	WG1969463
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 15:11	WG1969463
Vinyl chloride	U		0.234	1.00	1	12/05/2022 15:11	WG1969463
Xylenes, Total	U		0.174	3.00	1	12/05/2022 15:11	WG1969463
(S) Toluene-d8	99.5			80.0-120		12/05/2022 15:11	WG1969463

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	92.8			77.0-126		12/05/2022 15:11	WG1969463
(S) 1,2-Dichloroethane-d4	110			70.0-130		12/05/2022 15:11	WG1969463

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	126	T8	15.0	50.0	1	12/06/2022 04:15	WG1968520

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	588000		20000	1	12/01/2022 10:15		WG1967204
Free Carbon Dioxide	40500	B T8	20000	1	12/01/2022 10:15		WG1967204

Sample Narrative:

L1562195-08 WG1967204: Endpoint pH 4.5 headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	304	T8	15.0	50.0	1	12/01/2022 15:42	WG1967699

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2500	5000	50	12/02/2022 16:29	WG1967304

Sample Narrative:

L1562195-08 WG1967304: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	12/05/2022 11:57	WG1969327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2320000		37900	100000	100	12/02/2022 00:56	WG1967711
Sulfate	143000		594	5000	1	12/02/2022 00:41	WG1967711

Wet Chemistry by Method 9060A

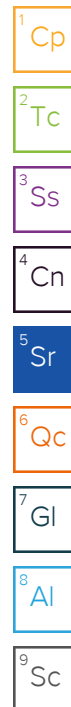
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	28000		510	5000	5	12/01/2022 14:50	WG1967457

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	430		18.0	100	1	12/06/2022 04:15	WG1968520
Manganese	17.6		0.934	10.0	1	12/06/2022 04:15	WG1968520
Sodium	1240000		2520	15000	5	12/07/2022 01:17	WG1968520

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	6370		2.91	10.0	1	12/05/2022 13:17	WG1969342
Ethane	655		4.07	13.0	1	12/05/2022 13:17	WG1969342



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	U		4.26	13.0	1	12/05/2022 13:17	WG1969342

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	12/05/2022 15:29	WG1969463
Benzene	5.99		0.0941	1.00	1	12/05/2022 15:29	WG1969463
Bromochloromethane	U		0.128	1.00	1	12/05/2022 15:29	WG1969463
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 15:29	WG1969463
Bromoform	U		0.129	1.00	1	12/05/2022 15:29	WG1969463
Bromomethane	U		0.605	5.00	1	12/05/2022 15:29	WG1969463
Carbon disulfide	0.248	I4	0.0962	1.00	1	12/05/2022 15:29	WG1969463
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 15:29	WG1969463
Chlorobenzene	U		0.116	1.00	1	12/05/2022 15:29	WG1969463
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 15:29	WG1969463
Chloroethane	U		0.192	5.00	1	12/05/2022 15:29	WG1969463
Chloroform	U		0.111	5.00	1	12/05/2022 15:29	WG1969463
Chloromethane	U		0.960	2.50	1	12/05/2022 15:29	WG1969463
Cyclohexane	0.851	I4	0.188	1.00	1	12/05/2022 15:29	WG1969463
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 15:29	WG1969463
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 15:29	WG1969463
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 15:29	WG1969463
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 15:29	WG1969463
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 15:29	WG1969463
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 15:29	WG1969463
1,1-Dichloroethane	0.557	I4	0.100	1.00	1	12/05/2022 15:29	WG1969463
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 15:29	WG1969463
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 15:29	WG1969463
cis-1,2-Dichloroethene	1.75		0.126	1.00	1	12/05/2022 15:29	WG1969463
trans-1,2-Dichloroethene	1.94		0.149	1.00	1	12/05/2022 15:29	WG1969463
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 15:29	WG1969463
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 15:29	WG1969463
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 15:29	WG1969463
Ethylbenzene	3.45		0.137	1.00	1	12/05/2022 15:29	WG1969463
2-Hexanone	U		0.787	10.0	1	12/05/2022 15:29	WG1969463
Isopropylbenzene	0.465	I4	0.105	1.00	1	12/05/2022 15:29	WG1969463
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 15:29	WG1969463
Methyl Acetate	U		1.29	20.0	1	12/05/2022 15:29	WG1969463
Methyl Cyclohexane	1.06	C5	0.660	1.00	1	12/05/2022 15:29	WG1969463
Methylene Chloride	U		0.430	5.00	1	12/05/2022 15:29	WG1969463
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 15:29	WG1969463
Methyl tert-butyl ether	97.3		0.101	1.00	1	12/05/2022 15:29	WG1969463
Styrene	U		0.118	1.00	1	12/05/2022 15:29	WG1969463
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 15:29	WG1969463
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 15:29	WG1969463
Toluene	U		0.278	1.00	1	12/05/2022 15:29	WG1969463
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 15:29	WG1969463
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 15:29	WG1969463
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 15:29	WG1969463
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 15:29	WG1969463
Trichloroethene	0.265	I4	0.190	1.00	1	12/05/2022 15:29	WG1969463
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 15:29	WG1969463
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 15:29	WG1969463
Vinyl chloride	9.20		0.234	1.00	1	12/05/2022 15:29	WG1969463
Xylenes, Total	0.332	I4	0.174	3.00	1	12/05/2022 15:29	WG1969463
(S) Toluene-d8	92.6			80.0-120		12/05/2022 15:29	WG1969463



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	103			77.0-126		12/05/2022 15:29	WG1969463
(S) 1,2-Dichloroethane-d4	114			70.0-130		12/05/2022 15:29	WG1969463

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	287	T8	18.0	100	1	12/06/2022 04:18	WG1968520

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	415000		20000	1	12/01/2022 10:21		WG1967204
Free Carbon Dioxide	49200	B T8	20000	1	12/01/2022 10:21		WG1967204

Sample Narrative:

L1562195-09 WG1967204: Endpoint pH 4.5 headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	3130	T8	150	500	10	12/01/2022 15:43	WG1967699

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2500	5000	50	12/02/2022 16:35	WG1967304

Sample Narrative:

L1562195-09 WG1967304: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	56.0		25.0	50.0	1	12/05/2022 11:58	WG1969327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1960000		37900	100000	100	12/02/2022 01:11	WG1967711
Sulfate	290000		5940	50000	10	12/03/2022 19:28	WG1968790

Wet Chemistry by Method 9060A

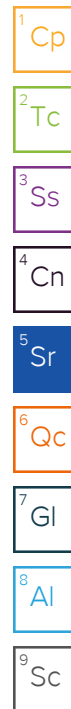
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	26200		510	5000	5	12/02/2022 20:54	WG1967532

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3410		18.0	100	1	12/06/2022 04:18	WG1968520
Manganese	34.4		0.934	10.0	1	12/06/2022 04:18	WG1968520
Sodium	1360000		2520	15000	5	12/07/2022 01:20	WG1968520

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	5770		2.91	10.0	1	12/05/2022 13:20	WG1969342
Ethane	245		4.07	13.0	1	12/05/2022 13:20	WG1969342



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	75.8		4.26	13.0	1	12/05/2022 13:20	WG1969342

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	12/05/2022 15:48	WG1969463
Benzene	8.84		0.0941	1.00	1	12/05/2022 15:48	WG1969463
Bromochloromethane	U		0.128	1.00	1	12/05/2022 15:48	WG1969463
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 15:48	WG1969463
Bromoform	U		0.129	1.00	1	12/05/2022 15:48	WG1969463
Bromomethane	U		0.605	5.00	1	12/05/2022 15:48	WG1969463
Carbon disulfide	0.873	I4	0.0962	1.00	1	12/05/2022 15:48	WG1969463
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 15:48	WG1969463
Chlorobenzene	U		0.116	1.00	1	12/05/2022 15:48	WG1969463
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 15:48	WG1969463
Chloroethane	U		0.192	5.00	1	12/05/2022 15:48	WG1969463
Chloroform	U		0.111	5.00	1	12/05/2022 15:48	WG1969463
Chloromethane	U		0.960	2.50	1	12/05/2022 15:48	WG1969463
Cyclohexane	0.529	I4	0.188	1.00	1	12/05/2022 15:48	WG1969463
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 15:48	WG1969463
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 15:48	WG1969463
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 15:48	WG1969463
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 15:48	WG1969463
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 15:48	WG1969463
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 15:48	WG1969463
1,1-Dichloroethane	0.330	I4	0.100	1.00	1	12/05/2022 15:48	WG1969463
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 15:48	WG1969463
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 15:48	WG1969463
cis-1,2-Dichloroethene	0.234	I4	0.126	1.00	1	12/05/2022 15:48	WG1969463
trans-1,2-Dichloroethene	8.21		0.149	1.00	1	12/05/2022 15:48	WG1969463
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 15:48	WG1969463
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 15:48	WG1969463
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 15:48	WG1969463
Ethylbenzene	5.30		0.137	1.00	1	12/05/2022 15:48	WG1969463
2-Hexanone	U		0.787	10.0	1	12/05/2022 15:48	WG1969463
Isopropylbenzene	0.587	I4	0.105	1.00	1	12/05/2022 15:48	WG1969463
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 15:48	WG1969463
Methyl Acetate	U		1.29	20.0	1	12/05/2022 15:48	WG1969463
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 15:48	WG1969463
Methylene Chloride	U		0.430	5.00	1	12/05/2022 15:48	WG1969463
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 15:48	WG1969463
Methyl tert-butyl ether	125		0.505	5.00	5	12/08/2022 03:02	WG1970791
Styrene	U		0.118	1.00	1	12/05/2022 15:48	WG1969463
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 15:48	WG1969463
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 15:48	WG1969463
Toluene	0.625	I4	0.278	1.00	1	12/05/2022 15:48	WG1969463
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 15:48	WG1969463
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 15:48	WG1969463
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 15:48	WG1969463
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 15:48	WG1969463
Trichloroethene	0.252	I4	0.190	1.00	1	12/05/2022 15:48	WG1969463
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 15:48	WG1969463
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 15:48	WG1969463
Vinyl chloride	5.16		0.234	1.00	1	12/05/2022 15:48	WG1969463
Xylenes, Total	7.14		0.174	3.00	1	12/05/2022 15:48	WG1969463
(S) Toluene-d8	97.0			80.0-120		12/05/2022 15:48	WG1969463



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) Toluene-d8	117			80.0-120		12/08/2022 03:02	WG1970791
(S) 4-Bromofluorobenzene	94.4			77.0-126		12/05/2022 15:48	WG1969463
(S) 4-Bromofluorobenzene	106			77.0-126		12/08/2022 03:02	WG1970791
(S) 1,2-Dichloroethane-d4	110			70.0-130		12/05/2022 15:48	WG1969463
(S) 1,2-Dichloroethane-d4	90.2			70.0-130		12/08/2022 03:02	WG1970791

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	790	T8	18.0	100	1	12/06/2022 04:21	WG1968520

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	375000		20000	1	12/01/2022 10:36		WG1967204
Free Carbon Dioxide	48600	B T8	20000	1	12/01/2022 10:36		WG1967204

Sample Narrative:

L1562195-10 WG1967204: Endpoint pH 4.5 headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	4660	T8	300	1000	20	12/05/2022 15:21	WG1969545

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		2500	5000	50	12/02/2022 16:36	WG1967304

Sample Narrative:

L1562195-10 WG1967304: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	12/05/2022 11:58	WG1969327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2040000		37900	100000	100	12/03/2022 02:39	WG1968353
Sulfate	357000		5940	50000	10	12/03/2022 13:19	WG1968353

Wet Chemistry by Method 9060A

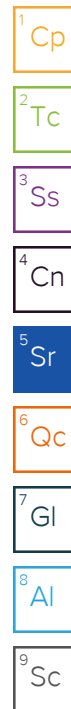
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	32100		102	1000	1	12/02/2022 21:20	WG1967532

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	5450		18.0	100	1	12/06/2022 04:21	WG1968520
Manganese	56.6		0.934	10.0	1	12/06/2022 04:21	WG1968520
Sodium	1340000		2520	15000	5	12/07/2022 01:23	WG1968520

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	4490		2.91	10.0	1	12/05/2022 13:25	WG1969342
Ethane	203		4.07	13.0	1	12/05/2022 13:25	WG1969342



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	53.3		4.26	13.0	1	12/05/2022 13:25	WG1969342

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	11.3	50.0	1	12/05/2022 16:07	WG1969463
Benzene	7.97		0.0941	1.00	1	12/05/2022 16:07	WG1969463
Bromochloromethane	U		0.128	1.00	1	12/05/2022 16:07	WG1969463
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 16:07	WG1969463
Bromoform	U		0.129	1.00	1	12/05/2022 16:07	WG1969463
Bromomethane	U		0.605	5.00	1	12/05/2022 16:07	WG1969463
Carbon disulfide	0.862	I4	0.0962	1.00	1	12/05/2022 16:07	WG1969463
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 16:07	WG1969463
Chlorobenzene	U		0.116	1.00	1	12/05/2022 16:07	WG1969463
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 16:07	WG1969463
Chloroethane	U		0.192	5.00	1	12/05/2022 16:07	WG1969463
Chloroform	U		0.111	5.00	1	12/05/2022 16:07	WG1969463
Chloromethane	U		0.960	2.50	1	12/05/2022 16:07	WG1969463
Cyclohexane	0.497	I4	0.188	1.00	1	12/05/2022 16:07	WG1969463
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 16:07	WG1969463
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 16:07	WG1969463
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 16:07	WG1969463
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 16:07	WG1969463
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 16:07	WG1969463
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 16:07	WG1969463
1,1-Dichloroethane	0.280	I4	0.100	1.00	1	12/05/2022 16:07	WG1969463
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 16:07	WG1969463
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 16:07	WG1969463
cis-1,2-Dichloroethene	0.211	I4	0.126	1.00	1	12/05/2022 16:07	WG1969463
trans-1,2-Dichloroethene	7.53		0.149	1.00	1	12/05/2022 16:07	WG1969463
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 16:07	WG1969463
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 16:07	WG1969463
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 16:07	WG1969463
Ethylbenzene	4.90		0.137	1.00	1	12/05/2022 16:07	WG1969463
2-Hexanone	U		0.787	10.0	1	12/05/2022 16:07	WG1969463
Isopropylbenzene	0.547	I4	0.105	1.00	1	12/05/2022 16:07	WG1969463
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 16:07	WG1969463
Methyl Acetate	U		1.29	20.0	1	12/05/2022 16:07	WG1969463
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 16:07	WG1969463
Methylene Chloride	U		0.430	5.00	1	12/05/2022 16:07	WG1969463
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 16:07	WG1969463
Methyl tert-butyl ether	128		0.505	5.00	5	12/08/2022 03:21	WG1970791
Styrene	U		0.118	1.00	1	12/05/2022 16:07	WG1969463
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 16:07	WG1969463
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 16:07	WG1969463
Toluene	0.582	I4	0.278	1.00	1	12/05/2022 16:07	WG1969463
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 16:07	WG1969463
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 16:07	WG1969463
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 16:07	WG1969463
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 16:07	WG1969463
Trichloroethene	0.234	I4	0.190	1.00	1	12/05/2022 16:07	WG1969463
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 16:07	WG1969463
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 16:07	WG1969463
Vinyl chloride	U		0.234	1.00	1	12/05/2022 16:07	WG1969463
Xylenes, Total	6.65		0.174	3.00	1	12/05/2022 16:07	WG1969463
(S) Toluene-d8	98.9			80.0-120		12/05/2022 16:07	WG1969463

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) Toluene-d8	120			80.0-120		12/08/2022 03:21	WG1970791
(S) 4-Bromofluorobenzene	93.5			77.0-126		12/05/2022 16:07	WG1969463
(S) 4-Bromofluorobenzene	108			77.0-126		12/08/2022 03:21	WG1970791
(S) 1,2-Dichloroethane-d4	108			70.0-130		12/05/2022 16:07	WG1969463
(S) 1,2-Dichloroethane-d4	91.7			70.0-130		12/08/2022 03:21	WG1970791

