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Subject:
Fourth Quarter 2020 Groundwater Monitoring Report
Chevron Facility #6518040
Former Gulf Oil Terminal
3705 Hampton Road, Oceanside, New York
NYSDEC Site #130165

ENVIRONMENT

Date:
February 22, 2021

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Dear Mr. Scharf:

On behalf of Chevron Environmental Management Company (CEMC), Arcadis of New York, Inc. (Arcadis) has prepared this Fourth Quarter 2020 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 4, 5, and 6, 2020 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 4th and 6th, 2020, 34 monitoring wells (AMW-3, AMW-7R, AMW-13-D1, AMW-13-D2, AMW-13-VD, AMW-14-D1, AMW-14-D2, AMW-14-VD, AMW-15-D1, AMW-15-D2, AMW-15-VD, AMW-15-D3, MW-18R, MW-23-D1R, MW-23-D2R, MW-24-D1R, MW-24-D2, MW-24-VDR, MW-26-D1, MW-26-VD, MW-27-D1R, MW-27-D2, MW-28-D1, MW-28-D2R, MW-29-D1, MW-29-D2, MW-29-VD, MW-30-D1, MW-30-D2, MW-30-VD, MW-31-D1R, MW-31-D2R, MW-32D, and OW-2-D1) were gauged prior to extracting HydraSleeves™. Monitoring wells were gauged with a water interface probe. Monitoring well MW-26-D2 was not able to be gauged due to it being covered with mulch, shrub mat, and shrubs.

Monitoring wells were gauged during high tide at the site on November 4, 2020. Measured depth-to-groundwater in the D1 horizon ranged from 3.95 feet below

top of inner casing (btic) in MW-29-D1 to 9.09 feet btic in OW-2-D1. Measured depth-to-groundwater in the D2 horizon ranged from 4.36 feet btic in MW-29-D2 to 9.44 feet btic in MW-23-D2R. Measured depth-to-groundwater in the VD horizon ranged from 3.84 feet btic in MW-29-VD to 9.05 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 northwest, and for the VD horizon to the northwest. The well gauging data is summarized in **Table 1** and illustrated on **Figures 3, 4, and 5**.

GROUNDWATER SAMPLING

On November 4, 5, and 6, 2020, groundwater samples were collected from HydraSleeves™ that were deployed in 19 monitoring wells (AMW-7R, AMW-14-D1, AMW-14-D2, AMW-14-VD, AMW-15-D1, AMW-15-D2, AMW-15-VD, AMW-15-D3, MW-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). Due to monitoring well MW-26-D2 being covered as described above, a sample was not able to be collected from the monitoring well. Monitoring well MW-18R was not sampled as the HydraSleeve™ was lost in in the monitoring well in Q3 2020. The HydraSleeve™ was retrieved during Q4 2020 but could not be sampled. A new HydraSleeve™ was deployed for sampling in Q1 2021 Prior to collection, groundwater parameters (pH, temperature, specific conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity) were collected. The groundwater samples were placed in laboratory-supplied containers, packaged on ice, and transported to Pace Analytical Inc. in Mt. Juliet, Tennessee (New York Certification #11742). Groundwater samples were collected for:

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

The following summarizes the dissolved VOC constituents that were detected above the NYSDEC Technical and Operational Guidance Series (TOGS) in the samples collected during the November 4, 5 and 6, 2020 sampling event:

- Benzene exceeded the TOGS Water Guidance value of 1 microgram per Liter (µg/L) at monitoring wells AMW-14-D1 (7.94 µg/L), AMW-15-D1 (3.55 µg/L), MW-24-D1R (10.9 µg/L), MW-26-D1 (5.88 µg/L), MW-27-D1R (2.58 µg/L, estimated), and MW-28-D1 (24.3 µg/L).
- Ethylbenzene exceeded the TOGS Water Guidance value of 5 µg/L at monitoring wells AMW-14-D1 (6.53 µg/L) and MW-24-D1R (7.18 µg/L).
- Total xylenes exceeded the TOGS Water Guidance value of 5 µg/L at monitoring well MW-24-D1R (24.1 µg/L).
- Methyl tert-butyl ether (MTBE) exceeded the TOGS Water Guidance value of 10 µg/L at monitoring wells AMW-14-D1 (190 µg/L), AMW-14-D2 (31.1 µg/L), AMW-15-D1 (76.7 µg/L), AMW-15-D2 (57.1 µg/L), AMW-15-D3 (80.6 µg/L), MW-23-D1R (98.5 µg/L), MW-23-D2R (71.1 µg/L), MW-24-D1R (207 µg/L), MW-24-D2 (296 µg/L),MW-26-D1 (84.1 µg/L), MW-27-D1R (22.2 µg/L), MW-28-D1 (28.8 µg/L), and MW-29-D1 (28.7 µg/L).
- Vinyl chloride exceeds the TOGS Water Guidance value of 2 µg/L at monitoring wells AMW-14-D1 (6.16 µg/L), MW-26-D1 (38.8 µg/L), and MW-27-D1R (26.0 µg/L).
- Trans-1,2-dichloroethene exceeded the TOGS Water Guidance value of 5 µg/L at monitoring well AMW-14-D1 (12.1 µg/L) and MW-24-D1R (12.8 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 and the higher of the two results were used for reporting and discussion purposes. The analytical results are summarized in **Table 2** and are illustrated on **Figure 5.** Copies of the laboratory analytical reports are included in **Attachment 2**. Historical groundwater analytical results are presented in **Table 3.** Following groundwater sampling, HydraSleeves™ were deployed in 20 monitoring wells.

FUTURE SITE ACTIVITIES

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

Arcadis of New York, Inc.

Edwin Ptak
Project Manager

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Enclosures:

Tables

1 Groundwater Elevation Data – November 4, 2020
2 Summary of Groundwater Sampling Results – November 4-6, 2020
3 Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020

Figures

1 Site Location Map
2 Site Plan
3 D1 Horizon Groundwater Contour Map – November 4, 2020
4 D2 Horizon Groundwater Contour Map – November 4, 2020
5 VD Horizon Groundwater Contour Map – November 4, 2020
6 Groundwater Analytical Results – November 4 through 6, 2020

Attachments

1 Groundwater Gauging and Sampling Logs
2 Laboratory Analytical Reports

TABLES

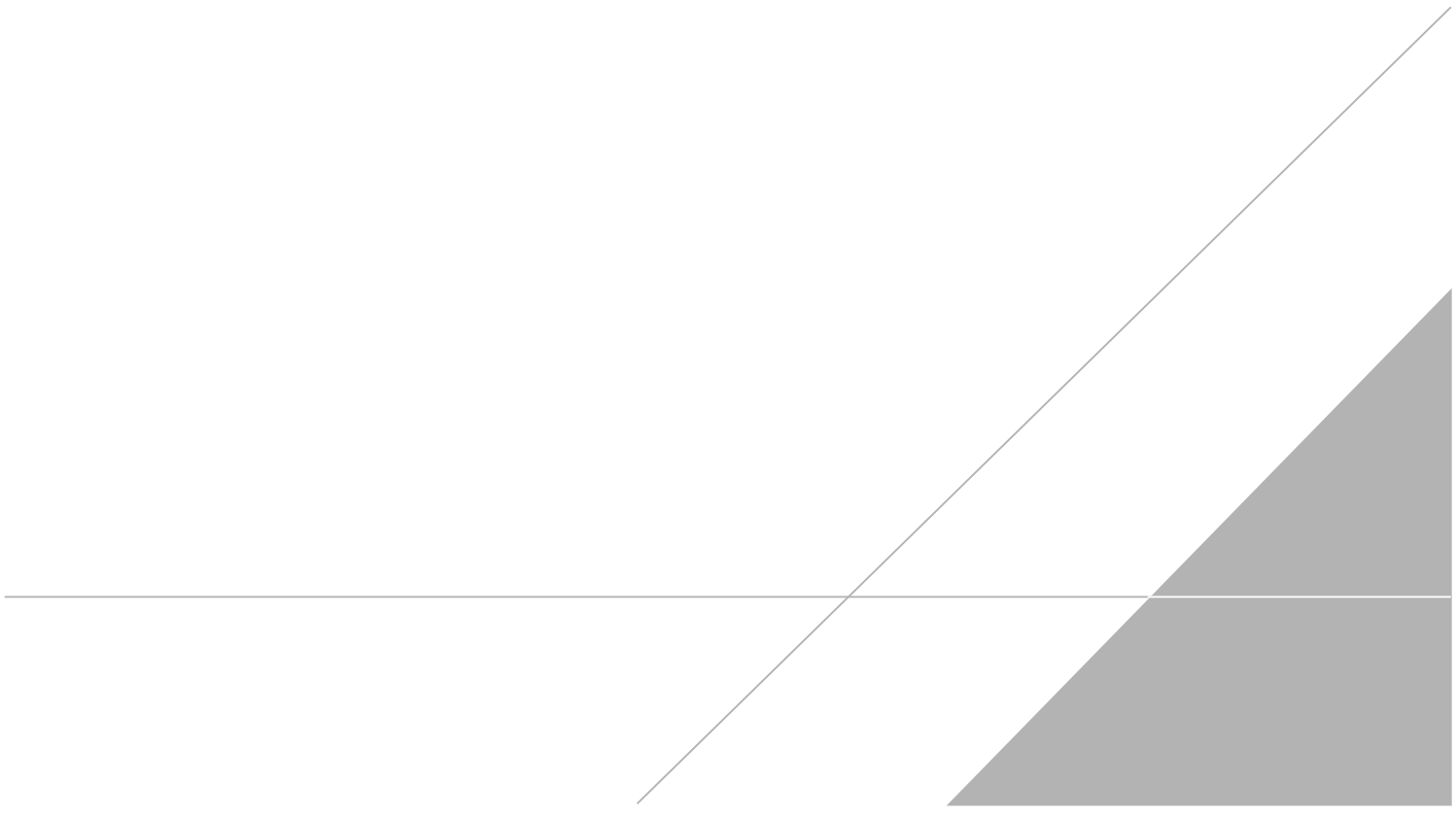

Table 1
Groundwater Elevation Data – November 4, 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

ARCADIS Design & Consultancy for natural and built assets

Monitoring Well ID	Date	Well Depth (feet below TOC)	TOC Elevation (feet NAVD 88)*	Depth to LNAPL (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Table Elevation (feet NAVD 88*)
Shallow Fill Unit Monitoring Wells						
AMW-3	11/4/2020	12.45	9.05	ND	6.40	2.65
AMW-7R	11/4/2020	14.00	9.95	ND	8.28	1.67
MW-18R	11/4/2020	10.00	7.98	ND	4.60	3.38
D1 Horizon Monitoring Wells						
AMW-13-D1	11/4/2020	33.30	9.87	ND	8.95	0.92
AMW-14-D1	11/4/2020	32.10	9.38	ND	8.13	1.25
AMW-15-D1	11/4/2020	36.17	9.74	ND	8.61	1.13
MW-23-D1R	11/4/2020	25.60	9.84	ND	8.65	1.19
MW-24-D1R	11/4/2020	31.55	9.82	ND	8.60	1.22
MW-26-D1	11/4/2020	20.30	9.95	ND	8.75	1.20
MW-27-D1R	11/4/2020	32.60	9.01	ND	7.70	1.31
MW-28-D1	11/6/2020	30.25	8.25	ND	7.59	0.66
MW-29-D1	11/4/2020	NM	5.21	ND	3.95	1.26
MW-30-D1	11/4/2020	30.18	8.74	ND	8.03	0.71
MW-31-D1R	11/4/2020	30.30	8.39	ND	7.51	0.88
MW-32D	11/4/2020	36.80	8.85	ND	7.80	1.05
OW-2-D1	11/4/2020	34.12	9.94	ND	9.09	0.85
D2 Horizon Monitoring Wells						
AMW-13-D2	11/4/2020	43.31	9.76	ND	8.90	0.86
AMW-14-D2	11/4/2020	42.75	9.37	ND	8.20	1.17
AMW-15-D2	11/4/2020	40.75	9.71	ND	8.55	1.16
MW-23-D2R	11/4/2020	44.40	10.52	ND	9.44	1.08
MW-24-D2	11/4/2020	41.75	10.00	ND	8.90	1.10
MW-26-D2	11/4/2020	NG	9.40	NG	NG	NG
MW-27-D2	11/4/2020	46.60	9.09	ND	8.00	1.09
MW-28-D2R	11/4/2020	46.60	8.40	ND	7.29	1.11
MW-29-D2	11/4/2020	38.05	5.38	ND	4.36	1.02
MW-30-D2	11/4/2020	40.66	8.72	ND	7.75	0.97
MW-31-D2R	11/4/2020	46.35	8.35	ND	7.35	1.00
D3 Horizon Monitoring Wells						
AMW-15-D3	11/4/2020	48.50	9.81	ND	8.62	1.19
VD Horizon Monitoring Wells						
AMW-13-VD	11/4/2020	71.29	9.77	ND	8.52	1.25
AMW-14-VD	11/4/2020	75.00	9.25	ND	7.97	1.28
AMW-15-VD	11/4/2020	71.85	9.82	ND	8.42	1.40
MW-24-VDR	11/4/2020	71.50	9.72	ND	8.22	1.50
MW-26-VD	11/4/2020	68.20	9.99	ND	9.05	0.94
MW-29-VD	11/4/2020	60.20	5.27	ND	3.84	1.43
MW-30-VD	11/4/2020	83.30	8.70	ND	6.95	1.75

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
NM = not measured
ND = not detected
NG = not gauged; well was covered during event

Table 2
Summary of Groundwater Sampling Results – November 4-6, 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

		Volatile Organics									GC Volatiles - RSK-175	Inorganics			General Chemistry			
Lab Sample ID	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylene (total)	Methyl-t-butyl ether	Isopropyl-benzene	trans-1,2-Dichloro-ethene	Trichloro-ethene (Trichloro-ethylene)	Vinyl Chloride Chloroethene)	Carbon Dioxide	Iron	Manganese	Sodium	Alkalinity, Total as CaCO3	Chloride	Ferric Iron	Nitrate-Nitrite
NYSDEC TOGS 1.1.1		1	5	5	5	10	5	5	5	2	NE	300	300	20,000	NE	250	NE	10,000
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	ug/L
AMW-14-D1	11/4/2020	**7.94**	**0.552 J**	**6.53**	**3.95**	**190**	**1.18**	**12.1**	**0.290 J**	**6.16**	**28.2 T8**	**3,130**	**22.0**	**986,000**	**581,000**	**3,030**	**2.71 T8**	<100
AMW-14-D2	11/5/2020	<1.00	<1.00	<1.00	<3.00	**31.1**	<1.00	<1.00	<1.00	<1.00	**26.3 T8**	**3,290**	**104**	**1,950,000**	**692,000**	**4,330**	**2.96 T8**	<100
AMW-14-VD	11/5/2020	<1.00	<1.00	<1.00	<3.00	**0.434 J**	<1.00	<1.00	<1.00	<1.00	<20 T8	**18,000**	**396**	**7,940,000**	**501,000**	**17,200**	<0.1 T8	<100
AMW-7R	11/6/2020	**0.214 J**	<1.00	<1.00	**0.241 J**	<1.00	**3.27**	<1.00	<1.00	<1.00	**44.3 T8**	**33,200**	**3,500**	**111,000**	**723,000**	**78**	**17.2 T8**	<100
AMW-15-D1	11/4/2020	**3.55**	<1.00	**1.80**	**1.61 J**	**76.7**	**0.216 J**	**2.53**	<1.00	<1.00	<20 T8	**800**	**80.5**	**1,030,000**	**425,000**	**2,250**	**0.142 T8**	<100
AMW-15-D2	11/4/2020	**0.529 J**	<1.00	<1.00	<3.00	**57.1**	<1.00	**0.430 J**	<1.00	<1.00	**21.5 T8**	**963**	**76.6**	**1,940,000**	**540,000**	**4,150**	**0.29 T8**	<100
AMW-15-D3	11/4/2020	**0.430 J**	<1.00	<1.00	**0.174 J**	**80.6**	<1.00	<1.00	**4.31**	<1.00	**23.4 T8**	**795**	**131**	**1,660,000**	**649,000**	**4,790**	**0.447 T8**	<100
AMW-15-VD	11/4/2020	<1.00	<1.00	<1.00	<3.00	**0.581 J**	<1.00	<1.00	<1.00	<1.00	<20 T8	**4,530**	**280**	**8,440,000**	**523,000**	**17,300**	<0.1 T8	<100
MW-23-D1R	11/5/2020	**0.0955 J**	<1.00	<1.00	<3.00	**98.5**	**0.314 J**	<1.00	<1.00	<1.00	**23.9 T8**	**3,260**	**1,050**	**1,300,000**	**401,000**	**2,030**	<0.1 T8	**405**
MW-23-D2R	11/5/2020	<1.00	<1.00	<1.00	<3.00	**71.1**	<1.00	<1.00	<1.00	<1.00	**32.6 T8**	**12,700**	**2,830**	**1,900,000**	**398,000**	**3,730**	**6.28 T8**	<100
MW-24-D1R	11/5/2020	**10.9 [8.99]**	<5.00 [<5.00]	**7.18 [5.76]**	**24.1 [18.6]**	**207 [180]**	**0.771 J [0.560 J]**	**12.8 [9.50]**	<5.00 [<5.00]	<5.00 [<5.00]	**57.2 T8 [48.7 T8]**	**486 [631]**	**9.69 J [10.4]**	**1,430,000 [1,420,000]**	**290,000 [287,000]**	**2,380 [2,310]**	**0.302 T8 [0.247 T8]**	<100 [<100]
MW-24-D2	11/5/2020	**0.581 J**	<1.00	<1.00	<3.00	**296**	<1.00	**1.13**	**0.244 J**	<1.00	<20 J T8	**491**	**36.4**	**819,000**	**241,000**	**724**	<0.05 T8	<100
MW-24-VDR	11/5/2020	<1.00	<1.00	<1.00	<3.00	**0.944 J**	<1.00	<1.00	<1.00	<1.00	**28.5 T8**	**45,100**	**588**	**8,850,000**	**388,000**	**15,800**	**2.71 T8**	<100
MW-26-D1	11/6/2020	**5.88**	<1.00	**1.05**	**0.793 J**	**84.1**	**0.459 J**	**1.42**	<1.00	**38.8 C5**	**58.2 T8**	**554**	**21.4**	**1,360,000**	**387,000**	**2,340**	**0.326 T8**	<100
MW-26-D2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-27-D1R	11/6/2020	**2.58 J**	<5.00	<5.00	<15.0	**22.2**	<5.00	**2.01 J**	<5.00	**26.0 C5**	**83.4 T8**	**10,900**	**176**	**2,140,000**	**652,000**	**3,870**	**10.4 T8**	<100
MW-27-D2	11/6/2020	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<1.00	**60.9 T8**	**1,360**	**996**	**3,260,000**	**323,000**	**7,520**	<0.1 T8	**461**
MW-28-D1	11/6/2020	**24.3**	**0.497 J**	**3.68**	**4.11**	**28.8**	**0.548 J**	**0.362 J**	<1.00	<1.00	**73.8 T8**	**54.8 J**	**51.3**	**1,540,000**	**548,000**	**3,110**	<0.05 T8	<100
MW-28-D2R	11/6/2020	<1.00	<1.00	<1.00	<3.00	**0.108 J**	<1.00	<1.00	<1.00	<1.00	**85.8 T8**	**5,890**	**370**	**2,760,000**	**395,000**	**6,460**	<0.1 T8	**138**
MW-29-D1	11/6/2020	**0.110 J**	<1.00	<1.00	<3.00	**28.7**	<1.00	<1.00	<1.00	<1.00	**31.7 T8**	**199**	**146**	**460,000**	**208,000**	**795**	<0.05 T8	<100