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	12/04/2022 02:13	WG1968889
Benzene	U		0.0941	1.00	1	12/04/2022 02:13	WG1968889
Bromochloromethane	U	J4	0.128	1.00	1	12/04/2022 02:13	WG1968889
Bromodichloromethane	U	J4	0.136	1.00	1	12/04/2022 02:13	WG1968889
Bromoform	U		0.129	1.00	1	12/04/2022 02:13	WG1968889
Bromomethane	U		0.605	5.00	1	12/04/2022 02:13	WG1968889
Carbon disulfide	U	C3	0.0962	1.00	1	12/04/2022 02:13	WG1968889
Carbon tetrachloride	U		0.128	1.00	1	12/04/2022 02:13	WG1968889
Chlorobenzene	U		0.116	1.00	1	12/04/2022 02:13	WG1968889
Chlorodibromomethane	U		0.140	1.00	1	12/04/2022 02:13	WG1968889
Chloroethane	U		0.192	5.00	1	12/04/2022 02:13	WG1968889
Chloroform	U		0.111	5.00	1	12/04/2022 02:13	WG1968889
Chloromethane	U		0.960	2.50	1	12/04/2022 02:13	WG1968889
Cyclohexane	U		0.188	1.00	1	12/04/2022 02:13	WG1968889
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/04/2022 02:13	WG1968889
1,2-Dibromoethane	U		0.126	1.00	1	12/04/2022 02:13	WG1968889
1,2-Dichlorobenzene	U		0.107	1.00	1	12/04/2022 02:13	WG1968889
1,3-Dichlorobenzene	U		0.110	1.00	1	12/04/2022 02:13	WG1968889
1,4-Dichlorobenzene	U		0.120	1.00	1	12/04/2022 02:13	WG1968889
Dichlorodifluoromethane	U		0.374	5.00	1	12/04/2022 02:13	WG1968889
1,1-Dichloroethane	U		0.100	1.00	1	12/04/2022 02:13	WG1968889
1,2-Dichloroethane	U		0.0819	1.00	1	12/04/2022 02:13	WG1968889
1,1-Dichloroethene	U		0.188	1.00	1	12/04/2022 02:13	WG1968889
cis-1,2-Dichloroethene	U	J4	0.126	1.00	1	12/04/2022 02:13	WG1968889
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/04/2022 02:13	WG1968889
1,2-Dichloropropane	U		0.149	1.00	1	12/04/2022 02:13	WG1968889
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/04/2022 02:13	WG1968889
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/04/2022 02:13	WG1968889
Ethylbenzene	U		0.137	1.00	1	12/04/2022 02:13	WG1968889
2-Hexanone	U		0.787	10.0	1	12/04/2022 02:13	WG1968889
Isopropylbenzene	U		0.105	1.00	1	12/04/2022 02:13	WG1968889
2-Butanone (MEK)	U		1.19	10.0	1	12/04/2022 02:13	WG1968889
Methyl Acetate	U		1.29	20.0	1	12/04/2022 02:13	WG1968889
Methyl Cyclohexane	U		0.660	1.00	1	12/04/2022 02:13	WG1968889
Methylene Chloride	U		0.430	5.00	1	12/04/2022 02:13	WG1968889
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/04/2022 02:13	WG1968889
Methyl tert-butyl ether	U	J4	0.101	1.00	1	12/04/2022 02:13	WG1968889
Styrene	U		0.118	1.00	1	12/04/2022 02:13	WG1968889
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/04/2022 02:13	WG1968889
Tetrachloroethene	U		0.300	1.00	1	12/04/2022 02:13	WG1968889
Toluene	U		0.278	1.00	1	12/04/2022 02:13	WG1968889
1,2,3-Trichlorobenzene	U		0.230	1.00	1	12/04/2022 02:13	WG1968889
1,2,4-Trichlorobenzene	U		0.481	1.00	1	12/04/2022 02:13	WG1968889
1,1,1-Trichloroethane	U		0.149	1.00	1	12/04/2022 02:13	WG1968889
1,1,2-Trichloroethane	U		0.158	1.00	1	12/04/2022 02:13	WG1968889
Trichloroethene	U		0.190	1.00	1	12/04/2022 02:13	WG1968889
Trichlorofluoromethane	U		0.160	5.00	1	12/04/2022 02:13	WG1968889
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/04/2022 02:13	WG1968889
Vinyl chloride	U		0.234	1.00	1	12/04/2022 02:13	WG1968889
Xylenes, Total	U		0.174	3.00	1	12/04/2022 02:13	WG1968889
(S) Toluene-d8	101			80.0-120		12/04/2022 02:13	WG1968889
(S) 4-Bromofluorobenzene	103			77.0-126		12/04/2022 02:13	WG1968889
(S) 1,2-Dichloroethane-d4	94.4			70.0-130		12/04/2022 02:13	WG1968889

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3867028-2 12/01/22 09:34

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

Sample Narrative:
BLANK: Endpoint pH 4.5

Method Blank (MB)

(MB) R3867028-3 12/01/22 09:34

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Free Carbon Dioxide	18000	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1562195-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1562195-01 12/01/22 09:42 • (DUP) R3867028-4 12/01/22 09:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Alkalinity	662000	659000	1	0.436		20

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

L1562195-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1562195-01 12/01/22 09:42 • (DUP) R3867028-5 12/01/22 09:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	90600	88000	1	2.95		20

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1562338-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1562338-04 12/01/22 11:20 • (DUP) R3867028-6 12/01/22 11:24

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	269000	273000	1	1.26		20

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

L1562338-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1562338-04 12/01/22 11:20 • (DUP) R3867028-7 12/01/22 11:24

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	50600	51300	1	1.28		20

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

Laboratory Control Sample (LCS)

(LCS) R3867028-1 12/01/22 09:23

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

Sample Narrative:
LCS: Endpoint pH 4.5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3867031-2 12/01/22 09:33

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

Sample Narrative:
BLANK: Endpoint pH 4.5

Method Blank (MB)

(MB) R3867031-3 12/01/22 09:33

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Free Carbon Dioxide	8650	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1562195-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1562195-02 12/01/22 09:41 • (DUP) R3867031-4 12/01/22 09:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	574000	573000	1	0.248		20

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

L1562195-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1562195-02 12/01/22 09:41 • (DUP) R3867031-5 12/01/22 09:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	70600	71200	1	0.859		20

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1562261-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1562261-10 12/01/22 12:01 • (DUP) R3867031-6 12/01/22 12:07

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	220000	220000	1	0.00702		20

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

L1562261-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1562261-10 12/01/22 12:01 • (DUP) R3867031-7 12/01/22 12:07

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	11900	11300	1	4.74	J	20

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

Laboratory Control Sample (LCS)

(LCS) R3867031-1 12/01/22 09:27

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Alkalinity	100000	99500	99.5	90.0-110	

Sample Narrative:
LCS: Endpoint pH 4.5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3867238-1 12/01/22 15:26

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

L1562195-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1562195-02 12/01/22 15:30 • (DUP) R3867238-3 12/01/22 15:31

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	907	873	1	3.82		20

L1562261-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1562261-11 12/01/22 16:04 • (DUP) R3867238-4 12/01/22 16:06

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	82.0	U	1	200	P1	20

Laboratory Control Sample (LCS)

(LCS) R3867238-2 12/01/22 15:27

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ferrous Iron	1000	901	90.1	85.0-115	

L1562290-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562290-04 12/01/22 16:07 • (MS) R3867238-5 12/01/22 16:12 • (MSD) R3867238-6 12/01/22 16:18

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1000	59.0	942	922	88.3	86.3	1	80.0-120			2.15	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3868369-1 12/05/22 15:20

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

L1562195-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1562195-10 12/05/22 15:21 • (DUP) R3868369-3 12/05/22 15:21

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	4660	5020	20	7.43		20

L1563273-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1563273-10 12/05/22 16:07 • (DUP) R3868369-6 12/05/22 16:07

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	28.0	31.0	1	10.2	⬇	20

Laboratory Control Sample (LCS)

(LCS) R3868369-2 12/05/22 15:20

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ferrous Iron	1000	923	92.3	85.0-115	

L1562701-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562701-02 12/05/22 15:57 • (MS) R3868369-4 12/05/22 15:57 • (MSD) R3868369-5 12/05/22 15:57

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1000	U	927	963	92.7	96.3	1	80.0-120			3.81	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3867653-1 12/02/22 16:19

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

L1562394-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1562394-01 12/02/22 16:40 • (DUP) R3867653-3 12/02/22 16:41

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	412	412	1	0.000		20

L1562428-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1562428-02 12/02/22 16:54 • (DUP) R3867653-6 12/02/22 16:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	75.7	79.0	1	4.27	⬇	20

Laboratory Control Sample (LCS)

(LCS) R3867653-2 12/02/22 16:21

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Nitrate-Nitrite	2500	2530	101	90.0-110	

L1562394-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562394-01 12/02/22 16:40 • (MS) R3867653-4 12/02/22 16:42 • (MSD) R3867653-5 12/02/22 16:43

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate-Nitrite	2500	412	3010	2950	104	102	1	90.0-110			2.01	20

L1562428-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1562428-02 12/02/22 16:54 • (MS) R3867653-7 12/02/22 16:56

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Nitrate-Nitrite	2500	75.7	2650	103	1	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3867253-1 12/01/22 16:58

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

L1562248-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1562248-02 12/01/22 17:19 • (DUP) R3867253-5 12/01/22 17:19

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

L1562752-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1562752-05 12/01/22 17:21 • (DUP) R3867253-6 12/01/22 17:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	25.0	26.0	1	3.92	J	20

Laboratory Control Sample (LCS)

(LCS) R3867253-2 12/01/22 16:58

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	514	103	85.0-115	

L1562195-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562195-05 12/01/22 17:11 • (MS) R3867253-3 12/01/22 17:11 • (MSD) R3867253-4 12/01/22 17:18

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	500	U	227	273	45.4	54.6	1	80.0-120	J6	J6	18.4	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3868195-1 12/05/22 11:56

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

L1562195-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1562195-10 12/05/22 11:58 • (DUP) R3868195-5 12/05/22 11:59

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

L1563606-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1563606-07 12/05/22 12:07 • (DUP) R3868195-6 12/05/22 12:08

	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) R3868195-2 12/05/22 11:56

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	533	107	85.0-115	

L1562195-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562195-06 12/05/22 11:57 • (MS) R3868195-3 12/05/22 11:57 • (MSD) R3868195-4 12/05/22 11:57

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	500	U	439	444	87.8	88.8	1	80.0-120			1.13	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3867780-1 12/01/22 20:59

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

L1562474-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1562474-04 12/02/22 02:13 • (DUP) R3867780-3 12/01/22 22:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	15800	15400	1	2.59		15
Sulfate	U	U	1	0.000		15

L1562195-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1562195-03 12/01/22 22:01 • (DUP) R3867780-6 12/02/22 02:28

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	570	607	1	6.34	U	15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3867780-2 12/01/22 21:14

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	39700	99.3	80.0-120	
Sulfate	40000	38800	97.0	80.0-120	

L1562474-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562474-04 12/02/22 02:13 • (MS) R3867780-4 12/01/22 22:31 • (MSD) R3867780-5 12/01/22 22:47

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Chloride	50000	15800	65200	67700	98.8	104	1	80.0-120			3.75	15
Sulfate	50000	U	48400	48900	96.7	97.9	1	80.0-120			1.18	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1562195-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1562195-03 12/01/22 22:01 • (MS) R3867780-7 12/02/22 03:15

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50000	570	48300	95.4	1	80.0-120	
Sulfate	50000	U	47600	95.2	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3867862-1 12/03/22 01:45

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Chloride	536	⬇	379	1000
Sulfate	U		594	5000

L1562637-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1562637-02 12/03/22 03:14 • (DUP) R3867862-3 12/03/22 03:32

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	84800	84800	1	0.0630		15
Sulfate	57800	57700	1	0.225		15

L1562874-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1562874-12 12/03/22 09:30 • (DUP) R3867862-6 12/03/22 09:48

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	37300	37200	1	0.144		15
Sulfate	17100	17500	1	2.35		15

Laboratory Control Sample (LCS)

(LCS) R3867862-2 12/03/22 02:03

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	39600	99.0	80.0-120	
Sulfate	40000	39500	98.6	80.0-120	

L1562637-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562637-02 12/03/22 03:14 • (MS) R3867862-4 12/03/22 03:50 • (MSD) R3867862-5 12/03/22 04:08

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Chloride	50000	84800	133000	133000	96.9	97.2	1	80.0-120			0.103	15
Sulfate	50000	57800	108000	108000	101	101	1	80.0-120			0.143	15

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1562874-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1562874-12 12/03/22 09:30 • (MS) R3867862-7 12/03/22 10:06

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50000	37300	87600	101	1	80.0-120	
Sulfate	50000	17100	68400	103	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3868379-1 12/03/22 10:03

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

L1563585-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1563585-01 12/03/22 19:55 • (DUP) R3868379-3 12/03/22 20:09

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfate	14900	15300	1	2.36		15

L1563644-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1563644-02 12/03/22 23:48 • (DUP) R3868379-6 12/04/22 00:02

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfate	1170	1160	1	1.08	U	15

Laboratory Control Sample (LCS)

(LCS) R3868379-2 12/03/22 10:17

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfate	40000	38200	95.4	80.0-120	

L1563585-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1563585-01 12/03/22 19:55 • (MS) R3868379-4 12/03/22 20:23 • (MSD) R3868379-5 12/03/22 20:37

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfate	50000	14900	60100	60700	90.4	91.4	1	80.0-120			0.831	15

L1563644-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1563644-02 12/03/22 23:48 • (MS) R3868379-7 12/04/22 00:43

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Sulfate	50000	1170	47000	91.7	1	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3867339-2 12/01/22 07:27

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	277	⬇	102	1000

L1562152-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1562152-05 12/01/22 15:59 • (DUP) R3867339-7 12/01/22 16:14

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	567	518	1	9.13	⬇	20

L1562195-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1562195-05 12/01/22 16:31 • (DUP) R3867339-8 12/01/22 16:58

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	1620	1560	1	3.97		20

Laboratory Control Sample (LCS)

(LCS) R3867339-1 12/01/22 07:11

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	75000	74900	99.9	85.0-115	

L1561910-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1561910-05 12/01/22 09:14 • (MS) R3867339-3 12/01/22 09:35 • (MSD) R3867339-4 12/01/22 09:55

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	926	59200	59300	117	117	1	80.0-120			0.203	20

L1562005-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562005-01 12/01/22 10:12 • (MS) R3867339-5 12/01/22 10:34 • (MSD) R3867339-6 12/01/22 10:56

	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	2020	61900	62300	120	120	1	80.0-120			0.628	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3867326-2 12/01/22 07:26

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	459		102	1000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1562427-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1562427-01 12/01/22 18:32 • (DUP) R3867326-8 12/01/22 18:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	55400	45900	100	18.7		20

L1562362-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1562362-05 12/01/22 18:01 • (DUP) R3867326-7 12/01/22 18:17

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	2810	2790	1	0.821		20

Laboratory Control Sample (LCS)

(LCS) R3867326-1 12/01/22 07:13

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	75000	81100	108	85.0-115	

L1562152-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562152-06 12/01/22 10:48 • (MS) R3867326-3 12/01/22 11:13 • (MSD) R3867326-4 12/01/22 11:52

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	5000000	776000	5810000	5870000	101	102	100	80.0-120			0.959	20

L1562152-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562152-07 12/01/22 10:10 • (MS) R3867326-5 12/01/22 12:20 • (MSD) R3867326-6 12/01/22 12:43

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	860	64800	65200	128	129	1	80.0-120			0.661	20

Method Blank (MB)

(MB) R3867883-2 12/02/22 11:54

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	218	J	102	1000

L1562570-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1562570-01 12/03/22 01:08 • (DUP) R3867883-5 12/03/22 01:24

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	1900	995	1	62.7	J P1	20

Laboratory Control Sample (LCS)

(LCS) R3867883-1 12/02/22 11:35

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	75000	74500	99.3	85.0-115	

L1562195-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562195-10 12/02/22 21:20 • (MS) R3867883-3 12/02/22 21:45 • (MSD) R3867883-4 12/02/22 22:11

	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	32100	80300	81100	96.4	98.0	1	80.0-120			0.991	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3868451-1 12/06/22 03:38

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) R3868451-2 12/06/22 03:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	9990	99.9	80.0-120	
Manganese	1000	918	91.8	80.0-120	
Sodium	10000	10300	103	80.0-120	

L1562195-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562195-03 12/06/22 03:44 • (MS) R3868451-4 12/06/22 03:50 • (MSD) R3868451-5 12/06/22 03:52

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	10200	9940	102	99.4	1	75.0-125			2.31	20
Manganese	1000	U	917	897	91.7	89.7	1	75.0-125			2.25	20
Sodium	10000	U	11100	10300	111	103	1	75.0-125			7.57	20

1
Cp

2
Tc

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Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3868116-2 12/05/22 09:11

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

L1562433-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1562433-01 12/05/22 09:39 • (DUP) R3868116-3 12/05/22 09:47

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

L1562433-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1562433-10 12/05/22 10:11 • (DUP) R3868116-4 12/05/22 10:26

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

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

(LCS) R3868116-1 12/05/22 09:07 • (LCSD) R3868116-5 12/05/22 10:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	67.2	67.7	99.1	99.9	85.0-115			0.741	20
Ethane	129	120	120	93.0	93.0	85.0-115			0.000	20
Ethene	127	121	121	95.3	95.3	85.0-115			0.000	20

1
Cp

2
Tc

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Ss

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Cn

5
Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R3868301-2 12/05/22 13:03

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

L1562684-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1562684-01 12/05/22 13:45 • (DUP) R3868301-3 12/05/22 13:47

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

L1563044-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1563044-05 12/05/22 14:15 • (DUP) R3868301-4 12/05/22 14:18

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

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

(LCS) R3868301-1 12/05/22 13:00 • (LCSD) R3868301-7 12/05/22 14:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	67.3	65.9	99.3	97.2	85.0-115			2.10	20
Ethane	129	119	118	92.2	91.5	85.0-115			0.844	20
Ethene	127	121	121	95.3	95.3	85.0-115			0.000	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1562684-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562684-02 12/05/22 13:49 • (MS) R3868301-5 12/05/22 14:20 • (MSD) R3868301-6 12/05/22 14:22

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methane	67.8	U	81.3	66.3	120	97.8	1	50.0-150		J3	20.3	20
Ethane	129	U	133	116	103	89.9	1	50.0-150			13.7	20
Ethene	127	U	132	116	104	91.3	1	50.0-150			12.9	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3869180-2 12/04/22 01:35

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3869180-2 12/04/22 01:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	106			80.0-120
(S) 4-Bromofluorobenzene	97.1			77.0-126
(S) 1,2-Dichloroethane-d4	93.1			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3869180-1 12/04/22 00:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	23.8	95.2	19.0-160	
Benzene	5.00	5.86	117	70.0-123	
Bromochloromethane	5.00	6.17	123	76.0-122	J4
Bromodichloromethane	5.00	6.34	127	75.0-120	J4
Bromoform	5.00	5.29	106	68.0-132	
Bromomethane	5.00	6.44	129	10.0-160	
Carbon disulfide	5.00	5.29	106	61.0-128	
Carbon tetrachloride	5.00	5.66	113	68.0-126	
Chlorobenzene	5.00	5.44	109	80.0-121	
Chlorodibromomethane	5.00	6.04	121	77.0-125	
Chloroethane	5.00	5.20	104	47.0-150	
Chloroform	5.00	5.74	115	73.0-120	
Chloromethane	5.00	5.19	104	41.0-142	
Cyclohexane	5.00	4.27	85.4	71.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.89	97.8	58.0-134	
1,2-Dibromoethane	5.00	5.66	113	80.0-122	
1,2-Dichlorobenzene	5.00	5.12	102	79.0-121	
1,3-Dichlorobenzene	5.00	5.31	106	79.0-120	
1,4-Dichlorobenzene	5.00	5.03	101	79.0-120	
Dichlorodifluoromethane	5.00	4.85	97.0	51.0-149	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3869180-1 12/04/22 00:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,1-Dichloroethane	5.00	5.70	114	70.0-126	
1,2-Dichloroethane	5.00	5.25	105	70.0-128	
1,1-Dichloroethene	5.00	4.86	97.2	71.0-124	
cis-1,2-Dichloroethene	5.00	6.03	121	73.0-120	J4
trans-1,2-Dichloroethene	5.00	5.95	119	73.0-120	
1,2-Dichloropropane	5.00	5.64	113	77.0-125	
cis-1,3-Dichloropropene	5.00	6.09	122	80.0-123	
trans-1,3-Dichloropropene	5.00	5.53	111	78.0-124	
Ethylbenzene	5.00	5.36	107	79.0-123	
2-Hexanone	25.0	28.9	116	67.0-149	
Isopropylbenzene	5.00	5.89	118	76.0-127	
2-Butanone (MEK)	25.0	28.5	114	44.0-160	
Methyl Acetate	25.0	30.7	123	57.0-148	
Methyl Cyclohexane	5.00	4.32	86.4	68.0-126	
Methylene Chloride	5.00	5.46	109	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	29.9	120	68.0-142	
Methyl tert-butyl ether	5.00	6.28	126	68.0-125	J4
Styrene	5.00	5.40	108	73.0-130	
1,1,2,2-Tetrachloroethane	5.00	5.10	102	65.0-130	
Tetrachloroethene	5.00	6.23	125	72.0-132	
Toluene	5.00	5.65	113	79.0-120	
1,2,3-Trichlorobenzene	5.00	3.97	79.4	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.22	84.4	57.0-137	
1,1,1-Trichloroethane	5.00	5.43	109	73.0-124	
1,1,2-Trichloroethane	5.00	5.77	115	80.0-120	
Trichloroethene	5.00	5.78	116	78.0-124	
Trichlorofluoromethane	5.00	5.38	108	59.0-147	
1,1,2-Trichlorotrifluoroethane	5.00	4.47	89.4	69.0-132	
Vinyl chloride	5.00	6.33	127	67.0-131	
Xylenes, Total	15.0	14.4	96.0	79.0-123	
(S) Toluene-d8			103	80.0-120	
(S) 4-Bromofluorobenzene			116	77.0-126	
(S) 1,2-Dichloroethane-d4			93.9	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3869266-2 12/05/22 12:00

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3869266-2 12/05/22 12:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	101			80.0-120
(S) 4-Bromofluorobenzene	96.5			77.0-126
(S) 1,2-Dichloroethane-d4	97.0			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3869266-1 12/05/22 10:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	41.2	165	19.0-160	J4
Benzene	5.00	5.46	109	70.0-123	
Bromochloromethane	5.00	5.15	103	76.0-122	
Bromodichloromethane	5.00	5.00	100	75.0-120	
Bromoform	5.00	4.05	81.0	68.0-132	
Bromomethane	5.00	4.66	93.2	10.0-160	
Carbon disulfide	5.00	5.43	109	61.0-128	
Carbon tetrachloride	5.00	5.53	111	68.0-126	
Chlorobenzene	5.00	4.62	92.4	80.0-121	
Chlorodibromomethane	5.00	4.14	82.8	77.0-125	
Chloroethane	5.00	5.20	104	47.0-150	
Chloroform	5.00	5.19	104	73.0-120	
Chloromethane	5.00	5.14	103	41.0-142	
Cyclohexane	5.00	5.73	115	71.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.18	83.6	58.0-134	
1,2-Dibromoethane	5.00	4.51	90.2	80.0-122	
1,2-Dichlorobenzene	5.00	4.66	93.2	79.0-121	
1,3-Dichlorobenzene	5.00	5.04	101	79.0-120	
1,4-Dichlorobenzene	5.00	4.80	96.0	79.0-120	
Dichlorodifluoromethane	5.00	6.36	127	51.0-149	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3869266-1 12/05/22 10:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,1-Dichloroethane	5.00	5.26	105	70.0-126	
1,2-Dichloroethane	5.00	5.50	110	70.0-128	
1,1-Dichloroethene	5.00	5.56	111	71.0-124	
cis-1,2-Dichloroethene	5.00	5.11	102	73.0-120	
trans-1,2-Dichloroethene	5.00	5.40	108	73.0-120	
1,2-Dichloropropane	5.00	5.12	102	77.0-125	
cis-1,3-Dichloropropene	5.00	5.28	106	80.0-123	
trans-1,3-Dichloropropene	5.00	4.97	99.4	78.0-124	
Ethylbenzene	5.00	4.66	93.2	79.0-123	
2-Hexanone	25.0	25.4	102	67.0-149	
Isopropylbenzene	5.00	4.52	90.4	76.0-127	
2-Butanone (MEK)	25.0	34.1	136	44.0-160	
Methyl Acetate	25.0	36.6	146	57.0-148	
Methyl Cyclohexane	5.00	6.00	120	68.0-126	
Methylene Chloride	5.00	5.19	104	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	28.2	113	68.0-142	
Methyl tert-butyl ether	5.00	5.23	105	68.0-125	
Styrene	5.00	4.09	81.8	73.0-130	
1,1,2,2-Tetrachloroethane	5.00	5.25	105	65.0-130	
Tetrachloroethene	5.00	5.00	100	72.0-132	
Toluene	5.00	4.92	98.4	79.0-120	
1,2,3-Trichlorobenzene	5.00	2.56	51.2	50.0-138	
1,2,4-Trichlorobenzene	5.00	3.72	74.4	57.0-137	
1,1,1-Trichloroethane	5.00	5.07	101	73.0-124	
1,1,2-Trichloroethane	5.00	4.56	91.2	80.0-120	
Trichloroethene	5.00	4.98	99.6	78.0-124	
Trichlorofluoromethane	5.00	4.80	96.0	59.0-147	
1,1,2-Trichlorotrifluoroethane	5.00	5.14	103	69.0-132	
Vinyl chloride	5.00	5.20	104	67.0-131	
Xylenes, Total	15.0	13.2	88.0	79.0-123	
(S) Toluene-d8			96.9	80.0-120	
(S) 4-Bromofluorobenzene			94.2	77.0-126	
(S) 1,2-Dichloroethane-d4			111	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3869569-3 12/07/22 22:03

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	118			80.0-120
(S) 4-Bromofluorobenzene	103			77.0-126
(S) 1,2-Dichloroethane-d4	91.3			70.0-130

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

(LCS) R3869569-1 12/07/22 20:22 • (LCSD) R3869569-2 12/07/22 20:41

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	4.17	4.36	83.4	87.2	68.0-125			4.45	20
(S) Toluene-d8				119	118	80.0-120				
(S) 4-Bromofluorobenzene				106	106	77.0-126				
(S) 1,2-Dichloroethane-d4				89.2	92.4	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

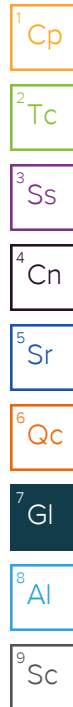
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
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.
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.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

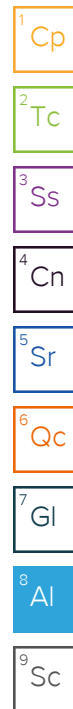
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

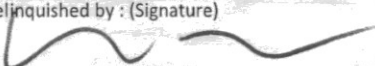
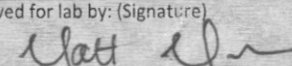
¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

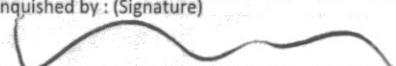
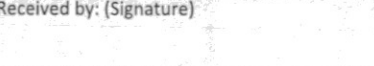
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

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



Company Name/Address: Arcadis - Chevron - NY				Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129				Pres Chk 22222222		Analysis / Container / Preservative								Chain of Custody Page <u> </u> of <u> </u> PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf		
Report to: Max Mansilla				Email To: maxwell.mansilla@arcadis.com; ryan.merrell@a				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								SDG # <u>11562/95</u> Table # Acctnum: CHEVARCNY Template: T182105 Prelogin: P964080 PM: 526 - Chris McCord PB: <u>11-21-2022</u> Shipped Via: FedEX Ground Remarks Sample # (lab only)		
Project Description: POD 4 - Oceanside 6518040				City/State Collected:		Please Circle: PT MT CT ET														
Phone:		Client Project # 30062947.19.45		Lab Project # CHEVARCNY-6518040																
Collected by (print): Shannon Torke		Site/Facility ID # 6518040		P.O. # 30062947																
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote # Date Results Needed		Immediately Packed on Ice N <u> </u> Y <u> </u>														
Sample ID		Comp/Grab	Matrix *	Depth	Date											Time				
MW-27-D2-W-2211			GW				11	X	X	X	X	X	X	X	X	X				
MW-28-D2R-W-2211			GW				11	X	X	X	X	X	X	X	X	X				
MW-24-D2-W-2211 <u>29</u>		<u>6</u>	GW		<u>11/29/22</u>	<u>0058</u>	11	X	X	X	X	X	X	X	X	X				<u>01</u>
MW-24-VDR-W-2211 <u>29</u>		<u>6</u>	GW		<u>11/29/22</u>	<u>0000</u>	<u>91</u>	X	X	X	X	X	X	X	X	X				
AMW-15-VD-W-2211 <u>23</u>		<u>6</u>	GW		<u>11/29/22</u>	<u>2300</u>	<u>91</u>	X	X	X	X	X	X	X	X	X				
AMW-7R-W-2211			GW				11	X	X	X	X	X	X	X	X	X				
AMW-14-VD-W-2211			GW				11	X	X	X	X	X	X	X	X	X				
AMW-14-D2-W-2211			GW				11	X	X	X	X	X	X	X	X	X				
MW-28-D1-W-2211			GW				11	X	X	X	X	X	X	X	X	X				
MW-26-D2-W-2211			GW				11	X	X	X	X	X	X	X	X	X				
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☐ FedEx ☐ Courier Tracking # <u>4126 6538 6497</u>				pH <u> </u> Temp <u> </u> Flow <u> </u> Other <u> </u>				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) 		Date: <u>11/29/22</u>	Time: <u>1630</u>	Received by: (Signature) 		Trip Blank Received: Yes ☐ No ☒ HCl / MeOH TBR		Temp: <u>NSA6°C</u> Bottles Received: <u>0.1 + 0.1 33</u>				If preservation required by Login: Date/Time								
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: <u>NSA6°C</u> Bottles Received: <u>0.1 + 0.1 33</u>		If preservation required by Login: Date/Time												
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 		Date: <u>11-30-22</u> Time: <u>0930</u>		Hold: Condition: <u>NCF / OK</u>												

Company Name/Address: Arcadis - Chevron - NY				Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129				Pres Chk		Analysis / Container / Preservative								Chain of Custody Page <u>1</u> of <u>5</u>	
Report to: Max Mansilla				Email To: maxwell.mansilla@arcadis.com;ryan.merrell@a														 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf SDG # <u>L150295</u> F072 Acctnum: CHEVARCNY Template: T182105 Prelogin: P964080 PM: 526 - Chris McCord PB: <u>11-21-2022</u> Shipped Via: FedEX Ground	
Project Description: POD 4 - Oceanside 6518040				City/State Collected:		Please Circle: PT MT CT ET													
Phone:		Client Project # 30062947.19.45		Lab Project # CHEVARCNY-6518040															
Collected by (print): <u>Shanna Torkin</u>		Site/Facility ID # 6518040		P.O. # <u>30062947</u>															
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs											
Immediately Packed on Ice N ☐ Y ☒																			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time													
MW-23-D2R-W-2211			GW			11	X	X	X	X	X	X	X	X					
AMW-15-D2-W-2211 <u>29</u>		<u>6</u>	GW		<u>11/29/22</u>	<u>0005</u>	11	X	X	X	X	X	X	X					
AMW-15-D3-W-2211 <u>20</u>		<u>6</u>	GW		<u>11/29/22</u>	<u>2305</u>	11	X	X	X	X	X	X	X					
MW-23-D1R-W-2211			GW			11	X	X	X	X	X	X	X	X					
AMW-15-D1-W-2211 <u>20</u>		<u>6</u>	GW		<u>11/28/22</u>	<u>2330</u>	11	X	X	X	X	X	X	X					
MW-27-D1R-W-2211			GW			11	X	X	X	X	X	X	X	X					
MW-26-D1-W-2211			GW			11	X	X	X	X	X	X	X	X					
MW-29-D1-W-2211			GW			11	X	X	X	X	X	X	X	X					
AMW-14-D1-W-2211			GW			11	X	X	X	X	X	X	X	X					
MW-24-D1R-W-2211 <u>29</u>		<u>6</u>	GW		<u>11/29/22</u>	<u>0025</u>	11	X	X	X	X	X	X	X					
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☒ NP Y N COC Signed/Accurate: ☒ Y N Bottles arrive intact: ☒ Y N Correct bottles used: ☒ Y N Sufficient volume sent: ☒ Y N If Applicable VOA Zero Headspace: ☒ Y N Preservation Correct/Checked: ☒ Y N RAD Screen <0.5 mR/hr: ☒ Y N									
Samples returned via: ☐ UPS ☐ FedEx ☐ Courier				Tracking # <u>6126 6538 6497</u>															
Relinquished by: (Signature) 		Date: <u>11/29/22</u>	Time: <u>1630</u>	Received by: (Signature) 		Trip Blank Received: ☒ Yes / No HCL / MeOH TBR													
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: <u>WSAP</u> °C <u>0.1 to 0.1</u> 33		Bottles Received: <u>33</u>											
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 		Date: <u>11-30-22</u> Time: <u>0930</u>		Hold: Condition: <u>OK</u>											

Company Name/Address: Arcadis - Chevron - NY				Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129				Chain of Custody Page 3 of 2	
Report to: Max Mansilla				Email To: maxwell.mansilla@arcadis.com;ryan.merrell@a				 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf	
Project Description: POD 4 - Oceanside 6518040			City/State Collected:		Please Circle: PT MT CT ET		Analysis / Container / Preservative 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		
Phone:		Client Project # 30062947.19.45		Lab Project # CHEVARCNY-6518040		SDG # U562495 Table # Acctnum: CHEVARCNY Template: T182105 Prelogin: P964080 PM: 526 - Chris McCord PB: 11-21-2022 Shipped Via: FedEX Ground			
Collected by (print): Shanna Torha		Site/Facility ID # 6518040		P.O. # 3006497		SDG # Table # Acctnum: CHEVARCNY Template: T182105 Prelogin: P964080 PM: 526 - Chris McCord PB: 11-21-2022 Shipped Via: FedEX Ground			
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed No. of Cntrs			
Immediately Packed on Ice N ☒ Y ☐									
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time				
MW-18R-W-2211		GW				11	X X X X X X X X		
BD-W-2211 29	6	GW		11/29/22		11	X X X X X X X X		
FB-W-2211 28	6	GW		11/29/22	2359	11	X X X X X X X X		
FB-W-2211		GW				11	X X X X X X X X		
FB-W-2211		GW				11	X X X X X X X X		
		GW				11	X X X X X X X X		
		GW				11	X X X X X X X X		
		GW				11	X X X X X X X X		
TB-W-2211		GW				1			
TB-W-2211		GW				1			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks: Samples returned via: ☐ UPS ☐ FedEx ☐ Courier		Tracking # 6126 6538 6497			
Relinquished by: (Signature) 		Date: 11/29/22	Time: 1630	Received by: (Signature) 		Trip Blank Received: ☒ No ☐ Yes HCl/ MeOH TBR			
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: NSA 6°C Bottles Received: 33 If preservation required by Login: Date/Time			
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 1 fact elfm		Date: 11-30-22 Time: 0930 Hold: Condition: NCF / OK			

Arcadis - Chevron - NY

Sample Delivery Group: L1562752
Samples Received: 12/01/2022
Project Number: 30062947.19.45
Description: POD 4 - Oceanside 6518040
Site: 6518040
Report To: Max Mansilla

Entire Report Reviewed By:



Chris McCord
Project Manager

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

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

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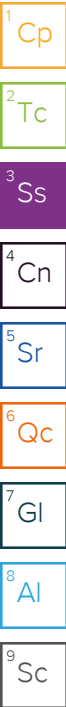
¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

MW-23-D2R-W-221129 L1562752-01 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 21:10
Received date/time 12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1969905	1	12/07/22 10:19	12/07/22 10:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1969905	1	12/07/22 10:19	12/07/22 10:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967868	5	12/05/22 15:23	12/05/22 15:23	JCS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	10	12/02/22 00:41	12/02/22 00:41	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	100	12/02/22 00:57	12/02/22 00:57	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	1	12/02/22 20:39	12/02/22 20:39	NCJ	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:18	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	5	12/07/22 21:01	12/09/22 02:23	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 13:25	12/05/22 13:25	MGF	Mt. Juliet, TN



MW-23-D1R-W-221129 L1562752-02 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 20:52
Received date/time 12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1970541	1	12/08/22 16:21	12/08/22 16:21	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1969905	1	12/07/22 10:24	12/07/22 10:24	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1969905	1	12/07/22 10:24	12/07/22 10:24	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1969545	10	12/05/22 15:58	12/05/22 15:58	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967868	1	12/05/22 15:29	12/05/22 15:29	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	1	12/01/22 17:20	12/01/22 17:20	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	1	12/02/22 01:13	12/02/22 01:13	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	2	12/02/22 20:56	12/02/22 20:56	NCJ	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:21	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969578	1	12/06/22 13:31	12/06/22 13:31	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 13:46	12/05/22 13:46	MGF	Mt. Juliet, TN

MW-27-D1R-W-221129 L1562752-03 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 23:35
Received date/time 12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1970541	1	12/08/22 16:24	12/08/22 16:24	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1969905	1	12/07/22 10:31	12/07/22 10:31	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1969905	1	12/07/22 10:31	12/07/22 10:31	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1968908	20	12/04/22 02:27	12/04/22 02:27	TOP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967868	1	12/05/22 15:30	12/05/22 15:30	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	1	12/01/22 17:20	12/01/22 17:20	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	10	12/02/22 02:33	12/02/22 02:33	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	100	12/02/22 02:48	12/02/22 02:48	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	5	12/02/22 21:12	12/02/22 21:12	NCJ	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:24	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	5	12/07/22 21:01	12/09/22 02:26	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969578	1	12/06/22 13:35	12/06/22 13:35	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 14:06	12/05/22 14:06	MGF	Mt. Juliet, TN