Notes:
ID = Identification
NYSDEC = New York State Department of Environmental Conservation
TOGS = NYSDEC Technical and Operational Guidance Series ambient water quality standards and guidance values of June 1998
<1.0 = not detected at or above the reporting limit
mg/L = milligrams per liter
ug/L = micrograms per liter
Bold = detected concentration
Shade = concentration was above the TOGS
C5 = The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
CaCO3 '= calcium carbonate
J = Analyte was detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low
J0 = The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria.
T8 = Sample(s) received past/too close to holding time expiration.
NE = Not established
[ ] = Duplicate analysis results
-- = Not sampled; well was covered

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane	1,2-Dichloro-propane
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	1
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	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
AMW-13-D1	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-D2	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-13-VD	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-14-D1	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.91 J**	**0.46 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	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
	07/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	**0.62 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.36 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.54 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.180 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.606 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	11/04/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.790 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
AMW-14-D2	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	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
	07/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<10.0	<10.0
	08/19/2020	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<10.0	<10.0
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
AMW-14-VD	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	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
	07/12/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane	1,2-Dichloro-propane
NYSDEC TOGS 1.1.1		**5**	**5**	**5**	**1**	**5**	**5**	**5**	**0.04**	**0.0006**	**3**	**0.6**	**1**
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-VD (cont.)	05/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.43 J**	<1.0
	12/05/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.45 J**	<1.0
	02/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.46 J**	<1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/20/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	**0.350 J**	<1.00
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	**0.119 J**	<1.00
AMW-15-D1	06/23/2016	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	10/26/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	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
	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**1.5 J**	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	**0.89 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.75 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.87 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00	<5.00
	08/19/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00 J4	<5.00	<5.00
	11/04/2020	<1.00	<1.00	<1.00	<1.00	<1.00	0.325 J	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
AMW-15-D2	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00
	11/04/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
AMW-15-D3	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane	1,2-Dichloro-propane
NYSDEC TOGS 1.1.1		**5**	**5**	**5**	**1**	**5**	**5**	**5**	**0.04**	**0.0006**	**3**	**0.6**	**1**
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.)	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
	07/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	**0.187 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.104 J**	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00
	11/04/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.139 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
AMW-15-VD	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	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
	07/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	**0.144 J**	<1.00
	11/04/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
AMW-3	01/13/2016	< 5.0	< 5.0	< 5.0	**4.8 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
AMW-7R	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/11/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
ASB-2	06/06/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-3	06/08/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-4	06/07/2016	**4.2 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ASB-5	06/02/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
ASB-7	06/02/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane	1,2-Dichloro-propane
NYSDEC TOGS 1.1.1		**5**	**5**	**5**	**1**	**5**	**5**	**5**	**0.04**	**0.0006**	**3**	**0.6**	**1**
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-18R	06/22/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	07/11/2018	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<5.00	<5.00	<5.00	<5.00 J4	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00	<5.00
MW-23-D1R	10/26/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	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
	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	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
	07/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-23-D2R	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	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
	07/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-24-D1R	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.56 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.74 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	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
	07/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/16/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	**0.72 J [0.69 J]**	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane	1,2-Dichloro-propane
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	1
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-D1R (cont.)	12/05/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	**0.36 J [0.71 J]**	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	02/11/2020	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 * [<1.0]	< 1.0 * [<1.0]	< 1.0 [<1.0]	**0.46 J [0.59 J**	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]
	06/09/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]
	08/19/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 J4 [<5.00 J4]	<5.00 [<5.00]	<5.00 [<5.00]
	11/05/2020	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]
MW-24-D2	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	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
	07/05/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	08/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	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
	07/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	**0.293 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/18/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.210 J**	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.553 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-24-VDR	07/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/18/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00
	11/05/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-26-D1	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/22/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	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	< 4.0
	07/05/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	08/27/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

ARCADIS Design & Consultancy for natural and built assets

Location ID	Date Sampled	Volatile Organics											
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane	1,2-Dichloro-propane
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	1
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-D1 (cont.)	02/11/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.285 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.218 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.159 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-26-D2	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 5.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	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
	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
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	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	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.102 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-26-VD	01/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-27-D1R	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	08/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.29 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.36 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/19/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00	<5.00
	11/06/2020	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<5.00	<5.00
MW-27-D2	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	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
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.28 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.29 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.38 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.4 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane	1,2-Dichloro-propane
NYSDEC TOGS 1.1.1		**5**	**5**	**5**	**1**	**5**	**5**	**5**	**0.04**	**0.0006**	**3**	**0.6**	**1**
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.)	06/10/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	**0.430 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.483 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.118 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-28-D1	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.76 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/28/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.58 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.69 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.67 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.4 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.52 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	**0.209 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.172 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.741 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-28-D2R	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.48 J**	< 1.0	< 1.0	< 1.0	< 1.0	**0.21 J**	< 1.0
	07/28/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.67 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 1.0	0.74 J	< 1.0	**0.79 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.74 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	**0.155 J**	<1.00	<5.00	<1.00	**0.205 J**	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.186 J**	<1.00	<5.00	<1.00	**0.251 J**	<1.00	<1.00
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	**0.342 J**	<1.00	<5.00	<1.00	**0.109 J**	<1.00	<1.00
MW-29-D1	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	08/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	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
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		1,1 Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,2,2-Tetrachloro-ethane	1,1,2-Trichloro-ethane	1,1,2-Trichlorotri-fluoroethane (Freon 113)	1,1-Dichloro-ethane	1,2,4-Trichloro-benzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromo-ethane	1,2-Dichloro-benzene (o-Dichloro-benzene)	1,2-Dichloro-ethane	1,2-Dichloro-propane
NYSDEC TOGS 1.1.1		5	5	5	1	5	5	5	0.04	0.0006	3	0.6	1
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-29-D1 (cont.)	02/12/2020	< 1.0	< 1.0	< 1.0 *	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
	11/06/2020	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-29-D2	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**7.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**4.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-29-VD	01/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D1	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D2	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**3.2 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	01/14/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**2.9**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.87 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-VD	01/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D2R	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.94 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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)	Carbon disulfide	Carbon Tetrachloride
NYSDEC TOGS 1.1.1		3	3	50	50	NE	50	1	50	50	5	60	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	01/14/2016	< 5.0	< 5.0	< 50	< 25	< 25	**25 J**	**80**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
AMW-13-D1	06/24/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**6.5 J**	< 1.0	**0.99 J**	**3.4**	< 1.0	**2.7**	< 1.0
	07/27/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**3.4 J**	**4.5**	< 1.0	**1.1**	< 1.0	**2.8**	< 1.0
AMW-13-D2	06/23/2016	< 1.0	< 1.0	< 10	< 5.0	**3.3 J**	**3.2 J**	< 1.0	**0.97 J**	**4.2**	< 1.0	**0.66 J**	< 1.0
	07/27/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**4.8 J**	< 1.0	< 1.0	**0.62 J**	< 1.0	**12**	< 1.0
AMW-13-VD	06/23/2016	< 1.0	< 1.0	**3.2 J**	< 5.0	< 5.0	**18**	< 1.0	< 1.0	**3.1**	< 1.0	**1.5**	< 1.0
	07/27/2016	< 1.0	< 1.0	**5.8 J**	< 5.0	**2.4 J**	**46**	< 1.0	< 1.0	< 1.0	< 1.0	**7.9**	< 1.0
AMW-14-D1	06/24/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**4.6 J**	< 1.0	**0.85 J**	**2.5**	< 1.0	**2.6**	< 1.0
	07/26/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**3.9 J**	**4.3**	< 1.0	< 1.0	< 1.0	**2.8**	< 1.0
	07/05/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**2.0 J**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 2.0	< 2.0	< 20	< 10	< 10	< 20	**4.7**	< 2.0	< 2.0	< 2.0	**1.3 J**	< 2.0
	07/12/2018	< 8.0	< 8.0	< 80	< 40	< 40	< 80	**5.3 J**	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	**0.98 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**7.0**	< 1.0	< 1.0	< 1.0	**0.79 J**	< 1.0
	09/13/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**0.64 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**1.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**3.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.533 J**	<1.00	<1.00	<5.00	**0.294 J**	<1.00
	08/19/2020	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	**5.40**	<1.00	<1.00	<5.00	**0.615 J**	<1.00
	11/04/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**7.94**	<1.00	<1.00 C3 J4	<5.00	**<1.00**	<1.00 C3
AMW-14-D2	06/23/2016	< 1.0	< 1.0	< 10	< 5.0	**3.2 J**	**3.3 J**	< 1.0	**0.99 J**	**4.6**	< 1.0	**5.5**	< 1.0
	07/26/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**3.1 J**	**0.88 J**	< 1.0	**1.3**	< 1.0	**12**	< 1.0
	07/27/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**9.6 J**	< 1.0	< 1.0	< 1.0	< 1.0	**8.4**	< 1.0
	08/27/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	**2.7**	< 1.0
	10/11/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	**0.94 J**	< 1.0
	07/12/2018	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.32 J**	< 1.0
	09/13/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<10.0	<10.0	<100	<100	<100	<500	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0
	08/19/2020	<10.0 J4	<10.0 J4	<100	<100	<100	<500	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0
	11/05/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	**0.533 J**	<1.00
AMW-14-VD	06/23/2016	< 1.0	< 1.0	**3.9 J**	< 5.0	**2.1 J**	**22**	< 1.0	**0.87 J**	**3**	< 1.0	**0.63 J**	< 1.0
	07/27/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**8.9 J**	< 1.0	< 1.0	< 1.0	< 1.0	**9.9**	< 1.0
	07/05/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**3.7 J**	< 1.0	< 1.0	< 1.0	< 1.0	**0.25 J**	< 1.0
	08/27/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	**1.6**	< 1.0
	07/12/2018	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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)	Carbon disulfide	Carbon Tetrachloride
NYSDEC TOGS 1.1.1		3	3	50	50	NE	50	1	50	50	5	60	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-VD (cont.)	05/10/2019	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/13/2019	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/05/2019	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	02/12/2020	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	06/10/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	08/20/2020	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	11/05/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3 J4	<5.00	<1.00	<1.00 C3
AMW-15-D1	06/23/2016	< 1.0	< 1.0	< 10	< 5.0	**2.1 J**	**4.2 J**	**0.48 J**	< 1.0	**2.2**	< 1.0	**0.46 J**	< 1.0
	07/27/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	**3.9 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	10/26/2016	< 10	< 10	< 100	< 50	< 50	< 100	**11**	< 10	< 10	< 10	< 10	< 10
	10/26/2016	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**5.1**	< 4.0	< 4.0	< 4.0	**1.7 J**	< 4.0
	07/05/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**12**	< 4.0	< 4.0	< 4.0	**2.7 J**	< 4.0
	10/11/2017	< 2.0	< 2.0	< 20	< 10	< 10	< 20	**11**	< 2.0	< 2.0	< 2.0	**2**	< 2.0
	10/17/2018	< 5.0	< 5.0	< 250	< 50	< 50	< 130	**12**	< 5.0	< 5.0	< 5.0	**1.7 J**	< 5.0
	05/09/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**6.3**	< 1.0	< 1.0	< 1.0	**1.3**	< 1.0
	09/13/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**6.2**	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**6.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**1.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<5.00	<5.00	<50.0	<50.0	<50.0	<250	**6.35**	<5.00	<5.00	<25.0	<5.00	<5.00
	08/19/2020	<5.00	<5.00	<50.0	<50.0	<50.0	<250	**4.70 J**	<5.00	<5.00	<25.0	6.45	<5.00
	11/04/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**3.55**	<1.00	<1.00	<5.00	**0.777 J**	<1.00
AMW-15-D2	06/23/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**9.3 J**	< 1.0	< 1.0	< 1.0	< 1.0	**1.8**	< 1.0
	06/23/2016	< 1.0	< 1.0	**1.3 J**	< 5.0	< 5.0	**11**	< 1.0	< 1.0	< 1.0	< 1.0	**1.6**	< 1.0
	07/27/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**3.8 J**	< 1.0	< 1.0	< 1.0	< 1.0	**0.42 J**	< 1.0
	10/26/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**13**	< 1.0	< 1.0	< 1.0	< 1.0	**0.75 J**	< 1.0
	10/26/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**5.1 J**	**0.47 J**	< 1.0	< 1.0	< 1.0	**0.42 J**	< 1.0
	07/05/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**9.8**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**2.7 J**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	**0.34 J**	< 1.0
	05/10/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.25 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.123 J**	<1.00	<1.00	<5.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.102 J**	<1.00	<1.00	<5.00	**2.33**	<1.00
	11/04/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.529 J**	<1.00	<1.00 C3 J4	<5.00	<1.00	<1.00 C3
AMW-15-D3	06/23/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**6.9 J**	< 1.0	< 1.0	< 1.0	< 1.0	**4.4**	< 1.0
	06/23/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**7.3 J**	< 1.0	< 1.0	< 1.0	< 1.0	**4.6**	< 1.0
	07/27/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**3.6 J**	< 1.0	< 1.0	< 1.0	< 1.0	**1.4**	< 1.0
	08/27/2017	< 4.0	< 4.0	< 40	< 20	< 20	**36 J**	**3.7 J**	< 4.0	< 4.0	< 4.0	**1.8 J**	< 4.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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)	Carbon disulfide	Carbon Tetrachloride
NYSDEC TOGS 1.1.1		3	3	50	50	NE	50	1	50	50	5	60	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.)	10/11/2017	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/13/2018	< 2.0	< 2.0	< 20	< 10	< 10	**16 J**	< 2.0	< 2.0	< 2.0	< 2.0	**0.70 J**	< 2.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	**0.42 J**	< 1.0
	05/10/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.29 J**	< 1.0
	09/13/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**0.29 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	**0.318 J**	<1.00
	08/19/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.664 J**	<1.00	<1.00	<5.00	**1.93**	<1.00
	11/04/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.430 J**	<1.00	<1.00 C3 J4	<5.00	<1.00	<1.00 C3
AMW-15-VD	06/23/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**3.2 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/27/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**8.3 J**	< 1.0	< 1.0	**2.4**	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/11/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**5.0 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/13/2018	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	11/04/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3 J4	<5.00	<1.00	<1.00 C3
AMW-3	01/13/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	**280**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	**3.4 J**	< 5.0	< 5.0	**21**	< 1.0	< 1.0	< 1.0	< 1.0	**0.51 J**	< 1.0
AMW-7R	01/12/2016	< 5.0	< 5.0	< 50	< 25	< 25	**30 J**	**5.7**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**6.2 J**	**1.1**	< 1.0	< 1.0	< 1.0	**0.43 J**	< 1.0
	07/11/2018	< 2.0	< 2.0	< 20	< 10	< 10	< 20	**0.82 J**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	**8.1 J**	**0.78 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**0.69 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**0.39 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**0.89 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	<5.0	<5.0	<5.0	<5.0	**0.82 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.926 J**	<1.00	<1.00	<5.00	<1.00	<1.00
	08/19/2020	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	**0.566 J**	<1.00	<1.00	<5.00	<1.00	<1.00
	11/06/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.214 J**	<1.00	<1.00 C3	<5.00 C3	**0.271 J**	<1.00
ASB-2	06/06/2016	< 1.0	< 1.0	< 10	< 5.0	**6**	**20**	**1.8**	**1.9**	< 1.0	< 1.0	**1.1**	< 1.0
ASB-3	06/08/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**5.5 J**	< 1.0	**0.75 J**	**2.4**	< 1.0	**0.27 J**	< 1.0
ASB-4	06/07/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	**3.0 J**	< 5.0	< 5.0	< 5.0	**0.95 J**	< 5.0
ASB-5	06/02/2016	< 1.0	< 1.0	**1.4 J**	< 5.0	**5**	**12**	< 1.0	**1.5**	< 1.0	< 1.0	**0.53 J**	< 1.0
ASB-7	06/02/2016	< 2.0	< 2.0	< 20	< 10	**5.3 J**	< 20	< 2.0	**3.3**	< 2.0	< 2.0	**1.1 J**	< 2.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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)	Carbon disulfide	Carbon Tetrachloride
NYSDEC TOGS 1.1.1		3	3	50	50	NE	50	1	50	50	5	60	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-18R	06/22/2016	< 10	< 10	< 100	< 50	< 50	< 100	**310**	< 10	< 10	< 10	< 10	< 10
	07/11/2018	< 20	< 20	**74 J**	< 100	< 100	**330**	**48**	< 20	< 20	< 20	**6.2 J**	< 20
	10/17/2018	< 5.0	< 5.0	**70 J**	< 50	< 50	**230**	**69**	< 5.0	< 5.0	< 5.0	**2.4 J**	< 5.0
	09/14/2019	< 1.0	< 1.0	**10**	< 5.0	**2.2 J**	**47**	**85**	< 1.0	< 1.0	< 1.0	**3.2**	< 1.0
	12/05/2019	< 1.0	< 1.0	**33**	**3.7 J**	**2.9 J**	**130**	**74**	< 1.0	< 1.0	< 1.0	**2**	< 1.0
	02/12/2020	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	**19**	**0.29 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<5.00	<5.00	**10.7 J**	<50.0	<50.0	<250	**27.0**	<5.00	<5.00	<25.0	**1.26 J**	<5.00
MW-23-D1R	10/26/2016	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0	**0.53 J**	< 2.0
	10/26/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	01/12/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/20/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**6.4 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	08/27/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/12/2018	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**2.7 J**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	**3.8**	< 1.0	< 1.0	< 1.0	**0.29 J**	< 1.0
	09/13/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**1.5**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**1.4**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.56 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.408 J**	<1.00	<1.00	<5.00	<1.00	<1.00
	08/19/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.312 J**	<1.00	<1.00	<5.00	**0.671 J**	<1.00
	11/05/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.0955 J**	<1.00	<1.00 C3	<5.00 C3	**0.400 J**	<1.00
MW-23-D2R	01/12/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/20/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**23**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/05/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**4.0 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/12/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	**0.44 J**	< 1.0
	07/12/2018	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	**2.3**	<1.0	<1.0	<1.0	<1.0	<1.0
	05/09/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**2.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**1.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/19/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.407 J**	<1.00	<1.00	<5.00	**0.253 J**	<1.00
	11/05/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3	**0.447 J**	<1.00
MW-24-D1R	01/13/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**5.4**	< 4.0	< 4.0	< 4.0	**1.6 J**	< 4.0
	10/26/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	**4.1**	< 1.0	< 1.0	< 1.0	**1.7**	< 1.0
	10/26/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	**4.9**	< 1.0	< 1.0	< 1.0	**1.3**	< 1.0
	10/26/2016	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/12/2018	< 8.0	< 8.0	< 80	< 40	< 40	< 80	**11**	< 8.0	< 8.0	< 8.0	**2.1 J**	< 8.0
	10/16/2018	< 5.0	< 5.0	< 250	< 50	< 50	< 130	**8.3**	< 5.0	< 5.0	< 5.0	**1.4 J**	< 5.0
	05/09/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**1.5**	< 1.0	< 1.0	< 1.0	**0.62 J**	< 1.0
	09/13/2019	< 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]	**3.2 [1.8]**	< 1.0 [<1.0]

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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)	Carbon disulfide	Carbon Tetrachloride
NYSDEC TOGS 1.1.1		3	3	50	50	NE	50	1	50	50	5	60	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-D1R (cont.)	12/05/2019	< 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]	1.0 [1.0]	< 1.0 [<1.0]
	02/11/2020	< 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]	**1.5 [1.4]**	< 1.0 [<1.0]
	06/09/2020	<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]	<5.00 [<5.00]	<5.00 [<5.00]
	08/19/2020	<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]	**8.28 [3.68 J]**	<5.00 [<5.00]
	11/05/2020	<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]	**2.27 J [2.18 J]**	<5.00 [<5.00]
MW-24-D2	01/13/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	**3.3 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	01/13/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	**3.1 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	**0.97 J**	< 1.0	< 1.0	< 1.0	**0.31 J**	< 1.0
	10/25/2016	< 4.0	< 4.0	< 40	< 20	< 20	**62**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 5.0	< 5.0	< 50	< 25	< 25	**56**	**3.0 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	07/05/2017	< 8.0	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	08/27/2017	< 8.0	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/12/2018	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	**2.8 J**	< 1.0	< 1.0	< 1.0	< 1.0	**0.24 J**	< 1.0
	05/09/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/13/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**5.2**	**1.4**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.4 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.367 J**	<1.00	<1.00	<5.00	**0.167 J**	<1.00
	08/18/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.227 J**	<1.00	<1.00	<5.00	**0.266 J**	<1.00
	11/05/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.581 J**	<1.00	<1.00 C3	<5.00 C3	**0.931 J**	<1.00
MW-24-VDR	07/12/2018	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	**0.64 J**	< 1.0
	05/09/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.30 J**	< 1.0
	09/13/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**2.4**	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	**5.5**	**7.2**	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	**0.347 J**	<1.00
	08/18/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	**0.394 J**	<1.00
	11/05/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3	**0.423 J**	<1.00
MW-26-D1	01/12/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	**9.1**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/22/2016	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**9.3**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/25/2016	< 10	< 10	< 100	< 50	< 50	< 100	**8.6 J**	< 10	< 10	< 10	< 10	< 10
	10/25/2016	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**12**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/05/2017	< 10	< 10	< 100	< 50	< 50	< 100	**8.7 J**	< 10	< 10	< 10	< 10	< 10
	08/27/2017	< 10	< 10	< 100	< 50	< 50	< 100	**9.5 J**	< 10	< 10	< 10	< 10	< 10
	10/11/2017	< 2.0	< 2.0	< 20	< 10	< 10	**6.5 J**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/13/2018	< 2.0	< 2.0	< 20	< 10	< 10	< 20	**17**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	**4.9**	< 1.0	< 1.0	< 1.0	**0.45 J**	< 1.0
	09/13/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**9.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**6.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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)	Carbon disulfide	Carbon Tetrachloride
NYSDEC TOGS 1.1.1		3	3	50	50	NE	50	1	50	50	5	60	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-D1 (cont.)	02/11/2020	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**7.5**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**8.93**	<1.00	<1.00	<5.00	**0.773 J**	<1.00
	08/19/2020	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	**6.46**	<1.00	<1.00	<5.00	**0.360 J**	<1.00
	11/06/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**5.88**	<1.00	<1.00 C3	<5.00 C3	**0.582 J**	<1.00
MW-26-D2	01/12/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/22/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	**1.4**	< 1.0
	10/25/2016	< 2.0	< 2.0	< 20	< 10	< 10	**9.4 J**	< 2.0	< 2.0	< 2.0	< 2.0	**0.60 J**	< 2.0
	10/25/2016	< 2.0	< 2.0	< 20	< 10	< 10	**37**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/05/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	**0.37 J**	< 1.0
	08/27/2017	< 8.0	< 8.0	< 80	< 40	< 40	< 80	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
	10/11/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	**0.69 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/09/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.79 J**	< 1.0	< 1.0	< 1.0	**0.25 J**	< 1.0
	09/13/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.46 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	08/19/2020	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	**0.204 J**	<1.00
MW-26-VD	01/13/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**170**	< 1.0	< 1.0	< 1.0	< 1.0	**0.19 J**	< 1.0
MW-27-D1R	01/13/2016	< 5.0	< 5.0	< 50	< 25	< 25	**53**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	**1.7 J**	< 5.0	< 5.0	**5.0 J**	< 1.0	< 1.0	< 1.0	< 1.0	**0.66 J**	< 1.0
	07/05/2017	< 2.0	< 2.0	< 20	< 10	< 10	< 20	**1.1 J**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	08/27/2017	< 2.0	< 2.0	< 20	< 10	< 10	< 20	**1.6 J**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	07/13/2018	< 2.0	< 2.0	< 20	< 10	< 10	< 20	**7.8**	< 2.0	< 2.0	< 2.0	**0.64 J**	< 2.0
	10/18/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	**3.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**2.4**	< 1.0	< 1.0	< 1.0	**1.0**	< 1.0
	09/14/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**4.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**6.4**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/19/2020	<5.00 J4	<5.00 J4	<50.0	<50.0	<50.0	<250	**3.12 J**	<5.00	<5.00	<25.0	**0.852 J**	<5.00
	11/06/2020	<5.00	<5.00	<50.0	<50.0	<50.0	<250	**2.58 J**	<5.00	<5.00 C3	<25.0 C3	**1.74 J**	<5.00
MW-27-D2	01/13/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 4.0	< 4.0	**8.2 J**	< 20	< 20	**38 J**	**160**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/05/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	08/27/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/12/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/13/2018	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/12/2020	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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)	Carbon disulfide	Carbon Tetrachloride
NYSDEC TOGS 1.1.1		3	3	50	50	NE	50	1	50	50	5	60	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.)	06/10/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	**0.133 J**	<1.00
	08/19/2020	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	11/06/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
MW-28-D1	06/24/2016	< 1.0	< 1.0	**2.3 J**	< 5.0	< 5.0	**45**	**2.1**	< 1.0	< 1.0	< 1.0	**1**	< 1.0
	07/28/2016	< 10	< 10	< 100	< 50	< 50	**280**	< 10	< 10	< 10	< 10	< 10	< 10
	07/05/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	**8.9**	< 1.0	< 1.0	< 1.0	**0.40 J**	< 1.0
	08/27/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**2.7 J**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**3.7 J**	< 4.0	< 4.0	< 4.0	**4.9**	< 4.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	**9.3 J**	**5.6**	< 1.0	< 1.0	< 1.0	**0.47 J**	< 1.0
	05/09/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**2.4**	< 1.0	< 1.0	< 1.0	**0.34 J**	< 1.0
	09/13/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**9.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/05/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**11.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**17.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**9.35**	<1.00	<1.00	<5.00	<1.00	<1.00
	08/19/2020	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	**5.03**	<1.00	<1.00	<5.00	<1.00	<1.00
	11/06/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**24.3**	<1.00	<1.00 C3	<5.00 C3	<1.00	<1.00
MW-28-D2R	06/24/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**3.3 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	07/28/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**4.4 J**	< 1.0	**1.2**	**5.6**	< 1.0	**0.52 J**	< 1.0
	07/05/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	**0.38 J**	< 1.0
	08/27/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/11/2017	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	**0.95 J**	< 1.0
	07/13/2018	< 4.0	< 4.0	< 40	< 20	< 20	< 40	< 4.0	< 4.0	< 4.0	< 4.0	**1.0 J**	< 4.0
	10/17/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/09/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.50 J**	< 1.0	< 1.0	< 1.0	**0.27 J**	< 1.0
	09/13/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.24 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/09/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	**0.781 J**	<1.00
	08/19/2020	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	**0.404 J**	<1.00
	11/06/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00 C3	<5.00 C3	**0.424 J**	<1.00
MW-29-D1	01/14/2016	< 5.0	< 5.0	< 50	< 25	< 25	**25 J**	**81**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	06/21/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**9.5 J**	**6.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	**32**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/26/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	**5.5**	< 1.0	< 1.0	< 1.0	**0.21 J**	< 1.0
	07/05/2017	< 2.0	< 2.0	< 20	< 10	< 10	< 20	**9.7**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	08/27/2017	< 2.0	< 2.0	< 20	< 10	< 10	< 20	**19**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	10/12/2017	< 4.0	< 4.0	< 40	< 20	< 20	< 40	**4.3**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	07/13/2018	< 4.0	< 4.0	< 40	**9.1 J**	< 20	< 40	**5.2**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
	10/18/2018	< 1.0	< 1.0	< 50	< 10	< 10	< 25	**3.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	05/10/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**9.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	09/14/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	**0.67 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/06/2019	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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)	Carbon disulfide	Carbon Tetrachloride
NYSDEC TOGS 1.1.1		3	3	50	50	NE	50	1	50	50	5	60	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-29-D1 (cont.)	02/12/2020	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/10/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	**0.307 J**	<1.00
	08/19/2020	<1.00 J4	<1.00 J4	<10.0	<10.0	<10.0	<50.0	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
	11/06/2020	<1.00	<1.00	<10.0	<10.0	<10.0	<50.0	**0.110 J**	<1.00	<1.00 C3	<5.00 C3	**0.364 J**	<1.00
MW-29-D2	01/14/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/21/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	**0.62 J**	< 1.0
MW-29-VD	01/14/2016	< 10	< 10	< 100	< 50	< 50	< 100	< 10	< 10	< 10	< 10	< 10	< 10
	06/21/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-D1	01/14/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	**1.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	**0.19 J**	< 1.0
MW-30-D2	01/14/2016	< 5.0	< 5.0	< 50	< 25	< 25	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	01/14/2016	< 2.0	< 2.0	< 20	< 10	< 10	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	06/22/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-30-VD	01/14/2016	< 10	< 10	< 100	< 50	< 50	< 100	< 10	< 10	< 10	< 10	< 10	< 10
	06/22/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**5.9 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-31-D1R	01/14/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	**11**	**1.1**	< 1.0	< 1.0	< 1.0	**0.32 J**	< 1.0
MW-31-D2R	01/14/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	06/22/2016	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics												
		Chlorobenzene	Chloroethane	Chloroform	Chloro-methane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate
NYSDEC TOGS 1.1.1		5	5	7	5	5	0.4	NE	50	5	5	5	NE
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	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**12**	< 5.0	< 5.0	< 5.0	**24**	< 13
AMW-13-D1	06/24/2016	< 1.0	< 1.0	**0.37 J**	< 1.0	< 1.0	< 1.0	< 1.0	**2.4**	< 1.0	< 1.0	< 1.0	< 2.5
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.82 J**	< 1.0	**1.8**	< 1.0	< 2.5
AMW-13-D2	06/23/2016	< 1.0	< 1.0	**0.36 J**	< 1.0	< 1.0	< 1.0	< 1.0	**2.6**	< 1.0	< 1.0	< 1.0	< 2.5
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.41 J**	< 1.0	< 1.0	< 1.0	< 2.5
AMW-13-VD	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2.1**	< 1.0	< 1.0	< 1.0	< 2.5
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
AMW-14-D1	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2**	< 1.0	< 1.0	< 1.0	< 2.5
	07/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	**1**	< 1.0	**1.9**	< 1.0	< 1.0	**3.6**	< 1.0	< 2.5
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**3**	< 2.0	< 2.0	**7.2**	< 2.0	< 5.0
	07/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	**7.5 J**	< 8.0	< 20
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	**1**	< 1.0	< 10
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2.1**	< 1.0	< 1.0	**5.9**	**1.0**	<5.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.43 J**	< 1.0	<5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.5**	< 1.0	<5.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	**0.3 J**	< 1.0 *	**0.88 J**	< 1.0 *	< 1.0	**2.7**	**0.44 J**	<5.0
	06/10/2020	<1.00	<5.00	<5.00	<2.50	**0.427 J**	<1.00	<1.00	<1.00	<5.00	**0.486 J**	**0.172 J**	<20.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	**6.29**	**1.08**	<20.0
	11/04/2020	<1.00	<5.00	<5.00	<2.50	**0.221 J**	<1.00	**2.02**	<1.00	<5.00	**6.53**	**1.18**	<20.0
AMW-14-D2	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2.6**	< 1.0	< 1.0	< 1.0	< 2.5
	07/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.79 J**	< 1.0	< 1.0	< 1.0	< 2.5
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	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	< 2.5
	07/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0*	**0.35 J**	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	<5.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0
	06/10/2020	<10.0	<50.0	<50.0	<25.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<200
	08/19/2020	<10.0	<50.0	<50.0	<25.0	**2.50 J**	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<200
	11/05/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
AMW-14-VD	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.32 J**	**2**	< 1.0	< 1.0	< 1.0	< 2.5
	07/27/2016	< 1.0	< 1.0	**0.37 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	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	< 2.5
	07/12/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		Chlorobenzene	Chloroethane	Chloroform	Chloro-methane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate
NYSDEC TOGS 1.1.1		5	5	7	5	5	0.4	NE	50	5	5	5	NE
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-VD (cont.)	05/10/2019	<1.0	<1.0	<1.0	<1.0*	<1.0	<1.0	<1.0	<1.0	<1.0*	<1.0	<1.0	<5.0
	09/13/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
	12/05/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
	02/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	< 1.0 *	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
	06/10/2020	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0
	08/20/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
	11/05/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
AMW-15-D1	06/23/2016	< 1.0	< 1.0	**0.51 J**	< 1.0	**20**	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0	< 1.0	< 2.5
	07/27/2016	< 5.0	< 5.0	< 5.0	< 5.0	**220**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13
	10/26/2016	< 10	< 10	< 10	< 10	**81**	< 10	< 10	< 10	< 10	< 10	< 10	< 25
	10/26/2016	< 4.0	< 4.0	< 4.0	< 4.0	**38**	< 4.0	**2.0 J**	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	**5.1**	< 4.0	< 4.0	< 4.0	< 4.0	**4.1**	< 4.0	< 10
	10/11/2017	< 2.0	< 2.0	< 2.0	< 2.0	**1.6 J**	< 2.0	< 2.0	< 2.0	< 2.0	**4.3**	< 2.0	< 5.0
	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**2.8 J**	< 5.0	< 5.0	**5**	< 5.0	< 50
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.79 J**	< 1.0	< 1.0	**2.6**	< 1.0	<5.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	**0.36 J**	< 1.0	**0.66 J**	< 1.0	< 1.0	**2.3**	< 1.0	<5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	**0.63 J**	< 1.0	**0.77 J**	< 1.0	< 1.0	**2.8**	< 1.0	<5.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	**0.33 J**	< 1.0 *	< 1.0	**0.99 J**	< 1.0	<5.0
	06/10/2020	<5.00	<25.0	<25.0	<12.5	<5.00	<5.00	**<5.00**	<5.00	<25.0	**4.05 J**	0.535 J	<100
	08/19/2020	<5.00	<25.0	<25.0	<12.5	<5.00	<5.00	**<5.00**	<5.00	<25.0	**2.57 J**	<5.00	<100
	11/04/2020	<1.00	<5.00	<5.00	<2.50	**0.362 J**	<1.00	<1.00	<1.00	<5.00	**1.80**	**0.216 J**	<20.0
AMW-15-D2	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	**3.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	**3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	**1.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	**0.86 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	**1.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**5.1**	< 4.0	< 10
	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
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	**0.26 J**	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	**0.34 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	06/09/2020	<1.00	<5.00	<5.00	<2.50	**0.310 J**	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
	11/04/2020	<1.00	<5.00	<5.00	<2.50	**0.188 J**	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
AMW-15-D3	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	**19**	< 4.0	< 4.0	< 4.0	< 4.0	**3.4 J**	< 4.0	< 10