MW-26-D1-W-221129 L1562752-04 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 20:55
Received date/time 12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1970541	1	12/08/22 16:33	12/08/22 16:33	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1969905	1	12/07/22 10:36	12/07/22 10:36	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1969905	1	12/07/22 10:36	12/07/22 10:36	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1968616	1	12/02/22 22:04	12/02/22 22:04	TOP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967868	10	12/05/22 15:31	12/05/22 15:31	JCS	Mt. Juliet, TN

SAMPLE SUMMARY

MW-26-D1-W-221129 L1562752-04 GW

Collected by
Shannon Torhan

Collected date/time
11/29/22 20:55

Received date/time
12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500S2 D-2011	WG1967875	1	12/01/22 17:20	12/01/22 17:20	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	1	12/02/22 03:04	12/02/22 03:04	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	100	12/02/22 03:20	12/02/22 03:20	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	1	12/02/22 21:55	12/02/22 21:55	NCJ	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:33	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	5	12/07/22 21:01	12/09/22 02:29	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969578	1	12/06/22 13:37	12/06/22 13:37	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1970148	10	12/07/22 08:55	12/07/22 08:55	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 14:26	12/05/22 14:26	MGF	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

MW-29-D1-W-221129 L1562752-05 GW

Collected by
Shannon Torhan

Collected date/time
11/29/22 23:10

Received date/time
12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1970541	1	12/08/22 16:36	12/08/22 16:36	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1969905	1	12/07/22 10:41	12/07/22 10:41	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1969905	1	12/07/22 10:41	12/07/22 10:41	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1969545	5	12/05/22 15:58	12/05/22 15:58	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967868	1	12/05/22 15:32	12/05/22 15:32	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	1	12/01/22 17:21	12/01/22 17:21	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	1	12/02/22 03:36	12/02/22 03:36	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	5	12/02/22 23:05	12/02/22 23:05	NCJ	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:36	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969578	1	12/06/22 13:42	12/06/22 13:42	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 14:47	12/05/22 14:47	MGF	Mt. Juliet, TN

AMW-14-D1-W-221129 L1562752-06 GW

Collected by
Shannon Torhan

Collected date/time
11/29/22 22:05

Received date/time
12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1970541	1	12/08/22 16:38	12/08/22 16:38	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1969905	1	12/07/22 11:01	12/07/22 11:01	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1969905	1	12/07/22 11:01	12/07/22 11:01	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1969545	10	12/05/22 15:59	12/05/22 15:59	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967870	50	12/06/22 12:56	12/06/22 12:56	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	20	12/01/22 17:23	12/01/22 17:23	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	1	12/02/22 03:52	12/02/22 03:52	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	100	12/02/22 04:08	12/02/22 04:08	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	5	12/02/22 23:21	12/02/22 23:21	NCJ	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:38	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	5	12/07/22 21:01	12/09/22 02:32	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969578	1	12/06/22 13:52	12/06/22 13:52	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 15:07	12/05/22 15:07	MGF	Mt. Juliet, TN

MW-27-D2-W-221129 L1562752-07 GW

Collected by
Shannon Torhan

Collected date/time
11/29/22 22:40

Received date/time
12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1970541	1	12/08/22 16:41	12/08/22 16:41	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1969905	1	12/07/22 11:06	12/07/22 11:06	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1969905	1	12/07/22 11:06	12/07/22 11:06	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1968908	1	12/04/22 02:29	12/04/22 02:29	TOP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967870	10	12/06/22 12:57	12/06/22 12:57	JCS	Mt. Juliet, TN

SAMPLE SUMMARY

MW-27-D2-W-221129 L1562752-07 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 22:40
Received date/time 12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500S2 D-2011	WG1967875	20	12/01/22 17:24	12/01/22 17:24	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	100	12/02/22 04:40	12/02/22 04:40	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	5	12/02/22 04:24	12/02/22 04:24	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	1	12/03/22 15:11	12/03/22 15:11	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:41	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	5	12/07/22 21:01	12/09/22 02:35	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1969578	1	12/06/22 13:56	12/06/22 13:56	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 15:27	12/05/22 15:27	MGF	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

MW-28-D2R-W-221129 L1562752-08 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 19:30
Received date/time 12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1970541	1	12/08/22 16:44	12/08/22 16:44	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1969905	1	12/07/22 11:11	12/07/22 11:11	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1969905	1	12/07/22 11:11	12/07/22 11:11	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1968616	1	12/02/22 22:05	12/02/22 22:05	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967870	1	12/06/22 12:58	12/06/22 12:58	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	1	12/01/22 17:24	12/01/22 17:24	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	10	12/02/22 04:56	12/02/22 04:56	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	100	12/02/22 05:43	12/02/22 05:43	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	2	12/03/22 16:13	12/03/22 16:13	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:44	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1970148	1	12/07/22 08:57	12/07/22 08:57	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 15:59	12/05/22 15:59	MGF	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

AMW-7R-W-221129 L1562752-09 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 20:00
Received date/time 12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1970541	1	12/08/22 16:47	12/08/22 16:47	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1969905	1	12/07/22 11:16	12/07/22 11:16	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1969905	1	12/07/22 11:16	12/07/22 11:16	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1969545	20	12/05/22 16:00	12/05/22 16:00	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967870	5	12/06/22 13:03	12/06/22 13:03	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	1	12/01/22 17:25	12/01/22 17:25	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	1	12/02/22 05:59	12/02/22 05:59	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	1	12/03/22 16:39	12/03/22 16:39	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:47	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1970148	1	12/07/22 09:00	12/07/22 09:00	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1970725	10	12/07/22 14:50	12/07/22 14:50	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 16:19	12/05/22 16:19	MGF	Mt. Juliet, TN

AMW-14-VD-W-221129 L1562752-10 GW

Collected by Shannon Torhan
Collected date/time 11/29/22 21:43
Received date/time 12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1970541	1	12/08/22 16:50	12/08/22 16:50	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1969905	1	12/07/22 11:21	12/07/22 11:21	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1969905	1	12/07/22 11:21	12/07/22 11:21	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1968908	50	12/04/22 02:30	12/04/22 02:30	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967870	1	12/06/22 13:08	12/06/22 13:08	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	1	12/01/22 17:25	12/01/22 17:25	RLS	Mt. Juliet, TN

SAMPLE SUMMARY

AMW-14-VD-W-221129 L1562752-10 GW

Collected by
Shannon Torhan

Collected date/time
11/29/22 21:43

Received date/time
12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1968012	10	12/02/22 06:15	12/02/22 06:15	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968012	100	12/02/22 06:31	12/02/22 06:31	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	2	12/03/22 17:23	12/03/22 17:23	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:50	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	10	12/07/22 21:01	12/09/22 02:38	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1970148	1	12/07/22 09:02	12/07/22 09:02	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 16:39	12/05/22 16:39	MGF	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

AMW-14-D2-W-221129 L1562752-11 GW

Collected by
Shannon Torhan

Collected date/time
11/29/22 21:50

Received date/time
12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1970541	1	12/08/22 16:53	12/08/22 16:53	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1968148	1	12/02/22 13:45	12/02/22 13:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1968148	1	12/02/22 13:45	12/02/22 13:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1969545	2	12/05/22 16:00	12/05/22 16:00	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967870	1	12/06/22 13:10	12/06/22 13:10	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	5	12/01/22 17:25	12/01/22 17:25	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968461	1	12/06/22 16:38	12/06/22 16:38	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968461	20	12/06/22 17:25	12/06/22 17:25	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	5	12/03/22 17:41	12/03/22 17:41	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:53	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1970148	1	12/07/22 09:04	12/07/22 09:04	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 17:00	12/05/22 17:00	MGF	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MW-28-D1-W-221129 L1562752-12 GW

Collected by
Shannon Torhan

Collected date/time
11/29/22 19:35

Received date/time
12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1970541	1	12/08/22 16:56	12/08/22 16:56	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1968148	1	12/02/22 13:51	12/02/22 13:51	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1968148	1	12/02/22 13:51	12/02/22 13:51	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1969545	1	12/05/22 16:01	12/05/22 16:01	JAR	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967870	1	12/06/22 13:11	12/06/22 13:11	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	1	12/01/22 17:25	12/01/22 17:25	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968461	10	12/06/22 17:57	12/06/22 17:57	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	2	12/03/22 18:02	12/03/22 18:02	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:56	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1970148	1	12/07/22 09:08	12/07/22 09:08	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 17:20	12/05/22 17:20	MGF	Mt. Juliet, TN

MW-18R-W-221129 L1562752-13 GW

Collected by
Shannon Torhan

Collected date/time
11/29/22 20:30

Received date/time
12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG1968148	1	12/02/22 13:56	12/02/22 13:56	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1968148	1	12/02/22 13:56	12/02/22 13:56	ARD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967870	5	12/06/22 13:12	12/06/22 13:12	JCS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968461	1	12/06/22 18:13	12/06/22 18:13	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968461	10	12/06/22 18:29	12/06/22 18:29	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 16:59	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1970148	1	12/07/22 09:10	12/07/22 09:10	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1970725	10	12/07/22 14:52	12/07/22 14:52	BAW	Mt. Juliet, TN

SAMPLE SUMMARY

MW-18R-W-221129 L1562752-13 GW

Collected by
Shannon Torhan

Collected date/time
11/29/22 20:30

Received date/time
12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 17:40	12/05/22 17:40	MGF	Mt. Juliet, TN

FB-W-221129 L1562752-14 GW

Collected by
Shannon Torhan

Collected date/time
11/29/22 23:30

Received date/time
12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1970541	1	12/08/22 17:07	12/08/22 17:07	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1968148	1	12/02/22 14:02	12/02/22 14:02	ARD	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1968148	1	12/02/22 14:02	12/02/22 14:02	ARD	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1968616	1	12/02/22 22:06	12/02/22 22:06	TQP	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1967870	1	12/06/22 13:14	12/06/22 13:14	JCS	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1967875	1	12/01/22 17:26	12/01/22 17:26	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1968461	1	12/06/22 18:45	12/06/22 18:45	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1968298	1	12/03/22 19:00	12/03/22 19:00	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1970541	1	12/07/22 21:01	12/08/22 17:07	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1970148	1	12/07/22 09:12	12/07/22 09:12	BAW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 12:45	12/05/22 12:45	MGF	Mt. Juliet, TN

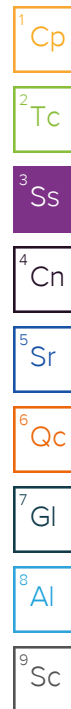
TB-W-221129 L1562752-15 GW

Collected by
Shannon Torhan

Collected date/time
11/29/22 00:00

Received date/time
12/01/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1969377	1	12/05/22 13:05	12/05/22 13:05	MGF	Mt. Juliet, TN

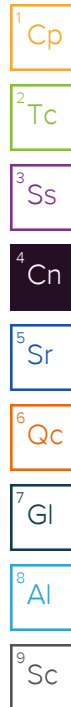


CASE NARRATIVE

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



Chris McCord
Project Manager



Sample Delivery Group (SDG) Narrative

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

Batch	Method	Lab Sample ID
WG1968148	4500CO2 D-2011	L1562752-11, 12, 13, 14
WG1968616	3500Fe B-2011	L1562752-04, 08, 14
WG1968908	3500Fe B-2011	L1562752-03, 07, 10
WG1969545	3500Fe B-2011	L1562752-02, 05, 06, 09, 11, 12
WG1969905	4500CO2 D-2011	L1562752-01, 02, 03, 04, 05, 06, 07, 08, 09, 10

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

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1968148	Free Carbon Dioxide	L1562752-11, 12
WG1969905	Free Carbon Dioxide	L1562752-01, 03, 04, 06, 07, 08, 10

Wet Chemistry by Method 3500Fe B-2011

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

Batch	Lab Sample ID	Analytes
WG1968616	(DUP) R3867702-3	Ferrous Iron

Wet Chemistry by Method 353.2

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

Batch	Lab Sample ID	Analytes
WG1967868	(MS) R3868348-12	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
WG1967875	(MS) R3867253-3, (MSD) R3867253-4	Sulfide

CASE NARRATIVE

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG1968461	(MS) R3869122-7	Sulfate

Wet Chemistry by Method 9060A

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1968298	TOC (Total Organic Carbon)	L1562752-02, 03, 05, 08, 11, 14

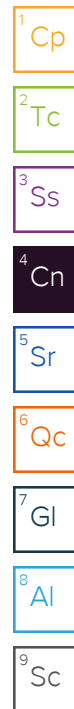
Volatile Organic Compounds (GC/MS) by Method 8260C

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
WG1969377	L1562752-01	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-02	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-03	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-04	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-05	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-06	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-07	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-08	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-09	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-10	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-11	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-12	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-13	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-14	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
WG1969377	L1562752-15	1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene

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
WG1969377	L1562752-06	Cyclohexane
WG1969377	L1562752-09	Cyclohexane
WG1969377	L1562752-13	Cyclohexane



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	494000		20000	1	12/07/2022 10:19	WG1969905
Free Carbon Dioxide	37500	B T8	20000	1	12/07/2022 10:19	WG1969905

Sample Narrative:

L1562752-01 WG1969905: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		250	500	5	12/05/2022 15:23	WG1967868

Sample Narrative:

L1562752-01 WG1967868: Dilution due to matrix.

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	3210000		37900	100000	100	12/02/2022 00:57	WG1968012
Sulfate	206000		5940	50000	10	12/02/2022 00:41	WG1968012

Wet Chemistry by Method 9060A

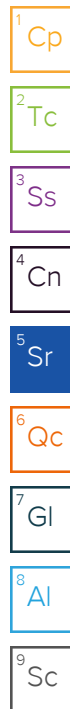
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	8510		102	1000	1	12/02/2022 20:39	WG1968298

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	863		18.0	100	1	12/08/2022 16:18	WG1970541
Manganese	894		0.934	10.0	1	12/08/2022 16:18	WG1970541
Sodium	1380000		2520	15000	5	12/09/2022 02:23	WG1970541

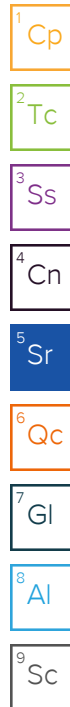
Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	12/05/2022 13:25	WG1969377
Benzene	U		0.0941	1.00	1	12/05/2022 13:25	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 13:25	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 13:25	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 13:25	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 13:25	WG1969377
Carbon disulfide	U		0.0962	1.00	1	12/05/2022 13:25	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 13:25	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 13:25	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 13:25	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 13:25	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 13:25	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 13:25	WG1969377
Cyclohexane	U		0.188	1.00	1	12/05/2022 13:25	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 13:25	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 13:25	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 13:25	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 13:25	WG1969377



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 13:25	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 13:25	WG1969377
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 13:25	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 13:25	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 13:25	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 13:25	WG1969377
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 13:25	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 13:25	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 13:25	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 13:25	WG1969377
Ethylbenzene	U		0.137	1.00	1	12/05/2022 13:25	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 13:25	WG1969377
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 13:25	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 13:25	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 13:25	WG1969377
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 13:25	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 13:25	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 13:25	WG1969377
Methyl tert-butyl ether	21.7		0.101	1.00	1	12/05/2022 13:25	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 13:25	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 13:25	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 13:25	WG1969377
Toluene	U		0.278	1.00	1	12/05/2022 13:25	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 13:25	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 13:25	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 13:25	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 13:25	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 13:25	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 13:25	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 13:25	WG1969377
Vinyl chloride	U		0.234	1.00	1	12/05/2022 13:25	WG1969377
Xylenes, Total	U		0.174	3.00	1	12/05/2022 13:25	WG1969377
(S) Toluene-d8	98.1			80.0-120		12/05/2022 13:25	WG1969377
(S) 4-Bromofluorobenzene	86.6			77.0-126		12/05/2022 13:25	WG1969377
(S) 1,2-Dichloroethane-d4	115			70.0-130		12/05/2022 13:25	WG1969377



Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	689		18.0	100	1	12/08/2022 16:21	WG1970541

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	101000		20000	1	12/07/2022 10:24	WG1969905	
Free Carbon Dioxide	ND	T8	20000	1	12/07/2022 10:24	WG1969905	

Sample Narrative:

L1562752-02 WG1969905: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	1040	T8	150	500	10	12/05/2022 15:58	WG1969545

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1970		50.0	100	1	12/05/2022 15:29	WG1967868

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	12/01/2022 17:20	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	43300		379	1000	1	12/02/2022 01:13	WG1968012
Sulfate	23600		594	5000	1	12/02/2022 01:13	WG1968012

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	4960	B	204	2000	2	12/02/2022 20:56	WG1968298

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1730		18.0	100	1	12/08/2022 16:21	WG1970541
Manganese	120		0.934	10.0	1	12/08/2022 16:21	WG1970541
Sodium	34000		504	3000	1	12/08/2022 16:21	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	189		2.91	10.0	1	12/06/2022 13:31	WG1969578
Ethane	U		4.07	13.0	1	12/06/2022 13:31	WG1969578
Ethene	U		4.26	13.0	1	12/06/2022 13:31	WG1969578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	12/05/2022 13:46	WG1969377
Benzene	U		0.0941	1.00	1	12/05/2022 13:46	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 13:46	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 13:46	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 13:46	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 13:46	WG1969377
Carbon disulfide	U		0.0962	1.00	1	12/05/2022 13:46	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 13:46	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 13:46	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 13:46	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 13:46	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 13:46	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 13:46	WG1969377
Cyclohexane	U		0.188	1.00	1	12/05/2022 13:46	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 13:46	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 13:46	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 13:46	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 13:46	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 13:46	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 13:46	WG1969377
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 13:46	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 13:46	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 13:46	WG1969377
cis-1,2-Dichloroethene	0.137	U	0.126	1.00	1	12/05/2022 13:46	WG1969377
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 13:46	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 13:46	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 13:46	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 13:46	WG1969377
Ethylbenzene	U		0.137	1.00	1	12/05/2022 13:46	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 13:46	WG1969377
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 13:46	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 13:46	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 13:46	WG1969377
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 13:46	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 13:46	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 13:46	WG1969377
Methyl tert-butyl ether	3.67		0.101	1.00	1	12/05/2022 13:46	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 13:46	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 13:46	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 13:46	WG1969377
Toluene	U		0.278	1.00	1	12/05/2022 13:46	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 13:46	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 13:46	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 13:46	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 13:46	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 13:46	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 13:46	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 13:46	WG1969377
Vinyl chloride	U		0.234	1.00	1	12/05/2022 13:46	WG1969377
Xylenes, Total	U		0.174	3.00	1	12/05/2022 13:46	WG1969377
(S) Toluene-d8	99.0			80.0-120		12/05/2022 13:46	WG1969377
(S) 4-Bromofluorobenzene	90.1			77.0-126		12/05/2022 13:46	WG1969377
(S) 1,2-Dichloroethane-d4	113			70.0-130		12/05/2022 13:46	WG1969377

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		18.0	100	1	12/08/2022 16:24	WG1970541

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	389000		20000	1	12/07/2022 10:31		WG1969905
Free Carbon Dioxide	93200	B T8	20000	1	12/07/2022 10:31		WG1969905

Sample Narrative:

L1562752-03 WG1969905: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	5480	T8	300	1000	20	12/04/2022 02:27	WG1968908

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	12/05/2022 15:30	WG1967868

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	12/01/2022 17:20	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	4690000		37900	100000	100	12/02/2022 02:48	WG1968012
Sulfate	525000		5940	50000	10	12/02/2022 02:33	WG1968012

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	6990	B	510	5000	5	12/02/2022 21:12	WG1968298

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3650		18.0	100	1	12/08/2022 16:24	WG1970541
Manganese	343		0.934	10.0	1	12/08/2022 16:24	WG1970541
Sodium	2510000		2520	15000	5	12/09/2022 02:26	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	684		2.91	10.0	1	12/06/2022 13:35	WG1969578
Ethane	U		4.07	13.0	1	12/06/2022 13:35	WG1969578
Ethene	U		4.26	13.0	1	12/06/2022 13:35	WG1969578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	12/05/2022 14:06	WG1969377
Benzene	U		0.0941	1.00	1	12/05/2022 14:06	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 14:06	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 14:06	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 14:06	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 14:06	WG1969377
Carbon disulfide	U		0.0962	1.00	1	12/05/2022 14:06	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 14:06	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 14:06	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 14:06	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 14:06	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 14:06	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 14:06	WG1969377
Cyclohexane	U		0.188	1.00	1	12/05/2022 14:06	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 14:06	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 14:06	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 14:06	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 14:06	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 14:06	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 14:06	WG1969377
1,1-Dichloroethane	0.381	U	0.100	1.00	1	12/05/2022 14:06	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 14:06	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 14:06	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 14:06	WG1969377
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 14:06	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 14:06	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 14:06	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 14:06	WG1969377
Ethylbenzene	U		0.137	1.00	1	12/05/2022 14:06	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 14:06	WG1969377
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 14:06	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 14:06	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 14:06	WG1969377
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 14:06	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 14:06	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 14:06	WG1969377
Methyl tert-butyl ether	0.247	U	0.101	1.00	1	12/05/2022 14:06	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 14:06	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 14:06	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 14:06	WG1969377
Toluene	U		0.278	1.00	1	12/05/2022 14:06	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 14:06	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 14:06	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 14:06	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 14:06	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 14:06	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 14:06	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 14:06	WG1969377
Vinyl chloride	U		0.234	1.00	1	12/05/2022 14:06	WG1969377
Xylenes, Total	U		0.174	3.00	1	12/05/2022 14:06	WG1969377
(S) Toluene-d8	99.0			80.0-120		12/05/2022 14:06	WG1969377
(S) 4-Bromofluorobenzene	91.0			77.0-126		12/05/2022 14:06	WG1969377
(S) 1,2-Dichloroethane-d4	116			70.0-130		12/05/2022 14:06	WG1969377

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	479		15.0	50.0	1	12/08/2022 16:33	WG1970541

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	483000		20000	1	12/07/2022 10:36		WG1969905
Free Carbon Dioxide	53000	B T8	20000	1	12/07/2022 10:36		WG1969905

Sample Narrative:

L1562752-04 WG1969905: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	31.0	J T8	15.0	50.0	1	12/02/2022 22:04	WG1968616

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		500	1000	10	12/05/2022 15:31	WG1967868

Sample Narrative:

L1562752-04 WG1967868: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	787		25.0	50.0	1	12/01/2022 17:20	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	2160000		37900	100000	100	12/02/2022 03:20	WG1968012
Sulfate	52700		594	5000	1	12/02/2022 03:04	WG1968012

Wet Chemistry by Method 9060A

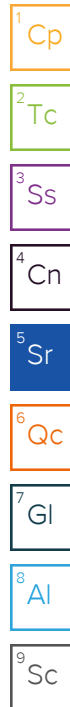
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	37400		102	1000	1	12/02/2022 21:55	WG1968298

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	510		18.0	100	1	12/08/2022 16:33	WG1970541
Manganese	111		0.934	10.0	1	12/08/2022 16:33	WG1970541
Sodium	1270000		2520	15000	5	12/09/2022 02:29	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	9050		29.1	100	10	12/07/2022 08:55	WG1970148
Ethane	35.2		4.07	13.0	1	12/06/2022 13:37	WG1969578

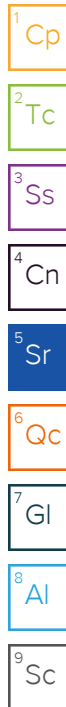


Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	U		4.26	13.0	1	12/06/2022 13:37	WG1969578

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	12/05/2022 14:26	WG1969377
Benzene	10.9		0.0941	1.00	1	12/05/2022 14:26	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 14:26	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 14:26	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 14:26	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 14:26	WG1969377
Carbon disulfide	0.174	U	0.0962	1.00	1	12/05/2022 14:26	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 14:26	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 14:26	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 14:26	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 14:26	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 14:26	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 14:26	WG1969377
Cyclohexane	U		0.188	1.00	1	12/05/2022 14:26	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 14:26	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 14:26	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 14:26	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 14:26	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 14:26	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 14:26	WG1969377
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 14:26	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 14:26	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 14:26	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 14:26	WG1969377
trans-1,2-Dichloroethene	0.561	U	0.149	1.00	1	12/05/2022 14:26	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 14:26	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 14:26	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 14:26	WG1969377
Ethylbenzene	1.69		0.137	1.00	1	12/05/2022 14:26	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 14:26	WG1969377
Isopropylbenzene	0.427	U	0.105	1.00	1	12/05/2022 14:26	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 14:26	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 14:26	WG1969377
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 14:26	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 14:26	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 14:26	WG1969377
Methyl tert-butyl ether	65.3		0.101	1.00	1	12/05/2022 14:26	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 14:26	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 14:26	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 14:26	WG1969377
Toluene	0.278	U	0.278	1.00	1	12/05/2022 14:26	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 14:26	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 14:26	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 14:26	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 14:26	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 14:26	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 14:26	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 14:26	WG1969377
Vinyl chloride	2.12		0.234	1.00	1	12/05/2022 14:26	WG1969377
Xylenes, Total	3.19		0.174	3.00	1	12/05/2022 14:26	WG1969377
(S) Toluene-d8	97.4			80.0-120		12/05/2022 14:26	WG1969377



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	87.9			77.0-126		12/05/2022 14:26	WG1969377
(S) 1,2-Dichloroethane-d4	112			70.0-130		12/05/2022 14:26	WG1969377

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	12/08/2022 16:36	WG1970541

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	41400		20000	1	12/07/2022 10:41		WG1969905
Free Carbon Dioxide	ND	T8	20000	1	12/07/2022 10:41		WG1969905

Sample Narrative:

L1562752-05 WG1969905: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	1590	T8	75.0	250	5	12/05/2022 15:58	WG1969545

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	65.9	J	50.0	100	1	12/05/2022 15:32	WG1967868

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	25.0	J	25.0	50.0	1	12/01/2022 17:21	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	29000		379	1000	1	12/02/2022 03:36	WG1968012
Sulfate	6840		594	5000	1	12/02/2022 03:36	WG1968012

Wet Chemistry by Method 9060A

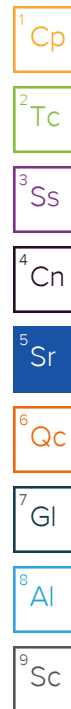
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5660	B	510	5000	5	12/02/2022 23:05	WG1968298

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1510		18.0	100	1	12/08/2022 16:36	WG1970541
Manganese	12.3		0.934	10.0	1	12/08/2022 16:36	WG1970541
Sodium	17400		504	3000	1	12/08/2022 16:36	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	4660		2.91	10.0	1	12/06/2022 13:42	WG1969578
Ethane	U		4.07	13.0	1	12/06/2022 13:42	WG1969578
Ethene	U		4.26	13.0	1	12/06/2022 13:42	WG1969578



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	12/05/2022 14:47	WG1969377
Benzene	U		0.0941	1.00	1	12/05/2022 14:47	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 14:47	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 14:47	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 14:47	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 14:47	WG1969377
Carbon disulfide	U		0.0962	1.00	1	12/05/2022 14:47	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 14:47	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 14:47	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 14:47	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 14:47	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 14:47	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 14:47	WG1969377
Cyclohexane	U		0.188	1.00	1	12/05/2022 14:47	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 14:47	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 14:47	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 14:47	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 14:47	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 14:47	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 14:47	WG1969377
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 14:47	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 14:47	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 14:47	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 14:47	WG1969377
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 14:47	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 14:47	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 14:47	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 14:47	WG1969377
Ethylbenzene	U		0.137	1.00	1	12/05/2022 14:47	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 14:47	WG1969377
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 14:47	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 14:47	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 14:47	WG1969377
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 14:47	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 14:47	WG1969377
4-Methyl-2-pentanone (MIBK)	0.744	U	0.478	10.0	1	12/05/2022 14:47	WG1969377
Methyl tert-butyl ether	15.9		0.101	1.00	1	12/05/2022 14:47	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 14:47	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 14:47	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 14:47	WG1969377
Toluene	U		0.278	1.00	1	12/05/2022 14:47	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 14:47	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 14:47	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 14:47	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 14:47	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 14:47	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 14:47	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 14:47	WG1969377
Vinyl chloride	U		0.234	1.00	1	12/05/2022 14:47	WG1969377
Xylenes, Total	U		0.174	3.00	1	12/05/2022 14:47	WG1969377
(S) Toluene-d8	96.0			80.0-120		12/05/2022 14:47	WG1969377
(S) 4-Bromofluorobenzene	87.6			77.0-126		12/05/2022 14:47	WG1969377
(S) 1,2-Dichloroethane-d4	117			70.0-130		12/05/2022 14:47	WG1969377

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Ferric Iron	1520		18.0	100	1	12/08/2022 16:38	WG1970541

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l				
Alkalinity	669000		20000	1	12/07/2022 11:01		WG1969905
Free Carbon Dioxide	67700	B T8	20000	1	12/07/2022 11:01		WG1969905

Sample Narrative:

L1562752-06 WG1969905: 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	574	T8	150	500	10	12/05/2022 15:59	WG1969545

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		2500	5000	50	12/06/2022 12:56	WG1967870

Sample Narrative:

L1562752-06 WG1967870: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Sulfide	12300		500	1000	20	12/01/2022 17:23	WG1967875

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Chloride	3450000		37900	100000	100	12/02/2022 04:08	WG1968012
Sulfate	120000		594	5000	1	12/02/2022 03:52	WG1968012

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)	25600		510	5000	5	12/02/2022 23:21	WG1968298

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Iron	2090		18.0	100	1	12/08/2022 16:38	WG1970541
Manganese	19.5		0.934	10.0	1	12/08/2022 16:38	WG1970541
Sodium	1100000		2520	15000	5	12/09/2022 02:32	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte	ug/l		ug/l	ug/l			
Methane	5180		2.91	10.0	1	12/06/2022 13:52	WG1969578
Ethane	381		4.07	13.0	1	12/06/2022 13:52	WG1969578

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
Ethene	118		4.26	13.0	1	12/06/2022 13:52	WG1969578

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	12/05/2022 15:07	WG1969377
Benzene	5.87		0.0941	1.00	1	12/05/2022 15:07	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 15:07	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 15:07	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 15:07	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 15:07	WG1969377
Carbon disulfide	0.346	U	0.0962	1.00	1	12/05/2022 15:07	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 15:07	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 15:07	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 15:07	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 15:07	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 15:07	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 15:07	WG1969377
Cyclohexane	1.93	C5	0.188	1.00	1	12/05/2022 15:07	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 15:07	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 15:07	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 15:07	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 15:07	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 15:07	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 15:07	WG1969377
1,1-Dichloroethane	0.959	U	0.100	1.00	1	12/05/2022 15:07	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 15:07	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 15:07	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 15:07	WG1969377
trans-1,2-Dichloroethene	20.6		0.149	1.00	1	12/05/2022 15:07	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 15:07	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 15:07	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 15:07	WG1969377
Ethylbenzene	6.90		0.137	1.00	1	12/05/2022 15:07	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 15:07	WG1969377
Isopropylbenzene	1.16		0.105	1.00	1	12/05/2022 15:07	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 15:07	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 15:07	WG1969377
Methyl Cyclohexane	4.24		0.660	1.00	1	12/05/2022 15:07	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 15:07	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 15:07	WG1969377
Methyl tert-butyl ether	123		0.101	1.00	1	12/05/2022 15:07	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 15:07	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 15:07	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 15:07	WG1969377
Toluene	0.339	U	0.278	1.00	1	12/05/2022 15:07	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 15:07	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 15:07	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 15:07	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 15:07	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 15:07	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 15:07	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 15:07	WG1969377
Vinyl chloride	4.80		0.234	1.00	1	12/05/2022 15:07	WG1969377
Xylenes, Total	2.89	U	0.174	3.00	1	12/05/2022 15:07	WG1969377
(S) Toluene-d8	98.2			80.0-120		12/05/2022 15:07	WG1969377

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	89.6			77.0-126		12/05/2022 15:07	WG1969377
(S) 1,2-Dichloroethane-d4	115			70.0-130		12/05/2022 15:07	WG1969377

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	12/08/2022 16:41	WG1970541

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	639000		20000	1	12/07/2022 11:06		WG1969905
Free Carbon Dioxide	47000	B T8	20000	1	12/07/2022 11:06		WG1969905

Sample Narrative:

L1562752-07 WG1969905: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	1010	T8	15.0	50.0	1	12/04/2022 02:29	WG1968908

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		500	1000	10	12/06/2022 12:57	WG1967870

Sample Narrative:

L1562752-07 WG1967870: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	17000		500	1000	20	12/01/2022 17:24	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	3900000		37900	100000	100	12/02/2022 04:40	WG1968012
Sulfate	200000		2970	25000	5	12/02/2022 04:24	WG1968012

Wet Chemistry by Method 9060A

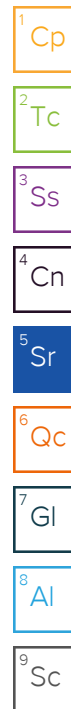
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	13200		102	1000	1	12/03/2022 15:11	WG1968298

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	431		18.0	100	1	12/08/2022 16:41	WG1970541
Manganese	46.5		0.934	10.0	1	12/08/2022 16:41	WG1970541
Sodium	2120000		2520	15000	5	12/09/2022 02:35	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1870		2.91	10.0	1	12/06/2022 13:56	WG1969578
Ethane	U		4.07	13.0	1	12/06/2022 13:56	WG1969578



Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	27.6		4.26	13.0	1	12/06/2022 13:56	WG1969578

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	12/05/2022 15:27	WG1969377
Benzene	3.41		0.0941	1.00	1	12/05/2022 15:27	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 15:27	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 15:27	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 15:27	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 15:27	WG1969377
Carbon disulfide	0.263	U	0.0962	1.00	1	12/05/2022 15:27	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 15:27	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 15:27	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 15:27	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 15:27	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 15:27	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 15:27	WG1969377
Cyclohexane	U		0.188	1.00	1	12/05/2022 15:27	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 15:27	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 15:27	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 15:27	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 15:27	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 15:27	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 15:27	WG1969377
1,1-Dichloroethane	0.362	U	0.100	1.00	1	12/05/2022 15:27	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 15:27	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 15:27	WG1969377
cis-1,2-Dichloroethene	0.617	U	0.126	1.00	1	12/05/2022 15:27	WG1969377
trans-1,2-Dichloroethene	1.92		0.149	1.00	1	12/05/2022 15:27	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 15:27	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 15:27	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 15:27	WG1969377
Ethylbenzene	0.321	U	0.137	1.00	1	12/05/2022 15:27	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 15:27	WG1969377
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 15:27	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 15:27	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 15:27	WG1969377
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 15:27	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 15:27	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 15:27	WG1969377
Methyl tert-butyl ether	16.7		0.101	1.00	1	12/05/2022 15:27	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 15:27	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 15:27	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 15:27	WG1969377
Toluene	0.424	U	0.278	1.00	1	12/05/2022 15:27	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 15:27	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 15:27	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 15:27	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 15:27	WG1969377
Trichloroethene	0.242	U	0.190	1.00	1	12/05/2022 15:27	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 15:27	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 15:27	WG1969377
Vinyl chloride	17.4		0.234	1.00	1	12/05/2022 15:27	WG1969377
Xylenes, Total	0.817	U	0.174	3.00	1	12/05/2022 15:27	WG1969377
(S) Toluene-d8	98.8			80.0-120		12/05/2022 15:27	WG1969377



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	86.4			77.0-126		12/05/2022 15:27	WG1969377
(S) 1,2-Dichloroethane-d4	117			70.0-130		12/05/2022 15:27	WG1969377

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	698		15.0	50.0	1	12/08/2022 16:44	WG1970541

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	330000		20000	1	12/07/2022 11:11		WG1969905
Free Carbon Dioxide	33300	B T8	20000	1	12/07/2022 11:11		WG1969905

Sample Narrative:

L1562752-08 WG1969905: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	252	T8	15.0	50.0	1	12/02/2022 22:05	WG1968616