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		Chlorobenzene	Chloroethane	Chloroform	Chloro-methane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate
NYSDEC TOGS 1.1.1		5	5	7	5	5	0.4	NE	50	5	5	5	NE
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.)	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	< 5.0
	07/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	**3.1**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	**0.44 J**	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	**0.99 J**	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5.0
	06/09/2020	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	**1.73**	<1.00	<1.00	<1.00	<5.00	**0.161 J**	<1.00	<20.0
	11/04/2020	<1.00	<5.00	<5.00	<2.50	**0.951 J**	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
AMW-15-VD	06/23/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	07/27/2016	< 1.0	< 1.0	**0.74 J**	< 1.0	< 1.0	< 1.0	< 1.0	**1**	< 1.0	< 1.0	< 1.0	< 2.5
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	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	< 2.5
	07/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	06/09/2020	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
	11/04/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
AMW-3	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**57**	< 5.0	< 5.0	**29**	**65**	< 13
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
AMW-7R	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**18**	< 1.0	< 1.0	< 1.0	**2.8**	< 2.5
	07/11/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**16**	< 2.0	< 2.0	< 2.0	**7.1**	< 5.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**29**	< 1.0	< 1.0	**0.19 J**	**4.9**	< 10
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	**19**	< 1.0	< 1.0	**0.39 J**	**4.2**	<5.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**16**	< 1.0	< 1.0	< 1.0	**4.4**	<5.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**11**	< 1.0	< 1.0	**0.49 J**	**1.9**	<5.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	**17**	< 1.0	< 1.0	**0.49 J**	**3.9**	< 5.0
	06/09/2020	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	**13.5**	<1.00	<5.00	**0.805 J**	**4**	<20.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	**14.6**	<1.00	<5.00	**0.331 J**	**3.11**	<20.0
	11/06/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	**11.6**	<1.00	<5.00	<1.00	**3.27**	<20.0
ASB-2	06/06/2016	< 1.0	< 1.0	**14**	< 1.0	**5.6**	< 1.0	< 1.0	**0.35 J**	< 1.0	< 1.0	< 1.0	< 2.5
ASB-3	06/08/2016	< 1.0	< 1.0	**0.92 J**	< 1.0	**2.8**	< 1.0	< 1.0	**1.5**	< 1.0	< 1.0	< 1.0	< 2.5
ASB-4	06/07/2016	< 5.0	< 5.0	< 5.0	< 5.0	**1600 E**	< 5.0	**5**	< 5.0	< 5.0	**6.7**	< 5.0	< 13
ASB-5	06/02/2016	< 1.0	< 1.0	**19**	< 1.0	**2.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
ASB-7	06/02/2016	< 2.0	< 2.0	**21**	< 2.0	**67**	< 2.0	< 2.0	**0.65 J**	< 2.0	< 2.0	< 2.0	< 5.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		Chlorobenzene	Chloroethane	Chloroform	Chloro-methane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate
NYSDEC TOGS 1.1.1		5	5	7	5	5	0.4	NE	50	5	5	5	NE
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-18R	06/22/2016	< 10	< 10	< 10	< 10	**14**	< 10	**20**	< 10	< 10	< 10	**14**	< 25
	07/11/2018	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50
	10/17/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**8.3 J**	< 5.0	< 5.0	**1.2 J**	**6.8**	< 50
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	**0.38 J**	< 1.0	**6.7**	< 1.0	< 1.0	**1.4**	**7.4**	< 5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	**0.28 J**	< 1.0	**7.2**	< 1.0	< 1.0	**1.6**	**4.8**	< 5.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	**0.66 J**	< 1.0	< 1.0	< 1.0	**0.35 J**	< 5.0
	06/09/2020	<5.00 J4	<25.0	<25.0	<12.5	<5.00	<5.00	**2.51 J**	<5.00	<25.0	**1.27 J**	**4.03 J**	<100
MW-23-D1R	10/26/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**0.40 J**	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0
	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	< 13
	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13
	06/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	07/05/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	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	< 10
	07/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	**1.7**	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	**0.56 J**	< 10
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	**0.73 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.35 J**	< 5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	**0.72 J**	< 1.0	**0.41 J**	< 1.0	< 1.0	< 1.0	**0.44 J**	< 5.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	**0.35 J**	< 1.0 *	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 5.0
	06/10/2020	<1.00	<5.00	<5.00	<2.50	**0.382 J**	<1.00	<1.00	<1.00	<5.00	<1.00	**0.439 J**	<20.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	**0.517 J**	<1.00	**0.267 J**	<1.00	<5.00	<1.00	**0.414 J**	<20.0
	11/05/2020	<1.00	<5.00	<5.00	<2.50	**0.267 J**	<1.00	**0.259 J**	<1.00	<5.00	<1.00	**0.314 J**	<20.0
MW-23-D2R	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13
	06/20/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	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	< 2.5
	07/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
	11/05/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
MW-24-D1R	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	**10**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13
	06/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	**4.9**	< 4.0	**1.9 J**	< 4.0	< 4.0	**3.1 J**	< 4.0	< 10
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	**4**	< 1.0	**1.6**	< 1.0	< 1.0	**2.3**	< 1.0	< 2.5
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	**6.1**	< 1.0	**1.4**	< 1.0	< 1.0	**2.2**	< 1.0	< 2.5
	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	< 10
	07/12/2018	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	**7.1 J**	< 8.0	< 20
	10/16/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	**6.1**	< 5.0	< 50
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.0**	< 1.0	< 5.0
	09/13/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	**1.1**	< 1.0 [<1.0]	< 1.0 [<1.0]	**7.9 [7.2]**	**0.97 J [0.86 J]**	<5.0 [<5.0]

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics												
		Chlorobenzene	Chloroethane	Chloroform	Chloro-methane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate
NYSDEC TOGS 1.1.1		5	5	7	5	5	0.4	NE	50	5	5	5	NE
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-D1R (cont.)	12/05/2019	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 **[0.99 J]**	< 1.0 [<1.0]	< 1.0 [<1.0]	**2.4 [7.2]**	1.0	<5.0 [<5.0]
	02/11/2020	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 [<1.0]	< 1.0 * [<1.0]	**0.65 J [1.]**	< 1.0 * [<1.0]	< 1.0 [<1.0]	**5.7 [8.9]**	**0.61 J [1.0]**	<5.0 [<5.0]
	06/09/2020	<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]**	**0.954 J [1.08 J]**	<100 [<100]
	08/19/2020	<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]**	**0.712 J [0.681 J]**	<100 [<100]
	11/05/2020	<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]**	**0.771 J [0.560 J]**	<100 [<100]
MW-24-D2	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13
	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	**1.6**	< 1.0	< 1.0	< 1.0	< 1.0	**0.84 J**	< 1.0	< 2.5
	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
	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	< 13
	07/05/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 20
	08/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 20
	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	< 5.0
	07/12/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	**0.52 J**	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.0 U
	06/09/2020	<1.00 J4	<5.00	<5.00	<2.50	**0.467 J**	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0
	08/18/2020	<1.00	<5.00	<5.00	<2.50	**0.364 J**	<1.00	<1.00	<1.00	<5.00	<1.00	**0.141 J**	<20.0
	11/05/2020	<1.00	<5.00	<5.00	<2.50	**0.809 J**	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
MW-24-VDR	07/12/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	**0.28 J**	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	06/09/2020	<1.00 J4	<5.00	<5.00	<2.50	**0.206 J**	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0
	08/18/2020	<1.00	<5.00	<5.00	<2.50	**0.140 J**	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
	11/05/2020	<1.00	<5.00	<5.00	<2.50	**0.218 J**	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
MW-26-D1	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13
	06/22/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	10/25/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
	10/25/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**3.0 J**	< 4.0	< 10
	07/05/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
	08/27/2017	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
	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	< 5.0
	07/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**3.5**	< 2.0	< 5.0
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	**0.42 J**	< 1.0	< 5.0	< 1.0	< 1.0	**0.95 J**	**0.43 J**	< 10
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	< 1.0	< 1.0	< 1.0	**1.8**	**0.73 J**	< 5.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	**0.75 J**	< 1.0	< 1.0	< 1.0	< 1.0	**1.2**	**0.56 J**	< 5.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		Chlorobenzene	Chloroethane	Chloroform	Chloro-methane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate
NYSDEC TOGS 1.1.1		5	5	7	5	5	0.4	NE	50	5	5	5	NE
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-D1 (cont.)	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0 *	< 1.0	< 1.0 *	< 1.0	**1.3**	**0.67 J**	< 5.0
	06/10/2020	<1.00	<5.00	<5.00	<2.50	**3.28**	<1.00	<1.00	<1.00	<5.00	**2.47**	**1.06**	<20.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	**1.45**	<1.00	<1.00	<1.00	<5.00	**1.38**	**0.555 J**	<20.0
	11/06/2020	<1.00	<5.00	<5.00	<2.50	**0.903 J**	<1.00	**0.189 J**	<1.00	<5.00	**1.05**	**0.459 J**	<20.0
MW-26-D2	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	**0.86 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	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	< 5.0
	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	< 5.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	08/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 20
	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	< 2.5
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	**0.39 J**	< 1.0	< 10
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	**0.44 J**	< 1.0	< 5.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	**0.37 J**	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	06/10/2020	<1.00	<5.00	<5.00	<2.50	**0.254 J**	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	**0.398 J**	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
MW-26-VD	01/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
MW-27-D1R	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	**1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	07/05/2017	< 2.0	< 2.0	< 2.0	< 2.0	**2.2**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0
	08/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	**3.2**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0
	07/13/2018	< 2.0	< 2.0	< 2.0	< 2.0	**2**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	**1**	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0	**0.57 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	**0.80 J**	< 1.0	< 1.0	< 1.0	< 1.0	**0.40 J**	< 1.0	< 5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	**0.95 J**	< 1.0	< 1.0	< 1.0	< 1.0	**0.48 J**	< 1.0	< 5.0
	08/19/2020	<5.00	<25.0	<25.0	<12.5	**0.855 J**	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<100
	11/06/2020	<5.00	<25.0	<25.0	<12.5	**1.13 J**	<5.00	<5.00	<5.00	<25.0	<5.00	<5.00	<100
MW-27-D2	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13
	06/21/2016	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**22 J**	< 4.0	< 4.0	**92**	**38**	< 10
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	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	< 2.5
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		Chlorobenzene	Chloroethane	Chloroform	Chloro-methane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate
NYSDEC TOGS 1.1.1		5	5	7	5	5	0.4	NE	50	5	5	5	NE
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.)	06/10/2020	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
	11/06/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
MW-28-D1	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	07/28/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	< 2.5
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	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
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	**1.4**	**0.33 J**	< 10
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	**0.49 J**	< 1.0	< 5.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.7**	**0.56 J**	< 5.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.1**	1.0 U	5.0 U
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	**2.1**	**0.34 J**	< 5.0
	06/09/2020	<1.00 J4	<5.00	<5.00	<2.50	**0.164 J**	<1.00	<1.00	<1.00	<5.00	**2.5**	**0.440 J**	<20.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	**0.750 J**	<1.00	<20.0
	11/06/2020	<1.00	<5.00	<5.00	<2.50	**0.305 J**	<1.00	**0.296 J**	<1.00	<5.00	**3.68**	**0.548 J**	<20.0
MW-28-D2R	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	07/28/2016	< 1.0	< 1.0	**0.51 J**	< 1.0	< 1.0	< 1.0	< 1.0	**3.2**	< 1.0	< 1.0	< 1.0	< 2.5
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	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	< 2.5
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 10
	10/17/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	< 5.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
	06/09/2020	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	<1.00 J4	<20.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
	11/06/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
MW-29-D1	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**13**	< 5.0	< 5.0	< 5.0	**24**	< 13
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**8**	< 1.0	< 1.0	< 1.0	**5.4**	< 2.5
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**21**	< 1.0	< 1.0	< 1.0	**16**	< 2.5
	10/26/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**11**	< 1.0	< 1.0	< 1.0	**6.4**	< 2.5
	07/05/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**7.6**	< 2.0	< 2.0	< 2.0	**7.7**	< 5.0
	08/27/2017	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**12**	< 2.0	< 2.0	< 2.0	**9.3**	< 5.0
	10/12/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**5.4**	< 4.0	< 4.0	< 4.0	**5.8**	< 10
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**24**	< 4.0	< 4.0	< 4.0	**19**	< 10
	10/18/2018	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**20**	< 1.0	< 1.0	**0.31 J**	**16**	< 10
	05/10/2019	< 1.0	< 1.0	< 1.0	< 1.0*	< 1.0	< 1.0	**24**	< 1.0	< 1.0*	**0.34 J**	**18**	< 5.0
	09/14/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2.8**	< 1.0	< 1.0	< 1.0	**2.2**	< 5.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.47 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		Chlorobenzene	Chloroethane	Chloroform	Chloro-methane (Methyl chloride)	cis-1,2-Dichloro-ethene	cis-1,3-Dichloro-propene	Cyclohexane	Dibromo-chloro-methane	Dichloro-difluoromethane (Freon 12)	Ethylbenzene	Isopropyl-benzene	Methyl acetate
NYSDEC TOGS 1.1.1		5	5	7	5	5	0.4	NE	50	5	5	5	NE
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-29-D1 (cont.)	02/12/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1.0	< 5.0
	06/10/2020	<1.00 J4	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J4	**0.107 J**	<20.0
	08/19/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<20.0
	11/06/2020	<1.00	<5.00	<5.00	<2.50	<1.00	<1.00	**0.536 J**	<1.00	<5.00	<1.00	<1.00	<20.0
MW-29-D2	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
MW-29-VD	01/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
	06/21/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
MW-30-D1	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.39 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.27 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
MW-30-D2	01/14/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 13
	01/14/2016	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
MW-30-VD	01/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
MW-31-D1R	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
MW-31-D2R	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5
	06/22/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.5