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	12/06/2022 12:58	WG1967870

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	12/01/2022 17:24	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	3550000		37900	100000	100	12/02/2022 05:43	WG1968012
Sulfate	389000		5940	50000	10	12/02/2022 04:56	WG1968012

Wet Chemistry by Method 9060A

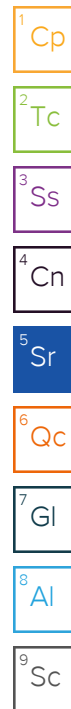
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5730	B	204	2000	2	12/03/2022 16:13	WG1968298

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	950		18.0	100	1	12/08/2022 16:44	WG1970541
Manganese	137		0.934	10.0	1	12/08/2022 16:44	WG1970541
Sodium	973000		504	3000	1	12/08/2022 16:44	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	226		2.91	10.0	1	12/07/2022 08:57	WG1970148
Ethane	U		4.07	13.0	1	12/07/2022 08:57	WG1970148
Ethene	U		4.26	13.0	1	12/07/2022 08:57	WG1970148



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	12/05/2022 15:59	WG1969377
Benzene	U		0.0941	1.00	1	12/05/2022 15:59	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 15:59	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 15:59	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 15:59	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 15:59	WG1969377
Carbon disulfide	0.106	L	0.0962	1.00	1	12/05/2022 15:59	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 15:59	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 15:59	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 15:59	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 15:59	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 15:59	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 15:59	WG1969377
Cyclohexane	U		0.188	1.00	1	12/05/2022 15:59	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 15:59	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 15:59	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 15:59	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 15:59	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 15:59	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 15:59	WG1969377
1,1-Dichloroethane	0.294	L	0.100	1.00	1	12/05/2022 15:59	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 15:59	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 15:59	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 15:59	WG1969377
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 15:59	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 15:59	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 15:59	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 15:59	WG1969377
Ethylbenzene	U		0.137	1.00	1	12/05/2022 15:59	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 15:59	WG1969377
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 15:59	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 15:59	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 15:59	WG1969377
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 15:59	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 15:59	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 15:59	WG1969377
Methyl tert-butyl ether	0.107	L	0.101	1.00	1	12/05/2022 15:59	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 15:59	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 15:59	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 15:59	WG1969377
Toluene	U		0.278	1.00	1	12/05/2022 15:59	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 15:59	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 15:59	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 15:59	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 15:59	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 15:59	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 15:59	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 15:59	WG1969377
Vinyl chloride	U		0.234	1.00	1	12/05/2022 15:59	WG1969377
Xylenes, Total	U		0.174	3.00	1	12/05/2022 15:59	WG1969377
(S) Toluene-d8	98.0			80.0-120		12/05/2022 15:59	WG1969377
(S) 4-Bromofluorobenzene	86.8			77.0-126		12/05/2022 15:59	WG1969377
(S) 1,2-Dichloroethane-d4	114			70.0-130		12/05/2022 15:59	WG1969377

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		18.0	100	1	12/08/2022 16:47	WG1970541

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	533000		20000	1	12/07/2022 11:16	WG1969905	
Free Carbon Dioxide	ND	T8	20000	1	12/07/2022 11:16	WG1969905	

Sample Narrative:

L1562752-09 WG1969905: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	20300	T8	300	1000	20	12/05/2022 16:00	WG1969545

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		250	500	5	12/06/2022 13:03	WG1967870

Sample Narrative:

L1562752-09 WG1967870: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	12/01/2022 17:25	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	128000		379	1000	1	12/02/2022 05:59	WG1968012
Sulfate	47500		594	5000	1	12/02/2022 05:59	WG1968012

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	23500		102	1000	1	12/03/2022 16:39	WG1968298

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	10700		18.0	100	1	12/08/2022 16:47	WG1970541
Manganese	2000		0.934	10.0	1	12/08/2022 16:47	WG1970541
Sodium	97800		504	3000	1	12/08/2022 16:47	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

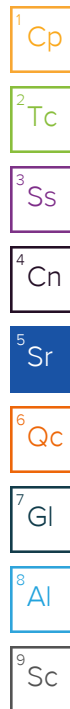
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	6830		29.1	100	10	12/07/2022 14:50	WG1970725
Ethane	U		4.07	13.0	1	12/07/2022 09:00	WG1970148

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethene	U		4.26	13.0	1	12/07/2022 09:00	WG1970148

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	12/05/2022 16:19	WG1969377
Benzene	0.987	U	0.0941	1.00	1	12/05/2022 16:19	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 16:19	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 16:19	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 16:19	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 16:19	WG1969377
Carbon disulfide	0.157	U	0.0962	1.00	1	12/05/2022 16:19	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 16:19	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 16:19	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 16:19	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 16:19	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 16:19	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 16:19	WG1969377
Cyclohexane	5.97	C5	0.188	1.00	1	12/05/2022 16:19	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 16:19	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 16:19	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 16:19	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 16:19	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 16:19	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 16:19	WG1969377
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 16:19	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 16:19	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 16:19	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 16:19	WG1969377
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 16:19	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 16:19	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 16:19	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 16:19	WG1969377
Ethylbenzene	0.461	U	0.137	1.00	1	12/05/2022 16:19	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 16:19	WG1969377
Isopropylbenzene	1.76		0.105	1.00	1	12/05/2022 16:19	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 16:19	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 16:19	WG1969377
Methyl Cyclohexane	5.63		0.660	1.00	1	12/05/2022 16:19	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 16:19	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 16:19	WG1969377
Methyl tert-butyl ether	U		0.101	1.00	1	12/05/2022 16:19	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 16:19	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 16:19	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 16:19	WG1969377
Toluene	U		0.278	1.00	1	12/05/2022 16:19	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 16:19	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 16:19	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 16:19	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 16:19	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 16:19	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 16:19	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 16:19	WG1969377
Vinyl chloride	U		0.234	1.00	1	12/05/2022 16:19	WG1969377
Xylenes, Total	1.22	U	0.174	3.00	1	12/05/2022 16:19	WG1969377
(S) Toluene-d8	89.3			80.0-120		12/05/2022 16:19	WG1969377



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	81.3			77.0-126		12/05/2022 16:19	WG1969377
(S) 1,2-Dichloroethane-d4	118			70.0-130		12/05/2022 16:19	WG1969377

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	12/08/2022 16:50	WG1970541

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	529000		20000	1	12/07/2022 11:21		WG1969905
Free Carbon Dioxide	87300	B T8	20000	1	12/07/2022 11:21		WG1969905

Sample Narrative:

L1562752-10 WG1969905: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	17700	T8	750	2500	50	12/04/2022 02:30	WG1968908

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	12/06/2022 13:08	WG1967870

Sample Narrative:

L1562752-10 WG1967870: Dilution due to matrix.

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	12/01/2022 17:25	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	14700000		37900	100000	100	12/02/2022 06:31	WG1968012
Sulfate	1680000		5940	50000	10	12/02/2022 06:15	WG1968012

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	8800		204	2000	2	12/03/2022 17:23	WG1968298

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	16900		18.0	100	1	12/08/2022 16:50	WG1970541
Manganese	379		0.934	10.0	1	12/08/2022 16:50	WG1970541
Sodium	8400000		5040	30000	10	12/09/2022 02:38	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	26.3		2.91	10.0	1	12/07/2022 09:02	WG1970148
Ethane	U		4.07	13.0	1	12/07/2022 09:02	WG1970148

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
Ethene	U		4.26	13.0	1	12/07/2022 09:02	WG1970148

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	12/05/2022 16:39	WG1969377
Benzene	U		0.0941	1.00	1	12/05/2022 16:39	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 16:39	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 16:39	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 16:39	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 16:39	WG1969377
Carbon disulfide	U		0.0962	1.00	1	12/05/2022 16:39	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 16:39	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 16:39	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 16:39	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 16:39	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 16:39	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 16:39	WG1969377
Cyclohexane	U		0.188	1.00	1	12/05/2022 16:39	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 16:39	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 16:39	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 16:39	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 16:39	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 16:39	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 16:39	WG1969377
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 16:39	WG1969377
1,2-Dichloroethane	0.343	U	0.0819	1.00	1	12/05/2022 16:39	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 16:39	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 16:39	WG1969377
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 16:39	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 16:39	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 16:39	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 16:39	WG1969377
Ethylbenzene	U		0.137	1.00	1	12/05/2022 16:39	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 16:39	WG1969377
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 16:39	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 16:39	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 16:39	WG1969377
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 16:39	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 16:39	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 16:39	WG1969377
Methyl tert-butyl ether	0.198	U	0.101	1.00	1	12/05/2022 16:39	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 16:39	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 16:39	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 16:39	WG1969377
Toluene	U		0.278	1.00	1	12/05/2022 16:39	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 16:39	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 16:39	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 16:39	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 16:39	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 16:39	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 16:39	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 16:39	WG1969377
Vinyl chloride	U		0.234	1.00	1	12/05/2022 16:39	WG1969377
Xylenes, Total	U		0.174	3.00	1	12/05/2022 16:39	WG1969377
(S) Toluene-d8	101			80.0-120		12/05/2022 16:39	WG1969377



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	88.3			77.0-126		12/05/2022 16:39	WG1969377
(S) 1,2-Dichloroethane-d4	116			70.0-130		12/05/2022 16:39	WG1969377

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	4490		18.0	100	1	12/08/2022 16:53	WG1970541

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	308000		20000	1	12/02/2022 13:45		WG1968148
Free Carbon Dioxide	36300	B T8	20000	1	12/02/2022 13:45		WG1968148

Sample Narrative:

L1562752-11 WG1968148: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	372	T8	30.0	100	2	12/05/2022 16:00	WG1969545

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	515		50.0	100	1	12/06/2022 13:10	WG1967870

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	1280		125	250	5	12/01/2022 17:25	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	1680000		7580	20000	20	12/06/2022 17:25	WG1968461
Sulfate	111000		594	5000	1	12/06/2022 16:38	WG1968461

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	13300	B	510	5000	5	12/03/2022 17:41	WG1968298

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4860		18.0	100	1	12/08/2022 16:53	WG1970541
Manganese	28.9		0.934	10.0	1	12/08/2022 16:53	WG1970541
Sodium	416000		504	3000	1	12/08/2022 16:53	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	101		2.91	10.0	1	12/07/2022 09:04	WG1970148
Ethane	U		4.07	13.0	1	12/07/2022 09:04	WG1970148
Ethene	U		4.26	13.0	1	12/07/2022 09:04	WG1970148

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	12/05/2022 17:00	WG1969377
Benzene	U		0.0941	1.00	1	12/05/2022 17:00	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 17:00	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 17:00	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 17:00	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 17:00	WG1969377
Carbon disulfide	0.131	U	0.0962	1.00	1	12/05/2022 17:00	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 17:00	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 17:00	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 17:00	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 17:00	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 17:00	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 17:00	WG1969377
Cyclohexane	U		0.188	1.00	1	12/05/2022 17:00	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 17:00	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 17:00	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 17:00	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 17:00	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 17:00	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 17:00	WG1969377
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 17:00	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 17:00	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 17:00	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 17:00	WG1969377
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 17:00	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 17:00	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 17:00	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 17:00	WG1969377
Ethylbenzene	U		0.137	1.00	1	12/05/2022 17:00	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 17:00	WG1969377
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 17:00	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 17:00	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 17:00	WG1969377
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 17:00	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 17:00	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 17:00	WG1969377
Methyl tert-butyl ether	1.29		0.101	1.00	1	12/05/2022 17:00	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 17:00	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 17:00	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 17:00	WG1969377
Toluene	U		0.278	1.00	1	12/05/2022 17:00	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 17:00	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 17:00	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 17:00	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 17:00	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 17:00	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 17:00	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 17:00	WG1969377
Vinyl chloride	U		0.234	1.00	1	12/05/2022 17:00	WG1969377
Xylenes, Total	U		0.174	3.00	1	12/05/2022 17:00	WG1969377
(S) Toluene-d8	97.6			80.0-120		12/05/2022 17:00	WG1969377
(S) 4-Bromofluorobenzene	87.4			77.0-126		12/05/2022 17:00	WG1969377
(S) 1,2-Dichloroethane-d4	120			70.0-130		12/05/2022 17:00	WG1969377

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	22.9	J	15.0	50.0	1	12/08/2022 16:56	WG1970541

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	293000		20000	1	12/02/2022 13:51		WG1968148
Free Carbon Dioxide	37300	B T8	20000	1	12/02/2022 13:51		WG1968148

Sample Narrative:

L1562752-12 WG1968148: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	376	T8	15.0	50.0	1	12/05/2022 16:01	WG1969545

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	123		50.0	100	1	12/06/2022 13:11	WG1967870

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	102		25.0	50.0	1	12/01/2022 17:25	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	672000		3790	10000	10	12/06/2022 17:57	WG1968461
Sulfate	211000		5940	50000	10	12/06/2022 17:57	WG1968461

Wet Chemistry by Method 9060A

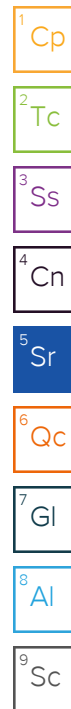
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	31900		204	2000	2	12/03/2022 18:02	WG1968298

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	399		18.0	100	1	12/08/2022 16:56	WG1970541
Manganese	75.6		0.934	10.0	1	12/08/2022 16:56	WG1970541
Sodium	425000		504	3000	1	12/08/2022 16:56	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1700		2.91	10.0	1	12/07/2022 09:08	WG1970148
Ethane	U		4.07	13.0	1	12/07/2022 09:08	WG1970148
Ethene	U		4.26	13.0	1	12/07/2022 09:08	WG1970148



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	12/05/2022 17:20	WG1969377
Benzene	0.390	U	0.0941	1.00	1	12/05/2022 17:20	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 17:20	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 17:20	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 17:20	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 17:20	WG1969377
Carbon disulfide	0.307	U	0.0962	1.00	1	12/05/2022 17:20	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 17:20	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 17:20	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 17:20	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 17:20	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 17:20	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 17:20	WG1969377
Cyclohexane	U		0.188	1.00	1	12/05/2022 17:20	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 17:20	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 17:20	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 17:20	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 17:20	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 17:20	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 17:20	WG1969377
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 17:20	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 17:20	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 17:20	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 17:20	WG1969377
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 17:20	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 17:20	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 17:20	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 17:20	WG1969377
Ethylbenzene	U		0.137	1.00	1	12/05/2022 17:20	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 17:20	WG1969377
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 17:20	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 17:20	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 17:20	WG1969377
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 17:20	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 17:20	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 17:20	WG1969377
Methyl tert-butyl ether	3.34		0.101	1.00	1	12/05/2022 17:20	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 17:20	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 17:20	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 17:20	WG1969377
Toluene	U		0.278	1.00	1	12/05/2022 17:20	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 17:20	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 17:20	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 17:20	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 17:20	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 17:20	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 17:20	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 17:20	WG1969377
Vinyl chloride	U		0.234	1.00	1	12/05/2022 17:20	WG1969377
Xylenes, Total	U		0.174	3.00	1	12/05/2022 17:20	WG1969377
(S) Toluene-d8	99.1			80.0-120		12/05/2022 17:20	WG1969377
(S) 4-Bromofluorobenzene	86.9			77.0-126		12/05/2022 17:20	WG1969377
(S) 1,2-Dichloroethane-d4	118			70.0-130		12/05/2022 17:20	WG1969377

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	231000		20000	1	12/02/2022 13:56	WG1968148
Free Carbon Dioxide	ND	T8	20000	1	12/02/2022 13:56	WG1968148

Sample Narrative:

L1562752-13 WG1968148: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		250	500	5	12/06/2022 13:12	WG1967870

Sample Narrative:

L1562752-13 WG1967870: Dilution due to matrix.