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)
NYSDEC TOGS 1.1.1		10	NE	5	5	5	5	5	0.4	5	5	2	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	01/14/2016	**32**	**5.4**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
AMW-13-D1	06/24/2016	**10**	< 1.0	< 1.0	< 1.0	**0.38 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.3**	< 2.0
	07/27/2016	**63 F1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**9.9**	< 2.0
AMW-13-D2	06/23/2016	**3.5**	< 1.0	< 1.0	< 1.0	**0.57 J**	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	07/27/2016	**41**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
AMW-13-VD	06/23/2016	**5**	< 1.0	< 1.0	< 1.0	**1.5**	**1.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	07/27/2016	**3.4**	< 1.0	< 1.0	< 1.0	**1**	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
AMW-14-D1	06/24/2016	**12**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.4**	< 2.0
	07/26/2016	**140 E**	**0.97 J**	< 1.0	< 1.0	< 1.0	**7.1**	**7.8**	< 1.0	< 1.0	< 1.0	**1600 E**	**11**
	07/05/2017	**170**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**78**	**3.2 J**
	08/27/2017	**170**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**7.6**	< 8.0
	10/11/2017	**170**	**2.4**	**0.95 J**	< 2.0	< 2.0	**1.0 J**	**13**	< 2.0	< 2.0	< 2.0	**3.2**	**20**
	07/12/2018	**160**	**1.7 J**	< 8.0	< 8.0	< 8.0	< 8.0	**8.6**	< 8.0	< 8.0	< 8.0	< 8.0	**16**
	10/17/2018	**120**	**0.40 J**	< 5.0	< 1.0	< 1.0	**0.27 J**	< 1.0	< 1.0	< 1.0	< 1.0	**32**	**1.6 J**
	05/10/2019	**250**	**3.0**	< 1.0	< 1.0	< 1.0	**0.84 J**	**11**	< 1.0	< 1.0	< 1.0*	**2.1**	**16**
	09/13/2019	**50**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**3.5**	< 1.0	< 1.0	< 1.0	**9**	< 2.0
	12/05/2019	**94**	**0.74 J**	< 1.0	< 1.0	< 1.0	< 1.0	**9.0**	< 1.0	**0.44 J**	< 1.0	**22**	**1.8 J**
	02/12/2020	**130**	**1.2**	< 1.0	< 1.0	< 1.0	**0.58 J**	**12.0**	< 1.0	**0.46 J**	< 1.0	**40**	**5.7**
	06/10/2020	**37.6**	<1.00	<5.00	<1.00	<1.00	<1.00	**3.79**	<1.00	**0.218 J**	<5.00	**5.59**	**0.780 J**
	08/19/2020	**181**	**3.18**	<5.00	<1.00	<1.00	**0.465 J**	**10.8**	<1.00	<1.00	<5.00	**4.74**	**4.86**
	11/04/2020	**190**	**3.97**	<5.00	<1.00	<1.00	**0.552 J**	**12.1**	<1.00	**0.290 J**	<5.00	**6.16**	**3.95**
AMW-14-D2	06/23/2016	**3.1**	< 1.0	< 1.0	< 1.0	< 1.0	**0.81 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	07/26/2016	**24**	< 1.0	< 1.0	< 1.0	< 1.0	**0.64 J**	**0.90 J**	< 1.0	< 1.0	< 1.0	**3.6**	< 2.0
	07/27/2016	**0.58 J**	< 1.0	< 1.0	< 1.0	**0.38 J**	**7.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	08/27/2017	**14**	**0.27 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	10/11/2017	**48**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	07/12/2018	**62**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0
	10/17/2018	**44**	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0
	05/10/2019	**33**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.85 J**	< 1.0	< 1.0	< 1.0	**0.32 J**	<2.0
	09/13/2019	**37**	< 1.0	**0.59 J**	< 1.0	< 1.0	< 1.0	**0.52 J**	< 1.0	< 1.0	< 1.0	**0.65 J**	<2.0
	12/05/2019	**29**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.33 J**	<2.0
	02/12/2020	**36**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.51 J**	< 1.0	< 1.0	< 1.0	< 1.0	<2.0
	06/10/2020	**33.2**	<10.0	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	**4.00 J**
	08/19/2020	**32.0**	<10.0	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<30.0
	11/05/2020	**31.1**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
AMW-14-VD	06/23/2016	**0.91 J**	**0.36 J**	< 1.0	< 1.0	**0.59 J**	**10**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.79 J**
	07/27/2016	**0.59 J**	< 1.0	< 1.0	< 1.0	**0.41 J**	**8.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	07/05/2017	**0.51 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	08/27/2017	**0.42 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	10/11/2017	**0.65 J**	**0.58 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**3.2**
	07/12/2018	**0.49 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	10/17/2018	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)
NYSDEC TOGS 1.1.1		10	NE	5	5	5	5	5	0.4	5	5	2	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-VD (cont.)	05/10/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	09/13/2019	**0.54 J**	<1.0	**0.36 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	12/05/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	02/12/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	06/10/2020	**0.317 J**	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00
	08/20/2020	**0.303 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
	11/05/2020	**0.434 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
AMW-15-D1	06/23/2016	**29**	< 1.0	**9.9**	< 1.0	**0.43 J**	**3**	< 1.0	< 1.0	**5.5**	< 1.0	**70**	< 2.0
	07/27/2016	**51**	< 5.0	**140**	< 5.0	< 5.0	**7.5**	< 5.0	< 5.0	**73**	< 5.0	**410**	**6.5 J**
	10/26/2016	**110**	**3.3 J**	**8.9 J**	< 10	< 10	**18**	< 10	< 10	**48**	< 10	**600 F1**	**15 J**
	10/26/2016	**180**	**0.87 J**	**4.1**	< 4.0	< 4.0	**6.6**	< 4.0	< 4.0	**18**	< 4.0	**240**	**5.5 J**
	07/05/2017	**170**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**10**	< 8.0
	08/27/2017	**200**	< 4.0	**2.2 J**	< 4.0	< 4.0	**17**	**28**	< 4.0	< 4.0	< 4.0	**76**	**17**
	10/11/2017	**300 E**	< 2.0	< 2.0	< 2.0	< 2.0	**5.9**	**13**	< 2.0	< 2.0	< 2.0	**24**	**12**
	10/17/2018	**170**	**1.2 J**	< 25	< 5.0	< 5.0	**1.5 J**	**21**	< 5.0	< 5.0	< 5.0	< 5.0	**19**
	05/09/2019	**120**	**0.50 J**	< 1.0	< 1.0	< 1.0	< 1.0	**7.4**	< 1.0	< 1.0	< 1.0*	**1.1**	**6.3**
	09/13/2019	**100**	**0.51 J**	< 1.0	< 1.0	< 1.0	< 1.0	**6.7**	< 1.0	< 1.0	< 1.0	**2**	**5.1**
	12/05/2019	**120**	< 1.0	**0.41 J**	< 1.0	< 1.0	**0.43 J**	**7.1**	< 1.0	< 1.0	< 1.0	**2.2**	**5.8**
	02/11/2020	**37**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.5**	< 1.0	< 1.0	< 1.0	< 1.0	**1.6 J**
	06/10/2020	**171**	<5.00	<25.0	<5.00	<5.00	<5.00	**5.47**	<5.00	<5.00	<25.0	<5.00	**6.20 J**
	08/19/2020	**94.3**	<5.00	<25.0	<5.00	<5.00	<5.00	**4.20 J**	<5.00	<5.00	<25.0	<5.00	**2.96 J**
	11/04/2020	**76.7**	<1.00	<5.00	<1.00	<1.00	<1.00	**2.53**	<1.00	<1.00	<5.00	<1.00	**1.61 J**
AMW-15-D2	06/23/2016	**68**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.8**	< 2.0
	06/23/2016	**66**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.7**	< 2.0
	07/27/2016	**43**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**3.5**	< 2.0
	10/26/2016	**42**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**4.7**	< 2.0
	10/26/2016	**110 E**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**30**	< 2.0
	07/05/2017	**120**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0
	08/27/2017	**350**	< 4.0	< 4.0	< 4.0	< 4.0	**7.8**	**5.5**	< 4.0	< 4.0	< 4.0	**300**	**12**
	10/11/2017	**160**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**25**	< 8.0
	10/17/2018	**120**	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0
	05/10/2019	**61**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0
	09/13/2019	**100**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.39 J**	<2.0
	12/05/2019	**96**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0
	02/11/2020	**91**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0
	06/09/2020	**126**	<1.00	<5.00	<1.00	<1.00	<1.00	**0.209 J**	<1.00	<1.00	<5.00	<1.00	**0.225 J**
	08/19/2020	**11.0**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
	11/04/2020	**57.1**	<1.00	<5.00	<1.00	<1.00	<1.00	**0.430 J**	<1.00	<1.00	<5.00	<1.00	<3.00
AMW-15-D3	06/23/2016	**2.4**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/23/2016	**2.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	07/27/2016	**23**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	08/27/2017	**64**	< 4.0	**2.4 J**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**140**	< 4.0	**16**	**17**

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)
NYSDEC TOGS 1.1.1		10	NE	5	5	5	5	5	0.4	5	5	2	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.)	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	< 4.0
	07/13/2018	**22**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**20**	< 2.0	< 2.0	< 4.0
	10/17/2018	**10**	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**3.5**	< 1.0	< 1.0	< 3.0
	05/10/2019	**16**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.39 J**	< 1.0	< 1.0	<2.0
	09/13/2019	**14**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.54 J**	< 1.0	< 1.0	<2.0
	12/05/2019	**7.7**	< 1.0	**0.32 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0
	02/11/2020	**51**	<5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**4.3**	< 1.0	**0.57 J**	<2.0
	06/09/2020	**10.1**	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
	08/19/2020	**72.8**	<1.00	<5.00	<1.00	<1.00	<1.00	**0.226 J**	<1.00	**8.84**	<5.00	<1.00	**0.376 J**
	11/04/2020	**80.6**	<1.00	<5.00	<1.00	<1.00	<1.00	**<1.00**	<1.00	**4.31**	<5.00	<1.00	**0.174 J**
AMW-15-VD	06/23/2016	**1.1**	< 1.0	< 1.0	< 1.0	< 1.0	**0.52 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	07/27/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**15**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	08/27/2017	**1.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	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	**3**
	07/13/2018	**0.44 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	10/17/2018	**1.3**	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0
	05/10/2019	**1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0
	09/13/2019	**1.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0
	12/05/2019	**1.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0
	02/11/2020	**1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.0
	06/09/2020	**0.856 J**	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00
	08/19/2020	**0.684 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
	11/04/2020	**0.581 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
AMW-3	01/13/2016	< 5.0	**27**	**15**	< 5.0	< 5.0	**6.9**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**20**
	06/21/2016	**0.40 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
AMW-7R	01/12/2016	**1.4 J**	**1.5 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	06/21/2016	**0.23 J**	**9.4**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.79 J**
	07/11/2018	< 2.0	**29**	**1.1 J**	< 2.0	< 2.0	**1.0 J**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0
	10/17/2018	< 1.0	**50**	< 5.0	< 1.0	< 1.0	**0.60 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.61 J**
	05/10/2019	< 1.0	**31**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.3 J**
	09/14/2019	< 1.0	**29**	**0.53 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	12/06/2019	< 1.0	**7.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.73 J**
	02/12/2020	< 1.0	**24**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.86 J**
	06/09/2020	<1.00	**14.9**	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	**1.66 J**
	08/19/2020	<1.00	**25.1**	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	**0.990 J**
	11/06/2020	<1.00	**18.9**	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	**0.241 J**
ASB-2	06/06/2016	**55**	< 1.0	< 1.0	< 1.0	**1.4**	**0.87 J**	< 1.0	< 1.0	**4.4**	< 1.0	**6**	< 2.0
ASB-3	06/08/2016	**8.5**	< 1.0	**0.60 J**	< 1.0	**1.3**	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	**81**	< 2.0
ASB-4	06/07/2016	**13**	**4.5 J**	**330**	< 5.0	**6.7**	**9**	**13**	< 5.0	**1500 E**	< 5.0	**400**	**36**
ASB-5	06/02/2016	**4.6**	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	< 1.0	< 1.0	**4.8**	< 1.0	**11**	**0.89 J**
ASB-7	06/02/2016	**5.5**	< 2.0	< 2.0	< 2.0	**1.2 J**	< 2.0	< 2.0	< 2.0	**1.7 J**	< 2.0	**31**	< 4.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)
NYSDEC TOGS 1.1.1		10	NE	5	5	5	5	5	0.4	5	5	2	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-18R	06/22/2016	**65**	**4.4 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
	07/11/2018	**11 J**	**5.1 J**	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40
	10/17/2018	**28**	**6.2 J**	< 25	< 5.0	< 5.0	**4.1 J**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**5.2 J**
	09/14/2019	**40**	**5.6**	**0.68 J**	< 1.0	< 1.0	**4.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**7.1**
	12/05/2019	**14**	**3.3**	**0.62 J**	< 1.0	< 1.0	**4.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**5.2**
	02/12/2020	< 1.0	**0.56 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/09/2020	**3.42 J**	<5.00	<25.0	<5.00	<5.00 J4	**3.31 J**	<5.00	<5.00	<5.00 J4	<25.0	<5.00	**5.52 J**
MW-23-D1R	10/26/2016	**140**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0
	10/26/2016	**180**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	01/12/2016	**210**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	06/20/2016	**30**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	07/05/2017	**140**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0
	08/27/2017	**130**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0
	10/12/2017	**150**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0
	07/12/2018	**91**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0
	10/17/2018	**94**	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1**	< 3.0
	09/13/2019	**92**	< 1.0	**0.53 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.26 J**	< 2.0
	12/05/2019	**83**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	02/11/2020	**35**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/10/2020	**106**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	**0.190 J**
	08/19/2020	**85.5**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
	11/05/2020	**98.5**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
MW-23-D2R	01/12/2016	**130**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	06/20/2016	**26**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	07/05/2017	**8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	08/27/2017	**72**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0
	10/12/2017	**150 E**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.2**	< 2.0
	07/12/2018	**8.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
	05/09/2019	**8.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	09/13/2019	**63**	< 1.0	**0.47 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	12/05/2019	**14**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	08/19/2020	**42.2**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
	11/05/2020	**71.1**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
MW-24-D1R	01/13/2016	**220**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**99**	< 10
	06/21/2016	**160**	**1.3 J**	< 4.0	< 4.0	< 4.0	< 4.0	**11**	< 4.0	< 4.0	< 4.0	**35**	**9.3**
	10/26/2016	**140 E**	**0.64 J**	< 1.0	< 1.0	< 1.0	**0.68 J**	**6.5**	< 1.0	< 1.0	< 1.0	**33**	**7.2**
	10/26/2016	**120 E**	**0.66 J**	< 1.0	< 1.0	< 1.0	**0.64 J**	**6.8**	< 1.0	< 1.0	< 1.0	**15**	**6.6**
	10/26/2016	**81**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0
	07/12/2018	**290**	< 8.0	< 8.0	< 8.0	< 8.0	**23**	**22**	< 8.0	< 8.0	< 8.0	**160**	**29**
	10/16/2018	**270**	< 25	< 25	< 5.0	< 5.0	**17**	**12**	< 5.0	< 5.0	< 5.0	**22**	**25**
	05/09/2019	**65**	< 1.0	< 1.0	< 1.0	< 1.0	**1.5**	**2.0**	< 1.0	< 1.0	< 1.0	**1.5**	**3.6**
	09/13/2019	**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]	**8.0 [9.2]**	**33 [30]**

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)
NYSDEC TOGS 1.1.1		10	NE	5	5	5	5	5	0.4	5	5	2	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-D1R (cont.)	12/05/2019	**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]	**3.4 [5.4]**	**11 [29]**
	02/11/2020	**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]	**2.3 [7.9]**	**24 [37]**
	06/09/2020	**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]	**2.86 J [<5.00]**	**31.1 [34.4]**
	08/19/2020	**220 [206]**	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	<5.00 [<5.00]	<5.00 [<5.00]	**12.9 [13.2]**	<5.00	<5.00 [<5.00]	<25.0 [<25.0]	<5.00 [<5.00]	**26.9 [26.3]**
	11/05/2020	**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]	<5.00 [<5.00]	**24.1 [18.6]**
MW-24-D2	01/13/2016	**260**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**180**	< 10
	01/13/2016	**250**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**170**	< 10
	06/21/2016	**140 E**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.98 J**	< 1.0	< 1.0	< 1.0	**38**	< 2.0
	10/25/2016	**120**	< 4.0	**120**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**20**	< 8.0
	10/25/2016	**270**	< 5.0	**84 F1**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**280 F1**	< 10
	07/05/2017	**220**	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	**250 F1**	< 16
	08/27/2017	**87**	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	**72**	< 16
	10/11/2017	**60**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**18**	< 4.0
	07/12/2018	**2.5**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0
	10/17/2018	**2**	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.23 J**	< 3.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	12/05/2019	**13**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	02/11/2020	**47**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/09/2020	**136**	<1.00	<5.00	<1.00	<1.00 J4	<1.00	**0.716 J**	<1.00	<1.00 J4	<5.00	**0.269 J**	<3.00
	08/18/2020	**76.4**	<1.00	<5.00	<1.00	<1.00	<1.00	**0.359 J**	<1.00	<1.00	<5.00	<1.00	<3.00
	11/05/2020	**296**	<1.00	<5.00	<1.00	<1.00	<1.00	**1.13**	<1.00	**0.244 J**	<5.00	<1.00	<3.00
MW-24-VDR	07/12/2018	**4.2**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0
	10/17/2018	**2.9**	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.55 J**	< 3.0
	05/09/2019	**1.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.40 J**	< 2.0
	09/13/2019	**0.75 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.35 J**	< 2.0
	12/05/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	02/11/2020	**1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/09/2020	**0.998 J**	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00
	08/18/2020	**1.16**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
	11/05/2020	**0.944 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
MW-26-D1	01/12/2016	**380**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**16**	< 10
	06/22/2016	**340**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**20**	< 8.0
	10/25/2016	**310**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**18**	< 20
	10/25/2016	**390**	< 4.0	**3.6 J**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**51**	< 8.0
	07/05/2017	**290**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**28**	< 20
	08/27/2017	**240**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
	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	< 4.0
	07/13/2018	**220 E**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**13**	< 4.0
	10/17/2018	**110**	< 5.0	< 5.0	< 1.0	< 1.0	**0.23 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0
	09/13/2019	**86**	< 1.0	< 1.0	< 1.0	< 1.0	**0.67 J**	**1.0**	< 1.0	< 1.0	< 1.0	**19**	< 2.0
	12/06/2019	**77**	< 1.0	< 1.0	< 1.0	< 1.0	**0.4 J**	**0.74 J**	< 1.0	< 1.0	< 1.0	**12**	< 2.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)
NYSDEC TOGS 1.1.1		10	NE	5	5	5	5	5	0.4	5	5	2	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-D1 (cont.)	02/11/2020	**80**	< 1.0	< 1.0	< 1.0	< 1.0	**0.46 J**	**0.92 J**	< 1.0	< 1.0	< 1.0	**26**	< 2.0
	06/10/2020	**115**	<1.00	<5.00	<1.00	<1.00	**0.516 J**	**2.36**	<1.00	<1.00	<5.00	**79.3**	**1.74 J**
	08/19/2020	**97.4**	<1.00	<5.00	<1.00	<1.00	<1.00	**1.57**	<1.00	<1.00	<5.00	**39**	**1.02 J**
	11/06/2020	**84.1**	<1.00	<5.00	<1.00	<1.00	<1.00	**1.42**	<1.00	<1.00	<5.00	**38.8 C5**	**0.793 J**
MW-26-D2	01/12/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	06/22/2016	**59**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.2**	< 2.0
	10/25/2016	**85**	< 2.0	**15**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0
	10/25/2016	**43**	< 2.0	**81**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	08/27/2017	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 16
	10/11/2017	**14**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	10/17/2018	**76**	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0
	05/09/2019	**84**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.90 J**	< 1.0	**0.50 J**	< 1.0	**1.5**	< 2.0
	09/13/2019	**60**	< 1.0	**0.44 J**	< 1.0	< 1.0	< 1.0	**0.56 J**	< 1.0	< 1.0	1.0 U	< 1.0	< 2.0
	12/06/2019	**29**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	02/11/2020	**52**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/10/2020	**105**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	**0.218 J**
	08/19/2020	**64.4**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
MW-26-VD	01/13/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/22/2016	**0.96 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
MW-27-D1R	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	06/21/2016	**10**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.97 J**	< 2.0
	07/05/2017	**84**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**28**	< 4.0
	08/27/2017	**100**	< 2.0	**0.94 J**	< 2.0	< 2.0	< 2.0	**5**	< 2.0	< 2.0	< 2.0	**110**	< 4.0
	07/13/2018	**62**	< 2.0	< 2.0	< 2.0	< 2.0	**1.6 J**	**4.1**	< 2.0	< 2.0	< 2.0	**88**	< 4.0
	10/18/2018	**38**	< 5.0	< 5.0	< 1.0	< 1.0	**1**	< 1.0	< 1.0	**0.26 J**	< 1.0	**70**	< 3.0
	05/10/2019	**18**	< 1.0	< 1.0	< 1.0	< 1.0	**0.44 J**	**0.96 J**	< 1.0	< 1.0	< 1.0	**17**	< 2.0
	09/14/2019	**33**	< 1.0	< 1.0	< 1.0	< 1.0	**1.2**	**2.3**	< 1.0	< 1.0	< 1.0	**25**	**1.2 J**
	12/05/2019	**39**	< 1.0	< 1.0	< 1.0	< 1.0	**1.7**	**3.6**	< 1.0	**0.37 J**	1.0 U	**61**	**1.6 J**
	08/19/2020	**26.0**	<5.00	<25.0	<5.00	<5.00	<5.00	**1.52 J**	<5.00	<5.00	<25.0	**33.6**	**1.12 J**
	11/06/2020	**22.2**	<5.00	<25.0	<5.00	<5.00	<5.00	**2.01 J**	<5.00	<5.00	<25.0	**26.0 C5**	<15.0
MW-27-D2	01/13/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	06/21/2016	**8.1**	**26**	**5.7**	< 4.0	< 4.0	**17**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**68**
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	08/27/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	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	< 2.0
	07/13/2018	**3.4 J**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0
	10/18/2018	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0
	05/10/2019	**7.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	09/14/2019	**9.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	12/05/2019	**4.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	02/12/2020	**4.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)
NYSDEC TOGS 1.1.1		10	NE	5	5	5	5	5	0.4	5	5	2	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.)	06/10/2020	**0.843 J**	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	**0.181 J**
	08/19/2020	**1.21**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
	11/06/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
MW-28-D1	06/24/2016	**6.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	07/28/2016	**4.7 J**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
	07/05/2017	**19**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	08/27/2017	**6.6**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0
	10/11/2017	**4.8**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0
	10/17/2018	**9.5**	< 5.0	< 5.0	< 1.0	< 1.0	**0.39 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2.6 J**
	05/09/2019	**7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.47 J**
	09/13/2019	**22**	< 1.0	**0.42 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.0**	**2.2**
	12/05/2019	**21**	< 1.0	< 1.0	< 1.0	< 1.0	**0.53 J**	**0.25 J**	< 1.0	< 1.0	< 1.0	**0.68 J**	**1.9 J**
	02/11/2020	**34**	< 1.0	< 1.0	< 1.0	< 1.0	**0.62 J**	**0.35 J**	< 1.0	< 1.0	< 1.0	**1.7**	**3**
	06/09/2020	**20.1**	<1.00	<5.00	<1.00	<1.00 J4	**0.578 J**	**0.205 J**	<1.00	<1.00 J4	<5.00	**0.625 J**	**3.11**
	08/19/2020	**16.5**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	**1.02 J**
	11/06/2020	**28.8**	<1.00	<5.00	<1.00	<1.00	**0.497 J**	**0.362 J**	<1.00	<1.00	<5.00	<1.00	**4.11**
MW-28-D2R	06/24/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	07/28/2016	**0.25 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	07/05/2017	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	08/27/2017	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 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	< 2.0
	07/13/2018	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 8.0
	10/17/2018	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0
	05/09/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	09/13/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	12/06/2019	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	02/11/2020	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/09/2020	<1.00	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00
	08/19/2020	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
	11/06/2020	**0.108 J**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
MW-29-D1	01/14/2016	**34**	**5.5**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	06/21/2016	**23**	**3.8**	< 1.0	< 1.0	< 1.0	**1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2**
	10/26/2016	**44**	**10**	< 1.0	< 1.0	< 1.0	**3.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**9.7**
	10/26/2016	**23**	**2.5**	< 1.0	< 1.0	< 1.0	**1.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**4**
	07/05/2017	**71**	**1.8 J**	< 2.0	< 2.0	< 2.0	**2.3**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**3.7 J**
	08/27/2017	**28**	**5.8**	< 2.0	< 2.0	< 2.0	**1.7 J**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**4.3**
	10/12/2017	**20**	**1.5 J**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**4.3 J**
	07/13/2018	**39**	**11**	< 4.0	< 4.0	< 4.0	**3.0 J**	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	**5.5 J**
	10/18/2018	**33**	**11**	< 5.0	< 1.0	< 1.0	**2.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**8.1**
	05/10/2019	**51**	**8.6**	< 1.0	< 1.0	< 1.0	**2.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**3.3**
	09/14/2019	**18**	**1.2**	**0.48 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	12/06/2019	**12**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	Volatile Organics											
		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-fluoromethane (Freon 11)	Vinyl Chloride (Chloroethene)	Xylene (total)
NYSDEC TOGS 1.1.1		10	NE	5	5	5	5	5	0.4	5	5	2	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-29-D1 (cont.)	02/12/2020	**3.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/10/2020	**22.7**	<1.00	<5.00	<1.00	<1.00 J4	<1.00	<1.00	<1.00	<1.00 J4	<5.00	<1.00	<3.00
	08/19/2020	**29.5**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
	11/06/2020	**28.7**	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<3.00
MW-29-D2	01/14/2016	**66**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/21/2016	**51**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
MW-29-VD	01/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
	06/21/2016	**0.42 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
MW-30-D1	01/14/2016	**100 E**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/22/2016	**53**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
MW-30-D2	01/14/2016	**7.3**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10
	01/14/2016	**8.1**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0
	06/22/2016	**3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
MW-30-VD	01/14/2016	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20
	06/22/2016	**0.47 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
MW-31-D1R	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/22/2016	**3.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
MW-31-D2R	01/14/2016	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0
	06/22/2016	**0.32 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
AMW-12	01/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-D1	06/24/2016	NA	NA	NA	NA	3,500	510 B	NA	569,000 B	5,69,000 B	NA	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-D2	06/23/2016	NA	NA	NA	NA	2,700	740 B	NA	1100 B	7,32,000 B	NA	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-13-VD	06/23/2016	NA	NA	NA	NA	26,100	1100 B	NA	1100 B	7,32,000 B	NA	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMW-14-D1	06/24/2016	NA	NA	NA	NA	410	370 B	NA	< 140	8,86,000 B	NA	NA
	07/26/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/05/2017	130	< 150	< 140	1,100	4,700	48	16,90,000 ^	NA	7,16,000 B	3,060	4.5
	08/27/2017	79	< 330	200 J	550	5,200	49 B	1,730,000	NA	5,63,000 B	3,130	5.2
	10/11/2017	23	< 170	190	580	4,400	48 B	1,590,000	NA	563,000	1,860	4.4
	07/12/2018	42	< 660	260 J	2,000	1,600	14 B	975,000	NA	6,23,000 B	2,970	1.5
	10/17/2018	120 B	< 330	< 310	1,600	5,000	55 B	1,560,000	NA	673,000	3,620	4.7
	05/10/2019	73	150 J	440	1,900	5,780	94.9	1,740,000	NA	805,000	3,700	5.8
	09/13/2019	150	<83	<77	3,600	3,630	70.2	1,680,000	NA	779,000	3,000	3.1
	12/05/2019	160	13	210	3,800	6,940	59	1,100,000	NA	582,000	2,100	6.9
	02/12/2020	100 B	160	690	3,000 B	5,170	41.1	967,000	NA	386,000	2,400	5
	06/10/2020	43.1 T8	<13.0	86.3	3,200	1,800	33.3	1,380,000	NA	613,000	2,750	0.334 T8
	08/19/2020	42,500 T8	378	176	3,340	8,480	131	1,930,000	NA	678	2,950	6.97 T8
	11/04/2020	28.2 T8	816	225	5,990	3,130	22.0	986,000	NA	581,000	3,030	2.71 T8
AMW-14-D2	06/23/2016	NA	NA	NA	NA	6,600	510 B	NA	740 B	7,40,000 B	NA	NA
	07/26/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/27/2017	18	< 83	< 77	210	34 J	16 B	13,500	NA	4,39,000 B	4,930	< 0.10
	10/11/2017	100	< 170	< 150	1,200	17,300	760 B	3,260,000	NA	830,000	4,070	17.3
	07/12/2018	120	< 330	< 310	970	2,500	78 B	2,210,000	NA	7,85,000 B	4,380	2.5
	10/17/2018	150 B	< 330	< 310	2,200	2,700	100 B	2,230,000	NA	4,85,000 B	4,510	2.7
	05/10/2019	150	< 330	< 310	1,900	548	80.1	2,080,000	NA	822,000	4,200	<0.10
	09/13/2019	160	<83	<77	2,600	1,870	86.3	2,070,000	NA	823,000	3,400	1.3
	12/05/2019	170	0.74 J	< 3.0	2,200	6,830	135	2,380,000	NA	727,000	4,200	6.5
	02/12/2020	120 B	1.1 J	< 3.0	1,800 B	5,590	116	1,630,000	NA	810,000	4,500	4.7
	06/10/2020	69.7 T8	<13.0	<13.0	2,070	5,070	119	1,990,000	NA	744,000	4,190	2.71 T8
	08/19/2020	55,800 T8	<13.0	<13.0	1670	17,800	340	2,510,000	NA	832	4,380	16.9 T8
	11/05/2020	26.3 T8	<13.0	<13.0	1,970	3,290	104	1,950,000	NA	692,000	4,330	2.96 T8
AMW-14-VD	06/23/2016	NA	NA	NA	NA	37,800	720 B	NA	427	427,000	NA	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/05/2017	120	< 7.5	< 7.0	20	11,300	300	48,00,000 ^	NA	4,40,000 B	15,200	11.3
	08/27/2017	100	< 7.5	< 7.0	18	17,000	420 B	9,160,000	NA	4,15,000 B	15,400	12.3
	10/11/2017	82	< 7.5	< 7.0	48	16,400	390 B	8,680,000	NA	454,000	16,200	14.8
	07/12/2018	120	< 7.5	< 7.0	27	18,400	410 B	8,660,000	NA	4,72,000 B	19,400	18.4
	10/17/2018	110 B	< 7.5	< 7.0	24	18,500	390 B	9,100,000	NA	4,09,000 B	16,300	18.5

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
	Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
AMW-14-VD (cont.)	05/10/2019	**130**	<7.5 H	<7.0 H	**12 H**	**14,700**	**387**	**71,50,000 B**	NA	**493,000**	**110,000**	**14.4**
	09/13/2019	**140**	<7.5	<7.0	**20**	**15,200**	**376**	**6,810,000**	NA	**493,000**	**14,000**	**13.8**
	12/05/2019	**130**	< 4.0	<3.0	**33**	**18,800**	**432**	**8,960,000**	NA	**493,000**	**17,000**	**18.7**
	02/12/2020	**100 B**	< 4.0	< 3.0	**28 B**	**12,800**	**339**	**5,740,000**	NA	**495,000**	**15,000**	**12.1**
	06/10/2020	**88.9 T8**	<13.0	<13.0	**467**	**17,600**	**381**	**8,070,000**	NA	**528,000**	**18,000**	<0.100 T8
	08/20/2020	**82,100 T8**	<13.0	<13.0	**26.4**	**16700**	**389**	**8,790,000**	NA	**527**	**17,000**	**1.82 T8**
	11/05/2020	<20 T8	<13.0	<13.0	**48.6**	**18,000**	**396**	**7,940,000**	NA	**501,000**	**17,200**	<0.1 T8
AMW-15-D1	06/23/2016	NA	NA	NA	NA	**2,200**	**500 B**	NA	**602**	**602,000**	NA	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/26/2016	NA	NA	NA	NA	**1,900 B**	**70 B**	NA	**130**	**130,000**	NA	NA
	10/26/2016	NA	NA	NA	NA	**95 B**	**110 B**	NA	**528**	**528,000**	NA	NA
	07/05/2017	**110**	< 150	< 140	**400**	**2,100**	**84**	**17,50,000 ^**	NA	**597,000**	**73.2**	**2.1**
	08/27/2017	**27**	**92 J**	**830**	**4,000**	**12,400**	**170 B**	**1,520,000**	NA	**4,71,000 B**	**2,480**	**12.4**
	10/11/2017	**34**	< 330	**470**	**2,400**	**6,900**	**100 B**	**17,10,000 ^**	NA	**641,000**	**2,760**	**6.9**
	10/17/2018	**40**	< 660	< 620	**5,100**	**3,900**	**320**	**989,000**	NA	**442,000**	**1,910**	**3.8**
	05/09/2019	**52**	<830	<770	**3,200**	**3,340**	**335**	**1,170,000**	NA	**422,000**	**2,500**	**3.3**
	09/13/2019	**47**	**290 J**	**150 J**	**4,000**	**3,740**	**311**	**1,160,000**	NA	**254,000**	**1,700**	**1.5**
	12/05/2019	**39**	**490**	**550**	**6,200**	**3,550**	**243**	**1,200,000**	NA	**424,000**	**2,000**	**3.2**
	02/11/2020	**20 B**	**89**	**49**	**700 B**	**4,740**	**303**	**1,050,000**	NA	**206,000**	**1,800**	**3.3**
	06/10/2020	<20.0 T8	**775**	**165**	**6,590**	**512**	**150**	**1,050,000**	NA	**393,000**	**2,010**	<0.050 T8
	08/19/2020	<20000 T8	**550**	**27.5**	**4,380**	**1,320**	**126**	**1,460,000**	NA	**442**	**1990**	**0.836 T8**
	11/04/2020	<20 T8	**722**	<13.0	**5,200**	**800**	**80.5**	**1,030,000**	NA	**425,000**	**2,250**	**0.142 T8**
AMW-15-D2	06/23/2016	NA	NA	NA	NA	**110**	**5.8 B**	NA	**50 B**	**1,81,000 B**	NA	NA
	06/23/2016	NA	NA	NA	NA	**120**	**6.3 B**	NA	**185**	**185,000**	NA	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/26/2016	NA	NA	NA	NA	**50 B**	**85 B**	NA	**99.9**	**99,900**	NA	NA
	10/26/2016	NA	NA	NA	NA	< 50	**98 B**	NA	**600**	**600,000**	NA	NA
	07/05/2017	**98**	< 150	< 140	**430**	**700**	**110**	**20,90,000 ^**	NA	**687,000**	**3,700**	**0.53**
	08/27/2017	**94**	< 170	**37 J**	**880**	**3,500**	**140 B**	**2,200,000**	NA	**6,73,000 B**	**3,650**	**3.5**
	10/11/2017	**68**	< 170	< 150	**280**	**4,500**	**130 B**	**21,50,000 ^**	NA	**811,000**	**3,710 F1**	**4.5**
	10/17/2018	**110**	< 330	< 310	**560**	**750**	**55**	**2,130,000**	NA	**461,000**	**3,790**	**0.75**
	05/10/2019	**130**	<170	<150	**520**	**328**	**72**	**2,030,000**	NA	**672,000**	**4,200**	**0.24**
	09/13/2019	**140**	<170	<150	**680**	**493**	**54.6**	**2,030,000**	NA	**649,000**	**3,800**	**0.35**
	12/05/2019	**120**	**1.3 J**	3 U	**800**	**739**	**62.7**	**1,870,000**	NA	**636,000**	**4,000**	**0.46**
	02/11/2020	**97 B**	**1.9 J**	< 3.0	**690 B**	**978**	**69.9**	**1,820,000**	NA	**651,000**	**4,200**	**0.79**
	06/09/2020	**39.8 T8**	<13.0	<13.0	**920**	**595**	**75.7**	**1,580,000**	NA	**610,000**	**3,750**	<0.050 T8
	08/19/2020	**46,600 T8**	<13.0	<13.0	**409**	**10,500**	**150**	**2,230,000**	NA	**413**	**2410**	**5.04 T8**
	11/04/2020	**21.5 T8**	**6.37 J**	<13.0	**809**	**963**	**76.6**	**1,940,000**	NA	**540,000**	**4,150**	**0.29 T8**
AMW-15-D3	06/23/2016	NA	NA	NA	NA	**98**	**250 B**	NA	**2,980,000 ^**	**6,17,000 B**	NA	NA
	06/23/2016	NA	NA	NA	NA	**120**	**240 B**	NA	**< 5**	**12,200 B**	NA	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/27/2017	**5.1**	< 330	< 310	**2,400**	**2,300**	**450 B**	**29,80,000 ^**	NA	**4,08,000 B**	**4,230**	**2.3**