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	634000		3790	10000	10	12/06/2022 18:29	WG1968461
Sulfate	90200		594	5000	1	12/06/2022 18:13	WG1968461

Metals (ICP) by Method 6010D

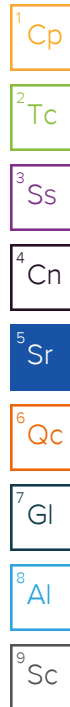
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	631		18.0	100	1	12/08/2022 16:59	WG1970541
Manganese	19.4		0.934	10.0	1	12/08/2022 16:59	WG1970541
Sodium	442000		504	3000	1	12/08/2022 16:59	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	11600		29.1	100	10	12/07/2022 14:52	WG1970725
Ethane	U		4.07	13.0	1	12/07/2022 09:10	WG1970148
Ethene	U		4.26	13.0	1	12/07/2022 09:10	WG1970148

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	12/05/2022 17:40	WG1969377
Benzene	27.1		0.0941	1.00	1	12/05/2022 17:40	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 17:40	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 17:40	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 17:40	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 17:40	WG1969377
Carbon disulfide	0.850	J	0.0962	1.00	1	12/05/2022 17:40	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 17:40	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 17:40	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 17:40	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 17:40	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 17:40	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 17:40	WG1969377
Cyclohexane	3.75	C5	0.188	1.00	1	12/05/2022 17:40	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 17:40	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 17:40	WG1969377



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 17:40	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 17:40	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 17:40	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 17:40	WG1969377
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 17:40	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 17:40	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 17:40	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 17:40	WG1969377
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 17:40	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 17:40	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 17:40	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 17:40	WG1969377
Ethylbenzene	0.936	U	0.137	1.00	1	12/05/2022 17:40	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 17:40	WG1969377
Isopropylbenzene	3.72		0.105	1.00	1	12/05/2022 17:40	WG1969377
2-Butanone (MEK)	1.92	U	1.19	10.0	1	12/05/2022 17:40	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 17:40	WG1969377
Methyl Cyclohexane	3.20		0.660	1.00	1	12/05/2022 17:40	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 17:40	WG1969377
4-Methyl-2-pentanone (MIBK)	1.90	U	0.478	10.0	1	12/05/2022 17:40	WG1969377
Methyl tert-butyl ether	8.16		0.101	1.00	1	12/05/2022 17:40	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 17:40	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 17:40	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 17:40	WG1969377
Toluene	3.21		0.278	1.00	1	12/05/2022 17:40	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 17:40	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 17:40	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 17:40	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 17:40	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 17:40	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 17:40	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 17:40	WG1969377
Vinyl chloride	U		0.234	1.00	1	12/05/2022 17:40	WG1969377
Xylenes, Total	5.73		0.174	3.00	1	12/05/2022 17:40	WG1969377
(S) Toluene-d8	95.9			80.0-120		12/05/2022 17:40	WG1969377
(S) 4-Bromofluorobenzene	90.1			77.0-126		12/05/2022 17:40	WG1969377
(S) 1,2-Dichloroethane-d4	118			70.0-130		12/05/2022 17:40	WG1969377

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferric Iron	U		15.0	50.0	1	12/08/2022 17:07	WG1970541

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Alkalinity	U		20000	1	12/02/2022 14:02	WG1968148	
Free Carbon Dioxide	ND	T8	20000	1	12/02/2022 14:02	WG1968148	

Sample Narrative:

L1562752-14 WG1968148: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Ferrous Iron	884	T8	15.0	50.0	1	12/02/2022 22:06	WG1968616

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		50.0	100	1	12/06/2022 13:14	WG1967870

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfide	U		25.0	50.0	1	12/01/2022 17:26	WG1967875

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Chloride	U		379	1000	1	12/06/2022 18:45	WG1968461
Sulfate	U		594	5000	1	12/06/2022 18:45	WG1968461

Wet Chemistry by Method 9060A

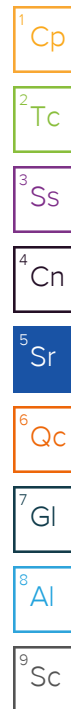
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	684	B J	102	1000	1	12/03/2022 19:00	WG1968298

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	U		18.0	100	1	12/08/2022 17:07	WG1970541
Manganese	U		0.934	10.0	1	12/08/2022 17:07	WG1970541
Sodium	653	J	504	3000	1	12/08/2022 17:07	WG1970541

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		2.91	10.0	1	12/07/2022 09:12	WG1970148
Ethane	U		4.07	13.0	1	12/07/2022 09:12	WG1970148
Ethene	U		4.26	13.0	1	12/07/2022 09:12	WG1970148



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	12/05/2022 12:45	WG1969377
Benzene	U		0.0941	1.00	1	12/05/2022 12:45	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 12:45	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 12:45	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 12:45	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 12:45	WG1969377
Carbon disulfide	U		0.0962	1.00	1	12/05/2022 12:45	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 12:45	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 12:45	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 12:45	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 12:45	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 12:45	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 12:45	WG1969377
Cyclohexane	U		0.188	1.00	1	12/05/2022 12:45	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 12:45	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 12:45	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 12:45	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 12:45	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 12:45	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 12:45	WG1969377
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 12:45	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 12:45	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 12:45	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 12:45	WG1969377
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 12:45	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 12:45	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 12:45	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 12:45	WG1969377
Ethylbenzene	U		0.137	1.00	1	12/05/2022 12:45	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 12:45	WG1969377
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 12:45	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 12:45	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 12:45	WG1969377
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 12:45	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 12:45	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 12:45	WG1969377
Methyl tert-butyl ether	U		0.101	1.00	1	12/05/2022 12:45	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 12:45	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 12:45	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 12:45	WG1969377
Toluene	U		0.278	1.00	1	12/05/2022 12:45	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 12:45	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 12:45	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 12:45	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 12:45	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 12:45	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 12:45	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 12:45	WG1969377
Vinyl chloride	U		0.234	1.00	1	12/05/2022 12:45	WG1969377
Xylenes, Total	U		0.174	3.00	1	12/05/2022 12:45	WG1969377
(S) Toluene-d8	97.6			80.0-120		12/05/2022 12:45	WG1969377
(S) 4-Bromofluorobenzene	86.3			77.0-126		12/05/2022 12:45	WG1969377
(S) 1,2-Dichloroethane-d4	115			70.0-130		12/05/2022 12:45	WG1969377

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	12/05/2022 13:05	WG1969377
Benzene	U		0.0941	1.00	1	12/05/2022 13:05	WG1969377
Bromochloromethane	U		0.128	1.00	1	12/05/2022 13:05	WG1969377
Bromodichloromethane	U		0.136	1.00	1	12/05/2022 13:05	WG1969377
Bromoform	U		0.129	1.00	1	12/05/2022 13:05	WG1969377
Bromomethane	U		0.605	5.00	1	12/05/2022 13:05	WG1969377
Carbon disulfide	U		0.0962	1.00	1	12/05/2022 13:05	WG1969377
Carbon tetrachloride	U		0.128	1.00	1	12/05/2022 13:05	WG1969377
Chlorobenzene	U		0.116	1.00	1	12/05/2022 13:05	WG1969377
Chlorodibromomethane	U		0.140	1.00	1	12/05/2022 13:05	WG1969377
Chloroethane	U		0.192	5.00	1	12/05/2022 13:05	WG1969377
Chloroform	U		0.111	5.00	1	12/05/2022 13:05	WG1969377
Chloromethane	U		0.960	2.50	1	12/05/2022 13:05	WG1969377
Cyclohexane	U		0.188	1.00	1	12/05/2022 13:05	WG1969377
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	12/05/2022 13:05	WG1969377
1,2-Dibromoethane	U		0.126	1.00	1	12/05/2022 13:05	WG1969377
1,2-Dichlorobenzene	U		0.107	1.00	1	12/05/2022 13:05	WG1969377
1,3-Dichlorobenzene	U		0.110	1.00	1	12/05/2022 13:05	WG1969377
1,4-Dichlorobenzene	U		0.120	1.00	1	12/05/2022 13:05	WG1969377
Dichlorodifluoromethane	U		0.374	5.00	1	12/05/2022 13:05	WG1969377
1,1-Dichloroethane	U		0.100	1.00	1	12/05/2022 13:05	WG1969377
1,2-Dichloroethane	U		0.0819	1.00	1	12/05/2022 13:05	WG1969377
1,1-Dichloroethene	U		0.188	1.00	1	12/05/2022 13:05	WG1969377
cis-1,2-Dichloroethene	U		0.126	1.00	1	12/05/2022 13:05	WG1969377
trans-1,2-Dichloroethene	U		0.149	1.00	1	12/05/2022 13:05	WG1969377
1,2-Dichloropropane	U		0.149	1.00	1	12/05/2022 13:05	WG1969377
cis-1,3-Dichloropropene	U		0.111	1.00	1	12/05/2022 13:05	WG1969377
trans-1,3-Dichloropropene	U		0.118	1.00	1	12/05/2022 13:05	WG1969377
Ethylbenzene	U		0.137	1.00	1	12/05/2022 13:05	WG1969377
2-Hexanone	U		0.787	10.0	1	12/05/2022 13:05	WG1969377
Isopropylbenzene	U		0.105	1.00	1	12/05/2022 13:05	WG1969377
2-Butanone (MEK)	U		1.19	10.0	1	12/05/2022 13:05	WG1969377
Methyl Acetate	U		1.29	20.0	1	12/05/2022 13:05	WG1969377
Methyl Cyclohexane	U		0.660	1.00	1	12/05/2022 13:05	WG1969377
Methylene Chloride	U		0.430	5.00	1	12/05/2022 13:05	WG1969377
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	12/05/2022 13:05	WG1969377
Methyl tert-butyl ether	U		0.101	1.00	1	12/05/2022 13:05	WG1969377
Styrene	U		0.118	1.00	1	12/05/2022 13:05	WG1969377
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	12/05/2022 13:05	WG1969377
Tetrachloroethene	U		0.300	1.00	1	12/05/2022 13:05	WG1969377
Toluene	U		0.278	1.00	1	12/05/2022 13:05	WG1969377
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	12/05/2022 13:05	WG1969377
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	12/05/2022 13:05	WG1969377
1,1,1-Trichloroethane	U		0.149	1.00	1	12/05/2022 13:05	WG1969377
1,1,2-Trichloroethane	U		0.158	1.00	1	12/05/2022 13:05	WG1969377
Trichloroethene	U		0.190	1.00	1	12/05/2022 13:05	WG1969377
Trichlorofluoromethane	U		0.160	5.00	1	12/05/2022 13:05	WG1969377
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	12/05/2022 13:05	WG1969377
Vinyl chloride	U		0.234	1.00	1	12/05/2022 13:05	WG1969377
Xylenes, Total	U		0.174	3.00	1	12/05/2022 13:05	WG1969377
(S) Toluene-d8	98.3			80.0-120		12/05/2022 13:05	WG1969377
(S) 4-Bromofluorobenzene	86.1			77.0-126		12/05/2022 13:05	WG1969377
(S) 1,2-Dichloroethane-d4	116			70.0-130		12/05/2022 13:05	WG1969377

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3867889-2 12/02/22 11:22

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

Sample Narrative:
BLANK: Endpoint pH 4.5

Method Blank (MB)

(MB) R3867889-3 12/02/22 11:22

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Free Carbon Dioxide	8950	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1562152-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1562152-01 12/02/22 11:31 • (DUP) R3867889-4 12/02/22 11:39

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	295000	292000	1	1.06		20

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

L1562152-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1562152-01 12/02/22 11:31 • (DUP) R3867889-5 12/02/22 11:39

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	15800	15200	1	4.14	J	20

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1562752-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1562752-14 12/02/22 14:02 • (DUP) R3867889-6 12/02/22 14:05

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

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5



L1562752-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1562752-14 12/02/22 14:02 • (DUP) R3867889-7 12/02/22 14:05

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

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3867889-1 12/02/22 11:14

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	ug/l	ug/l	%	%	
Alkalinity	100000	101000	101	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3869238-2 12/07/22 09:53

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

Sample Narrative:
BLANK: Endpoint pH 4.5

Method Blank (MB)

(MB) R3869238-3 12/07/22 09:53

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Free Carbon Dioxide	13100	J	6670	20000

Sample Narrative:
BLANK: Endpoint pH 4.5

L1562564-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1562564-04 12/07/22 10:04 • (DUP) R3869238-4 12/07/22 10:09

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	603000	604000	1	0.124		20

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

L1562564-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1562564-04 12/07/22 10:04 • (DUP) R3869238-5 12/07/22 10:09

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	52100	51800	1	0.637		20

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1562752-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1562752-10 12/07/22 11:21 • (DUP) R3869238-6 12/07/22 11:26

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	529000	533000	1	0.699		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1562752-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1562752-10 12/07/22 11:21 • (DUP) R3869238-7 12/07/22 11:26

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Free Carbon Dioxide	87300	79900	1	8.86		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3869238-1 12/07/22 09:46

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

Sample Narrative:

LCS: Endpoint pH 4.5



Method Blank (MB)

(MB) R3867702-1 12/02/22 21:54

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

L1562652-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1562652-03 12/02/22 21:56 • (DUP) R3867702-3 12/02/22 21:56

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	68.0	34.0	1	66.7	J P1	20

L1563112-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1563112-08 12/02/22 22:13 • (DUP) R3867702-8 12/02/22 22:14

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	1540	1560	1	1.22		20

Laboratory Control Sample (LCS)

(LCS) R3867702-2 12/02/22 21:55

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ferrous Iron	1000	914	91.4	85.0-115	

L1563112-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1563112-03 12/02/22 22:09 • (MS) R3867702-4 12/02/22 22:09 • (MSD) R3867702-5 12/02/22 22:10

	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	17.0	832	846	81.5	82.9	1	80.0-120			1.67	20

L1563112-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1563112-07 12/02/22 22:12 • (MS) R3867702-6 12/02/22 22:12 • (MSD) R3867702-7 12/02/22 22:13

	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	561	1390	1410	83.3	85.0	1	80.0-120			1.21	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3867881-1 12/04/22 02:19

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

L1562701-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1562701-01 12/04/22 02:26 • (DUP) R3867881-3 12/04/22 02:26

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

L1563577-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1563577-15 12/04/22 02:44 • (DUP) R3867881-4 12/04/22 02:47

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	23.0	20.0	1	14.0	⬇	20

Laboratory Control Sample (LCS)

(LCS) R3867881-2 12/04/22 02:19

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ferrous Iron	1000	938	93.8	85.0-115	

L1563577-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1563577-17 12/04/22 02:50 • (MS) R3867881-5 12/04/22 02:51 • (MSD) R3867881-6 12/04/22 02:51

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1000	150	960	969	81.0	81.9	1	80.0-120			0.933	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3868369-1 12/05/22 15:20

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

L1562195-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1562195-10 12/05/22 15:21 • (DUP) R3868369-3 12/05/22 15:21

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	4660	5020	20	7.43		20

L1563273-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1563273-10 12/05/22 16:07 • (DUP) R3868369-6 12/05/22 16:07

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ferrous Iron	28.0	31.0	1	10.2	⬇	20

Laboratory Control Sample (LCS)

(LCS) R3868369-2 12/05/22 15:20

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ferrous Iron	1000	923	92.3	85.0-115	

L1562701-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562701-02 12/05/22 15:57 • (MS) R3868369-4 12/05/22 15:57 • (MSD) R3868369-5 12/05/22 15:57

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1000	U	927	963	92.7	96.3	1	80.0-120			3.81	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3868348-1 12/05/22 14:57

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

L1562714-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1562714-01 12/05/22 15:18 • (DUP) R3868348-9 12/05/22 15:20

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Nitrate-Nitrite	122	128	1	4.80		20

L1562685-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1562685-06 12/05/22 15:43 • (DUP) R3868348-11 12/05/22 15:44

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

Laboratory Control Sample (LCS)

(LCS) R3868348-2 12/05/22 14:58

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Nitrate-Nitrite	2500	2550	102	90.0-110	

L1562714-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1562714-01 12/05/22 15:18 • (MS) R3868348-10 12/05/22 15:21

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Nitrate-Nitrite	2500	122	2840	109	1	90.0-110	

L1562685-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562685-06 12/05/22 15:43 • (MS) R3868348-12 12/05/22 15:45 • (MSD) R3868348-13 12/05/22 15:46

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate-Nitrite	2500	U	2790	2580	112	103	1	90.0-110	J5		7.82	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3868688-1 12/06/22 12:53

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

L1562752-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1562752-08 12/06/22 12:58 • (DUP) R3868688-3 12/06/22 13:00

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

L1562874-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1562874-04 12/06/22 13:19 • (DUP) R3868688-6 12/06/22 13:20

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

Laboratory Control Sample (LCS)

(LCS) R3868688-2 12/06/22 12:54

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Nitrate-Nitrite	2500	2530	101	90.0-110	

L1562752-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562752-08 12/06/22 12:58 • (MS) R3868688-4 12/06/22 13:01 • (MSD) R3868688-5 12/06/22 13:02

	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	U	2540	2560	102	102	1	90.0-110			0.784	20

L1562874-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1562874-04 12/06/22 13:19 • (MS) R3868688-7 12/06/22 13:25

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Nitrate-Nitrite	2500	U	2490	99.6	1	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3867253-1 12/01/22 16:58

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1562248-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1562248-02 12/01/22 17:19 • (DUP) R3867253-5 12/01/22 17:19

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

L1562752-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1562752-05 12/01/22 17:21 • (DUP) R3867253-6 12/01/22 17:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfide	25.0	26.0	1	3.92	⏏	20

Laboratory Control Sample (LCS)

(LCS) R3867253-2 12/01/22 16:58

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfide	500	514	103	85.0-115	

L1562195-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562195-05 12/01/22 17:11 • (MS) R3867253-3 12/01/22 17:11 • (MSD) R3867253-4 12/01/22 17:18

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfide	500	U	227	273	45.4	54.6	1	80.0-120	J6	J6	18.4	20

Method Blank (MB)

(MB) R3867866-1 12/01/22 22:02

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

L1562752-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1562752-02 12/02/22 01:13 • (DUP) R3867866-3 12/02/22 01:29

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	43300	43200	1	0.0856		15
Sulfate	23600	23600	1	0.215		15

L1562776-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1562776-07 12/02/22 08:54 • (DUP) R3867866-5 12/02/22 09:10

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	4500	4490	1	0.356		15
Sulfate	25700	25700	1	0.0214		15

Laboratory Control Sample (LCS)

(LCS) R3867866-2 12/01/22 22:18

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	42300	106	80.0-120	
Sulfate	40000	43200	108	80.0-120	

L1562752-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1562752-02 12/02/22 01:13 • (MS) R3867866-4 12/02/22 01:45

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Chloride	50000	43300	92100	97.8	1	80.0-120	
Sulfate	50000	23600	73900	101	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1562776-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562776-07 12/02/22 08:54 • (MS) R3867866-6 12/02/22 09:26 • (MSD) R3867866-7 12/02/22 09:42

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	4500	53100	52900	97.2	96.9	1	80.0-120			0.288	15
Sulfate	50000	25700	72800	72500	94.2	93.8	1	80.0-120			0.312	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3869122-1 12/06/22 13:50

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

L1562557-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1562557-01 12/06/22 15:02 • (DUP) R3869122-3 12/06/22 15:18

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	4450	4380	1	1.59		15
Sulfate	U	U	1	0.000		15

L1563044-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1563044-05 12/06/22 22:12 • (DUP) R3869122-6 12/06/22 22:28

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Chloride	39300	39300	1	0.0506		15

Laboratory Control Sample (LCS)

(LCS) R3869122-2 12/06/22 14:06

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Chloride	40000	41000	103	80.0-120	
Sulfate	40000	41400	103	80.0-120	

L1562557-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562557-01 12/06/22 15:02 • (MS) R3869122-4 12/06/22 15:34 • (MSD) R3869122-5 12/06/22 15:50

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Chloride	50000	4450	56300	56300	104	104	1	80.0-120			0.0268	15
Sulfate	50000	U	51400	51400	103	103	1	80.0-120			0.0763	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1563044-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1563044-05 12/06/22 22:12 • (MS) R3869122-7 12/06/22 22:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50000	39300	89100	99.6	1	80.0-120	
Sulfate	50000	459000	489000	59.2	1	80.0-120	<u>EV</u>

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3867823-2 12/02/22 11:46

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	355		102	1000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3867882-2 12/03/22 14:51