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
AMW-15-D3 (cont.)	10/11/2017	< 5	< 170	< 150	**610**	**450**	**99 B**	**25,00,000 ^**	NA	**508,000**	**7,530**	**0.45**
	07/13/2018	**7.6**	< 330	< 310	**1,500**	**3,100**	**1,100 B**	**3,870,000**	NA	**5,18,000 B**	**4,670**	**3.1**
	10/17/2018	**100**	< 170	< 150	**2,800**	**260**	**200**	**2,610,000**	NA	**108,000**	**7,380**	**0.26**
	05/10/2019	**140**	<330	<310	**1,600**	**301**	**222**	**2,730,000**	NA	**616,000**	**8,800**	**0.30**
	09/13/2019	**130**	< 170	< 150	**1,400**	**612**	**231**	**2,720,000**	NA	**646,000**	**4,400**	**0.40**
	12/05/2019	**100**	< 4.0	< 3.0	**1,400**	**349**	**97.4**	**1,550,000**	NA	**594,000**	**5,300**	**0.35**
	02/11/2020	**85 B**	**3.1 J**	< 3.0	**1,100 B**	**3,631**	**106**	**1,330,000**	NA	**626,000**	**2,600**	**3.10**
	06/09/2020	**29.8 T8**	<13.0	<13.0	**1,340**	**1,130**	**138**	**1,690,000**	NA	**676,000**	**4,630**	**0.605 T8**
	08/19/2020	**52,200 T8**	**19.0**	<13.0	**2,800**	**3,030**	**871**	**3,930,000**	NA	**479**	**8160**	**2.8 T8**
	11/04/2020	**23.4 T8**	<13.0	<13.0	**2,010**	**795**	**131**	**1,660,000**	NA	**649,000**	**4,790**	**0.447 T8**
AMW-15-VD	06/23/2016	NA	NA	NA	NA	**4,200**	**200 B**	NA	**303**	**303,000**	NA	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/27/2017	**31**	< 7.5	< 7.0	**24**	**11,800**	**350 B**	**8,910,000**	NA	**135,000 B**	**16,100**	**11.5**
	10/11/2017	**40**	< 7.5	< 7.0	**8**	**11,700**	**340 B**	**91,80,000 ^**	NA	**329,000**	**16,000**	**11.7**
	07/13/2018	**41**	< 7.5	< 7.0	**37**	**10,600**	**320 B**	**8,290,000**	NA	**3,57,000 B**	**19,200**	**10.6**
	10/17/2018	**37**	< 7.5	< 7.0	**27**	**10,700**	**310**	**8,770,000**	NA	**271,000**	**13,200**	**10.7**
	05/10/2019	**17**	<7.5 H	<7.0 H	**25 H**	**3,600**	**287**	**8,560,000**	NA	**432,000**	**18,000**	**3.6**
	09/13/2019	**49**	<7.5	<7.0	**22**	**7,650**	**192**	**5,240,000**	NA	**429,000**	**16,000**	**7.2**
	12/05/2019	**22**	< 4.0	< 3.0	**51**	**5,150**	**220**	**6,360,000**	NA	**478,000**	**17,000**	**5**
	02/11/2020	**11 B**	< 4.0	< 3.0	**38 B**	**2,850**	**157**	**4,770,000**	NA	**468,000**	**15,000**	**1.5**
	06/09/2020	<20.0 T8	<13.0	<13.0	**54.9**	**5,330**	**213**	**6,680,000**	NA	**517,000**	**18,000**	<0.100 T8
	08/19/2020	**29,500 T8**	<13.0	<13.0	**44.9**	**6,080**	**230**	**6,370,000**	NA	**509**	**17,000**	<0.1 T8
	11/04/2020	<20 T8	<13.0	<13.0	**63.3**	**4,530**	**280**	**8,440,000**	NA	**523,000**	**17,300**	<0.1 T8
AMW-3	01/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/21/2016	NA	NA	NA	NA	**16,200**	**1,400 B**	NA	**351**	**351,000**	NA	NA
AMW-7R	01/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/21/2016	NA	NA	NA	NA	**170**	**74 B**	NA	**2,900 B**	**1,99,000 B**	NA	NA
	07/11/2018	**82**	< 330	< 310	**3,500**	**20,000**	**2,500 B**	**199,000**	NA	**8,81,000 B**	**253**	**19.7**
	10/17/2018	**94 B**	< 330	< 310	**5,800**	**12,500**	**2,900 B**	**168,000**	NA	**997,000**	**192**	**12.5**
	05/10/2019	**94**	< 330 UH	< 310 UH	**3,100 H**	**8,080**	**2,770**	**105,000**	NA	**558,000**	**120 F1**	**8.1**
	09/14/2019	**110**	<170	<150	**3,600**	**6,840**	**2,770**	**95,700**	NA	**651,000**	**62**	**6**
	12/06/2019	**47**	**1.6 J**	< 3.0	**6,200**	**4,790**	**1,420**	**93,300**	NA	**462,000**	**80**	**4.7**
	02/12/2020	**52 B**	**2.4 J**	< 3.0	**5,500 B**	**24,900**	**2,730**	**86,900**	NA	**597,000**	**85**	**23.2**
	06/09/2020	**38.1 T8**	<13.0	<13.0	**9,370**	**16,000**	**2,270**	**93,200**	NA	**516,000**	**100**	**4.63 T8**
	08/19/2020	**46300 T8**	<13.0	<13.0	**3550**	**94900**	**3080**	**113,000**	NA	**656**	**86.6**	**83.6 T8**
	11/06/2020	**44.3 T8**	**4.44 J**	<13.0	**7,880**	**33,200**	**3,500**	**111,000**	NA	**723,000**	**78.2**	**17.2 T8**
ASB-2	06/06/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ASB-3	06/08/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ASB-4	06/07/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ASB-5	06/02/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ASB-7	06/02/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 48.

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Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
MW-18R	06/22/2016	NA	NA	NA	NA	**11,500 B**	**470 B**	NA	**20,000 B**	**5,15,000 B**	NA	NA
	07/11/2018	**2.2 J**	< 660	< 620	**3,800**	**1,400**	**17 B**	**161,000**	NA	**1,84,000 B**	**367**	**1.3**
	10/17/2018	**11 B**	< 660	< 620	**9,700**	**450**	**26 B**	**193,000**	NA	**365,000**	**259**	**0.45**
	09/14/2019	**32**	<660	<620	**13,000**	**11,700**	**110**	**310,000**	NA	**386,000**	**480**	**8.2**
	12/05/2019	**3 J**	**21**	**0.81 J**	**16,000**	**3,100**	**30.8**	**323,000**	NA	**225,000**	**400**	**2.8**
	02/12/2020	**3.9 J B**	< 4.0	< 3.0	**89**	**9,770**	**49.9**	**45,100**	NA	**24,400**	**77**	**9.6**
	06/09/2020	<20.0 T8	**8.80 J**	<13.0	**5,640**	**5,240**	**28.9**	**204,000**	NA	**101,000**	**269**	<0.100 T8
MW-23-D1R	10/26/2016	NA	NA	NA	NA	< 50	**21 B**	NA	**555**	**555,000**	NA	NA
	10/26/2016	NA	NA	NA	NA	**240 B**	**670 B**	NA	**525**	**525,000**	NA	NA
	01/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/20/2016	NA	NA	NA	NA	**660**	**690 B**	NA	**485**	**485,000**	NA	NA
	07/05/2017	**82**	< 150	< 140	**150**	**17,100**	**3,100**	**11,90,000 ^**	NA	**500,000**	**1,970**	**17.1**
	08/27/2017	**75**	< 83	< 77	**1,500**	**33,900**	**2200 B**	**11,90,000 ^**	NA	**5,12,000 B**	**2,190**	**31.9**
	10/12/2017	**55**	< 170	< 150	**1,300**	**3,800**	**1000 B**	**12,30,000 ^**	NA	**562,000**	**2,270**	**3.8**
	07/12/2018	**64**	< 330	< 310	**4,800**	**4,300**	**810 B**	**1,360,000**	NA	**4,95,000 B**	**2,250**	**4**
	10/17/2018	**63**	< 660	< 620	**3,600**	**1,900**	**930**	**1,220,000**	NA	**360,000**	**2,260**	**1.9**
	09/13/2019	**68**	<83	<77	**1,400**	**1,460**	**636**	**971,000**	NA	**467,000**	**2,000**	**1.1**
	12/05/2019	**660**	**8.2**	< 3.0	**2,100**	**2,020**	**852**	**389,000**	NA	**309,000**	**1,300**	**1.8**
	02/11/2020	**10 B**	**3.3 J**	< 3.0	**770 B**	**2,650**	**191**	**474,000**	NA	**173,000**	**730**	**2.5**
	06/10/2020	**29.6 T8**	**6.78 J**	<13.0	**1,560**	**1,430**	**511**	**1,240,000**	NA	**320,000**	**1,690**	<0.050 T8
	08/19/2020	**41,200 T8**	**6.95 J**	<13.1	**1,780**	**6,320**	**1,260**	**1,300,000**	NA	**543**	**2,340**	**1.44 T8**
	11/05/2020	**23.9 T8**	**7.51 J**	<13.0	**2,040**	**3,260**	**1,050**	**1,300,000**	NA	**401,000**	**2,030**	<0.1 T8
MW-23-D2R	01/12/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/20/2016	NA	NA	NA	NA	**40 J**	**110 B**	NA	**543**	**543,000**	NA	NA
	07/05/2017	**130**	< 38	< 35	**73**	**4,400**	**210**	**21,90,000 ^**	NA	**520,000**	**5,260**	**4.2**
	08/27/2017	**110**	< 83	< 77	**360**	**1,800**	**170 B**	**19,30,000 ^**	NA	**4,34,000 B**	**5,420**	**1.8**
	10/12/2017	**100**	< 170	< 150	**200**	**2,800**	**140 B**	**25,70,000 ^**	NA	**654,000**	**4,460**	**2.8**
	07/12/2018	**32**	< 170	< 150	**290**	**1,660**	**279**	**1,930,000**	NA	**587,000**	**3,800**	**1.4**
	05/09/2019	**32**	< 170	< 150	**290**	**1,660**	**279**	**1,930,000**	NA	**587,000**	**3,800**	**1.4**
	09/13/2019	**140**	< 170	< 150	**700**	**25,700**	**2,350**	**1,600,000**	NA	**415,000**	**2,500**	**21.6**
	12/05/2019	**69**	**2.9 J**	< 3.0	**1,500**	**26,100**	**2,120**	**1,410,000**	NA	**349,000**	**2,400**	**26.1**
	08/19/2020	**54,100 T8**	<13.0	<13.0	**1,190**	**46,200**	**290**	**2,340,000**	NA	**505**	**3,710**	**43.4 T8**
	11/05/2020	**32.6 T8**	<13.0	<13.0	**1,020**	**12,700**	**2,830**	**1,900,000**	NA	**398,000**	**3,730**	**6.28 T8**
MW-24-D1R	01/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/21/2016	NA	NA	NA	NA	**32 J**	**60 B**	NA	**550 J**	**6,42,000 B**	NA	NA
	10/26/2016	NA	NA	NA	NA	< 50	**49 B**	NA	**526**	**526,000**	NA	NA
	10/26/2016	NA	NA	NA	NA	**58 B**	**8.9 B**	NA	**324**	**324,000**	NA	NA
	10/26/2016	NA	NA	NA	NA	**24 J B**	**59 B**	NA	**577**	**577,000**	NA	NA
	07/12/2018	**67**	**130 J**	**1,100**	**5,900**	**10,100**	**120 B**	**2,140,000**	NA	**8,75,000 B**	**4,220**	**10.1**
	10/16/2018	**59**	< 660	**550 J**	**6,000**	**2,900**	**91**	**1,070,000**	NA	**583,000**	**2,370**	**2.9**
	05/09/2019	**98**	< 330	< 310	**1,600**	**4,120**	**79.6**	**1,720,000**	NA	**572,000**	**3,900**	**3.3**
	09/13/2019	**36 [51]**	**750 [730]**	**100 J [99 J]**	**7,300 [7,700]**	**2,140 [4,060]**	**32.1 [56.5]**	**13,20,000 [15,20,000]**	NA	**4,11,000 [5,88,000]**	**1,800 [3,000]**	**1.9 [3.5]**