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	268		102	1000

L1562752-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1562752-03 12/02/22 21:12 • (DUP) R3867823-3 12/02/22 21:28

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	6990	6230	5	11.4		20

L1562752-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1562752-09 12/03/22 16:39 • (DUP) R3867882-5 12/03/22 17:01

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	23500	24400	1	3.68		20

Laboratory Control Sample (LCS)

(LCS) R3867823-1 12/02/22 11:33

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	75000	80800	108	85.0-115	

Laboratory Control Sample (LCS)

(LCS) R3867882-1 12/03/22 14:32

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	75000	78900	105	85.0-115	

L1562752-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562752-04 12/02/22 21:55 • (MS) R3867823-4 12/02/22 22:22 • (MSD) R3867823-5 12/02/22 22:49

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	37400	81900	83100	88.9	91.4	1	80.0-120			1.54	20

L1562752-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562752-07 12/03/22 15:11 • (MS) R3867882-3 12/03/22 15:31 • (MSD) R3867882-4 12/03/22 15:52

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 %
TOC (Total Organic Carbon)	50000	13200	65100	67100	104	108	1	80.0-120			3.07	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3869855-1 12/08/22 15:58

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) R3869855-2 12/08/22 16:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	9730	97.3	80.0-120	
Manganese	1000	934	93.4	80.0-120	
Sodium	10000	10000	100	80.0-120	

L1562954-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1562954-06 12/08/22 16:04 • (MS) R3869855-4 12/08/22 16:09 • (MSD) R3869855-5 12/08/22 16:12

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	13800	24900	25200	111	113	1	75.0-125			0.990	20
Manganese	1000	928	1820	1810	89.1	88.6	1	75.0-125			0.259	20
Sodium	10000	11100	20700	20900	95.6	97.5	1	75.0-125			0.897	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3868765-2 12/06/22 13:17

	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

L1562641-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1562641-03 12/06/22 13:28 • (DUP) R3868765-3 12/06/22 14:26

	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

L1562874-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1562874-08 12/06/22 14:28 • (DUP) R3868765-4 12/06/22 15:13

	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) R3868765-1 12/06/22 13:14 • (LCSD) R3868765-5 12/06/22 15:23

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	67.4	74.9	99.4	110	85.0-115			10.5	20
Ethane	129	121	127	93.8	98.4	85.0-115			4.84	20
Ethene	127	122	127	96.1	100	85.0-115			4.02	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3869050-2 12/07/22 08:48

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

L1562752-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1562752-14 12/07/22 09:12 • (DUP) R3869050-3 12/07/22 09:36

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

L1563311-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1563311-04 12/07/22 09:51 • (DUP) R3869050-4 12/07/22 10:13

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	27.0	32.5	1	18.5		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) R3869050-1 12/07/22 08:44 • (LCSD) R3869050-7 12/07/22 10:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	70.5	78.0	104	115	85.0-115			10.1	20
Ethane	129	127	139	98.4	108	85.0-115			9.02	20
Ethene	127	128	140	101	110	85.0-115			8.96	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1563093-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1563093-02 12/07/22 09:39 • (MS) R3869050-5 12/07/22 10:16 • (MSD) R3869050-6 12/07/22 10:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Methane	67.8	302	387	375	125	108	1	50.0-150			3.15	20
Ethane	129	U	136	131	105	102	1	50.0-150			3.75	20
Ethene	127	U	136	129	107	102	1	50.0-150			5.28	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3869305-2 12/07/22 14:47

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Methane	U		2.91	10.0

L1563389-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1563389-16 12/07/22 15:11 • (DUP) R3869305-3 12/07/22 15:36

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

L1563389-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1563389-21 12/07/22 15:41 • (DUP) R3869305-4 12/07/22 15:48

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

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

(LCS) R3869305-1 12/07/22 14:43 • (LCSD) R3869305-5 12/07/22 15:55

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	75.9	73.7	112	109	85.0-115			2.94	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3868999-3 12/05/22 11:02

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3868999-3 12/05/22 11:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	99.9			80.0-120
(S) 4-Bromofluorobenzene	86.0			77.0-126
(S) 1,2-Dichloroethane-d4	115			70.0-130

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

(LCS) R3868999-1 12/05/22 10:02 • (LCSD) R3868999-2 12/05/22 10:22

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	21.7	18.7	86.8	74.8	19.0-160			14.9	27
Benzene	5.00	5.65	5.21	113	104	70.0-123			8.10	20
Bromochloromethane	5.00	5.23	5.16	105	103	76.0-122			1.35	20
Bromodichloromethane	5.00	5.73	5.26	115	105	75.0-120			8.55	20
Bromoform	5.00	5.26	4.96	105	99.2	68.0-132			5.87	20
Bromomethane	5.00	5.42	4.83	108	96.6	10.0-160			11.5	25
Carbon disulfide	5.00	4.93	4.45	98.6	89.0	61.0-128			10.2	20
Carbon tetrachloride	5.00	5.92	5.28	118	106	68.0-126			11.4	20
Chlorobenzene	5.00	4.93	4.66	98.6	93.2	80.0-121			5.63	20
Chlorodibromomethane	5.00	5.08	4.80	102	96.0	77.0-125			5.67	20
Chloroethane	5.00	5.35	4.78	107	95.6	47.0-150			11.3	20
Chloroform	5.00	5.73	5.37	115	107	73.0-120			6.49	20
Chloromethane	5.00	5.37	5.07	107	101	41.0-142			5.75	20
Cyclohexane	5.00	6.07	5.34	121	107	71.0-124			12.8	20
1,2-Dibromo-3-Chloropropane	5.00	4.94	4.60	98.8	92.0	58.0-134			7.13	20
1,2-Dibromoethane	5.00	5.29	4.97	106	99.4	80.0-122			6.24	20
1,2-Dichlorobenzene	5.00	4.70	4.54	94.0	90.8	79.0-121			3.46	20
1,3-Dichlorobenzene	5.00	4.92	4.67	98.4	93.4	79.0-120			5.21	20
1,4-Dichlorobenzene	5.00	5.03	4.60	101	92.0	79.0-120			8.93	20
Dichlorodifluoromethane	5.00	6.17	5.65	123	113	51.0-149			8.80	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R3868999-1 12/05/22 10:02 • (LCSD) R3868999-2 12/05/22 10:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1-Dichloroethane	5.00	5.99	5.63	120	113	70.0-126			6.20	20
1,2-Dichloroethane	5.00	6.16	5.90	123	118	70.0-128			4.31	20
1,1-Dichloroethene	5.00	4.78	4.42	95.6	88.4	71.0-124			7.83	20
cis-1,2-Dichloroethene	5.00	5.08	4.89	102	97.8	73.0-120			3.81	20
trans-1,2-Dichloroethene	5.00	5.10	4.69	102	93.8	73.0-120			8.38	20
1,2-Dichloropropane	5.00	6.09	5.93	122	119	77.0-125			2.66	20
cis-1,3-Dichloropropene	5.00	5.51	5.28	110	106	80.0-123			4.26	20
trans-1,3-Dichloropropene	5.00	5.10	4.88	102	97.6	78.0-124			4.41	20
Ethylbenzene	5.00	5.03	4.53	101	90.6	79.0-123			10.5	20
2-Hexanone	25.0	28.5	27.4	114	110	67.0-149			3.94	20
Isopropylbenzene	5.00	4.93	4.42	98.6	88.4	76.0-127			10.9	20
2-Butanone (MEK)	25.0	29.9	28.3	120	113	44.0-160			5.50	20
Methyl Acetate	25.0	26.4	25.2	106	101	57.0-148			4.65	20
Methyl Cyclohexane	5.00	5.68	5.03	114	101	68.0-126			12.1	20
Methylene Chloride	5.00	5.10	4.85	102	97.0	67.0-120			5.03	20
4-Methyl-2-pentanone (MIBK)	25.0	28.2	26.5	113	106	68.0-142			6.22	20
Methyl tert-butyl ether	5.00	5.46	5.37	109	107	68.0-125			1.66	20
Styrene	5.00	4.56	4.31	91.2	86.2	73.0-130			5.64	20
1,1,2,2-Tetrachloroethane	5.00	4.86	4.97	97.2	99.4	65.0-130			2.24	20
Tetrachloroethene	5.00	5.38	4.82	108	96.4	72.0-132			11.0	20
Toluene	5.00	5.11	4.68	102	93.6	79.0-120			8.78	20
1,2,3-Trichlorobenzene	5.00	3.45	3.46	69.0	69.2	50.0-138			0.289	20
1,2,4-Trichlorobenzene	5.00	3.40	3.27	68.0	65.4	57.0-137			3.90	20
1,1,1-Trichloroethane	5.00	5.84	5.15	117	103	73.0-124			12.6	20
1,1,2-Trichloroethane	5.00	5.15	4.82	103	96.4	80.0-120			6.62	20
Trichloroethene	5.00	5.98	5.48	120	110	78.0-124			8.73	20
Trichlorofluoromethane	5.00	6.02	5.45	120	109	59.0-147			9.94	20
1,1,2-Trichlorotrifluoroethane	5.00	5.59	5.03	112	101	69.0-132			10.5	20
Vinyl chloride	5.00	5.80	5.09	116	102	67.0-131			13.0	20
Xylenes, Total	15.0	14.7	13.3	98.0	88.7	79.0-123			10.0	20
(S) Toluene-d8				98.4	97.6	80.0-120				
(S) 4-Bromofluorobenzene				87.3	86.6	77.0-126				
(S) 1,2-Dichloroethane-d4				113	114	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

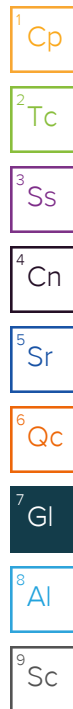
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.



GLOSSARY OF TERMS

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

ACCREDITATIONS & LOCATIONS

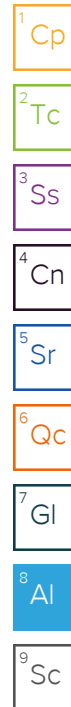
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



Company Name/Address: Arcadis - Chevron - NY				Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129				Pres Chk				Analysis / Container / Preservative				Chain of Custody Page 1 of 3			
Report to: Max Mansilla				Email To: maxwell.mansilla@arcadis.com;ryan.merrell@a															
Project Description: POD 4 - Oceanside 6518040				City/State Collected:				Please Circle: PT MT CT ET											
Phone:		Client Project # 30062947.19.45		Lab Project # CHEVARCNY-6518040															
Collected by (print): Shannon Torke		Site/Facility ID # 6518040		P.O. # 30062947															
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									
MW-23-D2R-W-2211 29		6		GW				11/29/22		2110		8		X		X			
AMW-15-D2-W-2211				GW								11		X		X			
AMW-15-D3-W-2211				GW								11		X		X			
MW-23-D1R-W-2211 29		6		GW				11/29/22		2052		11		X		X			
AMW-15-D1-W-2211				GW								11		X		X			
MW-27-D1R-W-2211 29		6		GW				11/29/22		2235		11		X		X			
MW-26-D1-W-2211 29		6		GW				11/29/22		2055		11		X		X			
MW-29-D1-W-2211 29		6		GW				11/29/22		2310		11		X		X			
AMW-14-D1-W-2211 29		6		GW				11/29/22		2205		11		X		X			
MW-24-D1R-W-2211				GW								11		X		X			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____				Remarks:				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☒ NP Y N COC Signed/Accurate: ☒ Y N Bottles arrive intact: ☒ Y N Correct bottles used: ☒ Y N Sufficient volume sent: ☒ Y N If Applicable VOA Zero Headspace: ☒ Y N Preservation Correct/Checked: ☒ Y N RAD Screen <0.5 mR/hr: ☒ Y N							
Samples returned via: ___ UPS ___ FedEx ___ Courier _____				Tracking #															
Relinquished by : (Signature) 		Date: 11/30/22		Time: 1100		Received by: (Signature)		Trip Blank Received: Yes / No 4 ☒ HCL / MeOH TBR											
Relinquished by : (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received: 148						If preservation required by Login: Date/Time			
Relinquished by : (Signature)		Date:		Time:		Received for lab by: (Signature) Elatt		Date: 12-1-22		Time: 0900						Condition: NCF / OK			

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 <u>2</u> of <u>2</u>	
								Pres Chk: 2 2 10 2										 PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd. Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf	
Report to: Max Mansilla				Email To: maxwell.mansilla@arcadis.com;ryan.merrell@a				ALK, Cl, CO ₂ , SULFATE 250mlHDPE-NoPres FEICP, MNICP, NAICP 250mlHDPE-HNO ₃ FERUSFE, FERICFE 250mlAmb-HCl NO ₂ NO ₃ 250mlHDPE-H ₂ SO ₄ RSK175 40mlAmb HCl SULFIDE 250mlAmb-S-NaOH+ZnAc TOC 250mlHDPE-HCl V8260TCLC 40mlAmb-HCl V8260TCLC-TripBlank 40mlAmb-HCl-BLK											
Project Description: POD 4 - Oceanside 6518040				City/State Collected:														Please Circle: PT MT CT ET	
Phone:				Client Project # 30062947.19.45				Lab Project # CHEVARCNY-6518040											
Collected by (print): <u>Shannon Torhan</u>				Site/Facility ID # 6518040				P.O. # <u>30062947</u>											
Collected by (signature): 				Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day				Quote #				Date Results Needed		No. of Cntrs					
Immediately Packed on Ice N ☐ Y ☒																			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time													
MW-27-D2-W-2211 <u>29</u>		<u>6</u>	GW		<u>11/29/22</u>	<u>2240</u>	11	X	X	X	X	X	X	X	X			<u>-07</u>	
MW-28-D2R-W-2211 <u>29</u>		<u>6</u>	GW		<u>11/29/22</u>	<u>1930</u>	11	X	X	X	X	X	X	X	X			<u>-08</u>	
MW-24-D2-W-2211			GW				11	X	X	X	X	X	X	X	X				
MW-24-VDR-W-2211			GW				11	X	X	X	X	X	X	X	X				
AMW-15-VD-W-2211			GW				11	X	X	X	X	X	X	X	X				
AMW-7R-W-2211 <u>29</u>		<u>6</u>	GW		<u>11/29/22</u>	<u>2000</u>	11	X	X	X	X	X	X	X	X			<u>-09</u>	
AMW-14-VD-W-2211 <u>29</u>		<u>6</u>	GW		<u>11/29/22</u>	<u>2143</u>	11	X	X	X	X	X	X	X	X			<u>-10</u>	
AMW-14-D2-W-2211 <u>29</u>		<u>6</u>	GW		<u>11/29/22</u>	<u>2150</u>	11	X	X	X	X	X	X	X	X			<u>-11</u>	
MW-28-D1-W-2211 <u>29</u>		<u>6</u>	GW		<u>11/29/22</u>	<u>1935</u>	11	X	X	X	X	X	X	X	X			<u>-12</u>	
MW-26-D2-W-2211			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 # _____																	
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)				Trip Blank Received: Yes/No				(HCL) MeOH TBR				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)		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: NCF / OK			

Company Name/Address: Arcadis - Chevron - NY				Billing Information: Attn: Accounts Payable 630 Plaza Drive, Suite 600 Highlands Ranch, CO 80129				Analysis / Container / Preservative Pres Chk 2 2 1000 2				Chain of Custody Page 3 of 3 PEOPLE ADVANCING SCIENCE																																																																																								
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Immediately Packed on Ice N ☐ Y ☒		Date Results Needed		No. of Cntrs																																																																																																
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <td>ALK,CI,CO2,SULFATE 250mlHDPE-NoPres</td> <td>FEICP,MNICP,NAICP 250mlHDPE-HNO3</td> <td>FERUSFE,FERICFE 250mlAmb-HCl</td> <td>NO2NO3 250mlHDPE-H2SO4</td> <td>RSK175 40mlAmb HCl</td> <td>SULFIDE 250mlAmb-S-NaOH+ZnAc</td> <td>TOC 250mlHDPE-HCl</td> <td>V8260TCLC 40mlAmb-HCl</td> <td>V8260TCLC-TripBlank 40mlAmb-HCl-Bik</td> </tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td></tr> </table>				ALK,CI,CO2,SULFATE 250mlHDPE-NoPres	FEICP,MNICP,NAICP 250mlHDPE-HNO3	FERUSFE,FERICFE 250mlAmb-HCl	NO2NO3 250mlHDPE-H2SO4	RSK175 40mlAmb HCl	SULFIDE 250mlAmb-S-NaOH+ZnAc	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	V8260TCLC-TripBlank 40mlAmb-HCl-Bik	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ALK,CI,CO2,SULFATE 250mlHDPE-NoPres	FEICP,MNICP,NAICP 250mlHDPE-HNO3	FERUSFE,FERICFE 250mlAmb-HCl	NO2NO3 250mlHDPE-H2SO4	RSK175 40mlAmb HCl	SULFIDE 250mlAmb-S-NaOH+ZnAc	TOC 250mlHDPE-HCl					V8260TCLC 40mlAmb-HCl	V8260TCLC-TripBlank 40mlAmb-HCl-Bik																																																																																								
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BD-W-2211		GW				11																																																																																														
FB-W-2211 29	6	GW		11/29/22	2330	11																																																																																														
FB-W-2211		GW				11																																																																																														
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FB-W-2211		GW				11																																																																																														
TB-W-2211 19	6	GW		11/29/22	-	11																																																																																														
TB-W-2211		GW				1																																																																																														

* Matrix:

SS - Soil AIR - Air F - Filter

GW - Groundwater B - Bioassay

WW - WasteWater

DW - Drinking Water

OT - Other _____

Remarks:

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier

Tracking # _____

Relinquished by : (Signature)

Date: 11/30/22

Time: 1100

Received by: (Signature) _____

Temp: °C _____

Date: 12-1-22

Time: 0900

Relinquished by : (Signature) _____

Date: _____

Time: _____

Received by: (Signature) _____

Temp: _____

Date: _____

Time: _____

Relinquished by : (Signature) _____

Date: _____

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Received for lab by: (Signature)

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<u>Tracking Numbers</u>		<u>Temperature</u>
6126 6533 5198		6126 0.5
5187		1.0
6126 6538 6501		1.0
6534		0.8