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
	Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
MW-24-D1R (cont.)	12/05/2019	**30 [60]**	**320 [880]**	**88 [280]**	**2,400 [8,400]**	**1,540 [1,410]**	**40.6 [38.3]**	**13,40,000 [11,70,000]**	NA	**3,01,000 [5,14,000]**	**1,900 [2,000]**	**1.3 [1.3]**
	02/11/2020	**57 B [57 B]**	**520 [520]**	**110 [270]**	**4,500 B [5900]**	**196 [426]**	**13.1 J [15]**	**13,70,000 [15,40,000]**	NA	**3,78,000 [5,30,000]**	**2,300 [2,500]**	**0.2 [0.26]**
	06/09/2020	**47.8 T8 [38.3 T8]**	**419 [549]**	**230 [147]**	**5,930 [6,460]**	**1,290 [2,340]**	**22.6 [40.8]**	**15,50,000 [16,50,000]**	NA	**6,03,000 [6,05,000]**	**2,910 [3,200]**	**1.02 T8 [1.67 T8]**
	08/19/2020	**47,000 T8 [46,300 T8]**	**589 [566]**	**116 [111]**	**6,530 [6,280]**	**674 [819]**	**9.41 J [14.6]**	**14,40,000 [14,70,000]**	NA	**423 [485]**	**2,360 [2,390]**	**0.454 T8 [0.576 T8]**
	11/05/2020	**57.2 T8 [48.7 T8]**	**794 [609]**	**274 [219]**	**12,600 [9,970]**	**486 [631]**	**9.69 J [10.4]**	**1,430,000 [1,420,000]**	NA	**290,000 [287,000]**	**2,380 [2,310]**	**0.302 T8 [0.247 T8]**
MW-24-D2	01/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/21/2016	NA	NA	NA	NA	**40 J**	**55 B**	NA	**298,000 B**	**7,41,000 B**	NA	NA
	10/25/2016	NA	NA	NA	NA	**49 J**	**62**	NA	**512**	**512,000**	NA	NA
	10/25/2016	NA	NA	NA	NA	< 50	**56**	NA	**759**	**759,000**	NA	NA
	07/05/2017	**130**	< 150	< 140	**130**	**1,800**	**88**	**25,20,000 ^**	NA	**667,000**	**4,060**	**1.8**
	08/27/2017	**110**	< 170	< 150	**980**	**6,600**	**160 B**	**2,260,000**	NA	**7,74,000 B**	**4,100**	**6.6**
	10/11/2017	**54**	< 170	< 150	**410**	**5,500**	**140 B**	**23,80,000 ^**	NA	**804,000**	**3,720**	**5.5**
	07/12/2018	**15**	< 7.5	< 7.0	**44**	**1,100**	**33 B**	**94,900**	NA	**1,14,000 B**	**182**	**1.1**
	10/17/2018	**5.7**	< 170	< 150	**370**	**610**	**32**	**1,08,000 ^**	NA	**102,000**	**201**	**0.61**
	05/09/2019	**5.0**	< 7.5	< 7.0	< 4.0	**391**	**7.7 J**	**100,000**	NA	**112,000**	**89**	**0.39**
	09/13/2019	**15.0**	< 7.5	< 7.0	< 4.0	**2,160**	**35.6**	**81,400**	NA	**108,000**	**49**	**2**
	12/05/2019	**26**	**1.5 J**	**0.57 J**	**270**	**2,090**	**58.7**	**366,000**	NA	**190,000**	**550**	**1.9**
	02/11/2020	**8 B**	**2.7 J**	< 3.0	**210 B**	**1,450**	**22.2**	**349,000**	NA	**482,000**	**340**	**1.2**
	06/09/2020	<20.0 T8	**25.3**	<13.0	**2,180**	**380**	**24.8**	**471,000**	NA	**267,000**	**805**	<0.050 T8
	08/18/2020	<20,000 T8	**13.7**	<13.0	**1,200**	**436**	**32.8**	**518,000**	NA	**235**	**728**	<0.05 T8
	11/05/2020	<20 J T8	**57.4**	<13.0	**5,720**	**491**	**36.4**	**819,000**	NA	**241,000**	**724**	<0.05 T8
MW-24-VDR	07/12/2018	**89**	**2.1 J**	**2.3 J**	**160**	**37900**	**910 B**	**8,960,000**	NA	**4,54,000 B**	**16,000**	**37.8**
	10/17/2018	**79**	< 7.5	< 7.0	**120**	**26,100**	**740**	**8,730,000**	NA	**416,000**	**13,100**	**26.1**
	05/09/2019	**92**	< 83	< 77	**13 J**	**25,200**	**597**	**6,100,000**	NA	**461,000**	**16,000**	**25.2**
	09/13/2019	**92**	<7.5	<7.0	**26**	**8,910**	**235**	**2,520,000**	NA	**295,000**	**7,300**	**8.2**
	12/05/2019	**3.8 J**	< 4.0	**1.7 J**	**28**	**36,500**	**694**	**9,030,000**	NA	**446,000**	**17,000**	**36.5**
	02/11/2020	**85 B**	< 4.0	<3.0	**40 B**	**31,500**	**523**	**7,000,000**	NA	**474,000**	**15,000**	**29.5**
	06/09/2020	**57.7 T8**	<13.0	<13.0	**77.0**	**37,100**	**454**	**7,320,000**	NA	**337,000**	**13,700**	<0.100 T8
	08/18/2020	**75,500 T8**	<13.0	<13.0	**55.8**	**44,900**	**578**	**8,910,000**	NA	**332**	**12,800**	**12.8 T8**
	11/05/2020	**28.5 T8**	<13.0	<13.0	**68.1**	**45,100**	**588**	**8,850,000**	NA	**388,000**	**15,800**	**2.71 T8**
MW-26-D1	01/12/2016	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	**< 50**	**35 B**	NA	**569,000 B**	**5,69,000 B**	NA	NA
	10/25/2016	NA	NA	NA	NA	**< 50**	**25**	NA	**479**	**479,000**	NA	NA
	10/25/2016	NA	NA	NA	NA	**< 50**	**37**	NA	**591**	**591,000**	NA	NA
	07/05/2017	**120**	< 150	< 140	**250**	**230**	**41**	**15,70,000 ^**	NA	**542,000**	**2,520**	**0.23**
	08/27/2017	**95**	< 170	< 150	**1,200**	**640**	**48 B**	**1,500,000**	NA	**5,32,000 B**	**2,530**	**0.64**
	10/11/2017	**10**	< 7.5	< 7.0	**10**	**190**	**75 B**	**304,000**	NA	**177,000**	**483**	**0.19**
	07/13/2018	**110**	< 330	< 310	**2,900**	**320**	**35 B**	**1,640,000**	NA	**558,000**	**2,810**	**0.32**
	10/17/2018	**65 B**	< 170	< 150	**1,800**	**280**	**24 B**	**1,510,000**	NA	**416,000**	**2,540**	**0.28**
	09/13/2019	**79**	< 170	< 150	**4,100**	**93.9 J**	**19.2**	**1,400,000**	NA	**542,000**	**3,000**	<0.10
	12/06/2019	**64**	5.3	21	**2,400**	**364**	**18**	**1,260,000**	NA	**405,000**	**2,000**	**0.25**

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
	Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
MW-26-D1 (cont.)	02/11/2020	**45 H B**	4.9	21	**1,900 B**	**1,080**	**25.6**	**1,440,000**	NA	**405,000**	**2,100**	**0.51**
	06/10/2020	**72.0 T8**	**15.0**	**65.8**	**3,260**	**553**	**21.4**	**1,300,000**	NA	**438,000**	**2,400**	<0.050 T8
	08/19/2020	**34,800 T8**	**7.93 J**	**23.2**	**2,030**	**1,340**	**31.4**	**1,370,000**	NA	**500**	**2,360**	**1.01 T8**
	11/06/2020	**58.2 T8**	**12.7 J**	**39.2**	**2,820**	**554**	**21.4**	**1,360,000**	NA	**387,000**	**2,340**	**0.326 T8**
MW-26-D2	01/12/2016	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	**490 B**	**700 B**	NA	**344**	**344,000**	NA	NA
	10/25/2016	NA	NA	NA	NA	**55**	**63**	NA	NA	NA	NA	NA
	10/25/2016	NA	NA	NA	NA	**< 50**	**140**	NA	**653**	**653,000**	NA	NA
	07/05/2017	**130**	< 7.5	< 7.0	**76**	**970**	**420**	**39,30,000 ^**	NA	**348,000**	**9,010**	**0.97**
	08/27/2017	**110**	< 83	< 77	**92**	**970**	**310 B**	**3,370,000**	NA	**379,000**	**7,980**	**0.97**
	10/11/2017	**55**	< 170	< 150	**670**	**1,100**	**160 B**	**2,770,000**	NA	**435,000**	**8,600**	**1.1**
	10/17/2018	**110 B**	< 170	< 150	**1,100**	**150**	**52 B**	**2,190,000**	NA	**509,000**	**3,820**	**0.15**
	05/09/2019	**130**	< 660	< 620	**750**	**466**	**75.2**	**2,420,000**		**684,000**	**5,000**	**0.47**
	09/13/2019	**150**	<83	<77	**1,000**	**207**	**65.6**	**2,270,000**	NA	**702,000**	**4,000**	**0.21**
	12/06/2019	**140**	**1.1 J**	< 3.0	**1,300**	**54.4 J**	**59.8**	**2,340,000**	NA	**628,000**	**4,000**	< 0.1
	02/11/2020	**83 B**	**0.8 J**	< 3.0	**710 B**	**348**	**88.8**	**2,500,000**	NA	**588,000**	**3,900**	**0.35**
	06/10/2020	**57.8 T8**	<13.0	<13.0	**1,340**	**84.3 J**	**68.3**	**2,190,000**	NA	**671,000**	**4,390**	<0.050 T8
	08/19/2020	**47,900 T8**	<13.0	<13.0	**360**	**402**	**99.5**	**2,280,000**	NA	**638**	**4,160**	**0.242 T8**
MW-26-VD	01/13/2016	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	**74,000 B**	**2,600 B**	NA	**61 B**	**1,76,000 B**	NA	NA
MW-27-D1R	01/13/2016	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	NA	NA
	06/21/2016	NA	NA	NA	NA	**430**	**200 B**	NA	**51,600**	**7,95,000 B**	NA	NA
	07/05/2017	**26**	< 380	< 350	**550**	**2,800**	**56**	**11,30,000 ^**	NA	**3,94,000 B**	**2,860**	**2.8**
	08/27/2017	**100**	< 170	< 150	**1,100**	**1,300**	**330 B**	**960,000**	NA	**884,000**	**5,640**	**1.3**
	07/13/2018	**140**	< 660	< 620	**3,700**	**8,200**	**170 B**	**1,690,000**	NA	**5,26,000 B**	**2,770**	**8**
	10/18/2018	**150 B**	< 170	< 150	**3,900**	**2,100**	**61 B**	**1,770,000**	NA	**725,000**	**3,890**	**2**
	05/10/2019	**97**	< 83	< 77	**1,600**	**51,600**	**456**	**1,900,000**	NA	**579,000**	**3,500**	**50.7**
	09/14/2019	**170**	<330	<310	**1,600**	**12,800**	**161**	**2,090,000**	NA	**724,000**	**3,400**	**12.4**
	12/05/2019	**170**	**5.5**	**40**	**2,600**	**1,310**	**51.9**	**1,920,000**	NA	**762,000**	**3,800**	**1.3**
	08/19/2020	**55,300 T8**	<13.0	**19.9**	**1,530**	**10,600**	**156**	**2,710,000**	NA	**945**	**5,060**	**0.178 T8**
	11/06/2020	**83.4 T8**	<13.0	**27.8**	**2,010**	**10,900**	**176**	**2,140,000**	NA	**652,000**	**3,870**	**10.4 T8**
MW-27-D2	01/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/21/2016	NA	NA	NA	NA	**1,300**	**38 B**	NA	**940 B**	**2,79,000 B**	NA	NA
	07/05/2017	**130**	< 75	< 70	**53**	**12,400**	**550**	**26,90,000 ^**	NA	**4,08,000 B**	**6,330**	**12.4**
	08/27/2017	**100**	< 83	< 77	**180**	**11,600**	**1,200 B**	**31,40,000 ^**	NA	**303,000**	**9,140**	**11.6**
	10/12/2017	**81**	< 170	< 150	**350**	**9,500**	**1,700 B**	**44,60,000 ^**	NA	**374,000**	**8,290**	**9.1**
	07/13/2018	**140**	< 330	< 310	**1,500**	**4,600**	**340 B**	**2,530,000**	NA	**3,63,000 B**	**7,510**	**4.6**
	10/18/2018	**130 B**	< 170	< 150	**1,200**	**2,800**	**940 B**	**3,580,000**	NA	**195,000**	**8,300**	**2.8**
	05/10/2019	**66**	< 170	< 150	**310**	**902**	**197**	**505,000**	**NA**	**599,000**	**4,100**	**0.14**
	09/14/2019	**150**	< 170	< 150	**1,200**	**4,080**	**272**	**1,120,000**	NA	**638,000**	**3,500**	**3.5**
	12/05/2019	**150**	< 4.0	< 3.0	**1,600**	**1,190**	**174**	**1,620,000**	NA	**526,000**	**3,600**	**1.1**
	02/12/2020	**110 B**	< 4.0	< 3.0	**910 B**	**1,920**	**230**	**1,940,000**	NA	**511,000**	**3,800**	**1.4**

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
MW-27-D2 (cont.)	06/10/2020	98.7 T8	<13.0	<13.0	1,100	887	97.6	1,880,000	NA	496,000	4,660	<0.100 T8
	08/19/2020	75,400 T8	<13.0	<13.0	876	747	199	2,470,000	NA	397	3,690	<0.05 T8
	11/06/2020	60.9 T8	<13.0	<13.0	408	1,360	996	3,260,000	NA	323,000	7,520	<0.1 T8
MW-28-D1	06/24/2016	NA	NA	NA	NA	79	68 B	NA	667,000	7,45,000 B	NA	NA
	07/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/05/2017	51	< 150	< 140	290	3,600	67	418,000 ^	NA	457,000	3,120	3.6
	08/27/2017	15	< 170	< 150	1,000	740	19 B	10,40,000 ^	NA	393,000	3,310	0.74
	10/11/2017	3.8 J	< 170	< 150	520	950	27 B	998,000	NA	196,000	1,530	0.95
	10/17/2018	8.9 B	< 330	< 310	1,500	980	22 B	386,000	NA	102,000	945	0.98
	05/09/2019	120	< 660	< 620	1,300	2,480	89	1,940,000	NA	667,000	3,300	1.9
	09/13/2019	160	<170	<150	1,600	511	63.1	1,970,000	NA	735,000	2,900	<0.10
	12/05/2019	75	33	15	2,500	169	10.4 J	874,000	NA	337,000	1,800	<0.10
	02/11/2020	73 B	25	11	1,800 B	253	49.4	1,160,000	NA	495,000	1,900	<0.10
	06/09/2020	26.5 T8	12.2 J	<13.0	1,140	226	47.8	1,360,000	NA	472,000	2,570	<0.050 T8
	08/19/2020	23,000 T8	<13.0	<13.0	361	167	57.7	1,410,000	NA	496	2,490	0.0216 JT8
	11/06/2020	73.8 T8	46.5	<13.0	4,740	54.8 J	51.3	1,540,000	NA	548,000	3,110	<0.05 T8
MW-28-D2R	06/24/2016	NA	NA	NA	NA	52,800	1,100 B	NA	182	182,000	NA	NA
	07/28/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/05/2017	120	< 7.5	< 7.0	67	6,800	340	38,10,000 ^	NA	334,000	9,090	6.7
	08/27/2017	120	< 83	< 77	62	6,000	500 B	5,340,000	NA	3,37,000 B	11,300 B	5.6
	10/11/2017	91	< 170	< 150	370	9,300	470 F1 B	4,750,000	NA	412,000	6,670	9.1
	07/13/2018	91	< 330	< 310	880	5,200	190 B	3,000,000	NA	4,68,000 B	4,010	5.2
	10/17/2018	140 B	< 170	< 150	240	2,200	710 B	4,670,000	NA	333,000	9,820	2.2
	05/09/2019	42	< 330	< 310	730	569	224	2,850,000	NA	385,000	7,600	0.37
	09/13/2019	160	<7.5	<7.0	620	450	241	2,700,000	NA	428,000	4,600	0.25
	12/06/2019	160	< 4.0	<3.0	310	463	989	4,430,000	NA	349,000	7,400	0.3
	02/11/2020	100 B	< 4.0	< 3.0	1,000 B	252	184	1,620,000	NA	276,000	3,600	0.25
	06/09/2020	90.0 T8	<13.0	<13.0	239	5,050	1,730	4,130,000	NA	339,000	18,800	<0.100 T8
	08/19/2020	90,300 T8	<13.0	<13.0	212	48,300	855	5,750,000	NA	343	9,550	43.8 T8
	11/06/2020	85.8 T8	<13.0	<13.0	618	5,890	370	2,760,000	NA	395,000	6,460	<0.1 T8
MW-29-D1	01/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/21/2016	NA	NA	NA	NA	520	270 B	NA	4.3 J	5,67,000 B	NA	NA
	10/26/2016	NA	NA	NA	NA	220 B	250 B	NA	540	540,000	NA	NA
	10/26/2016	NA	NA	NA	NA	< 50	5.2 B	NA	547	547,000	NA	NA
	07/05/2017	180	< 300	< 280	680	460	350	9,51,000 ^	NA	556,000	1,610	0
	08/27/2017	150	< 660	< 620	11,000	2,400	150 B	24,70,000 ^	NA	5,60,000 B	1,580	2.4
	10/12/2017	140	< 170	< 150	5,200	3,400	300 B	8,93,000 ^	NA	619,000	1,530	3.4
	07/13/2018	180	< 660	< 620	15,000	1,300	340 B	988,000	NA	5,63,000 B	1,680	1.3
	10/18/2018	210 B	< 1700	< 1500	19,000	1,500	270 B	960,000	NA	535,000	1,550	1.5
	05/10/2019	190	< 83	< 77	9,300 E	1,450	470	839,000	NA	469,000	1,700	1.4
	09/14/2019	40	<170	<150	3,200	4,370	58.4	23,500	NA	40,100	58	4.3
	12/06/2019	28	1 J	< 3.0	1,100	673	32.1	75,900	NA	63,500	130	0.67

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	GC Volatiles - RSK-175				Inorganics			General Chemistry			
		Carbon Dioxide	Ethane	Ethene	Methane	Iron	Manganese	Sodium	Alkalinity, Bicarbonate as CaCO3	Alkalinity, Total as CaCO3	Chloride	Ferric Iron
NYSDEC TOGS 1.1.1		NE	NE	NE	NE	300	300	20,000	NE	NE	250	NE
Units		mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	mg/L
MW-29-D1 (cont.)	02/12/2020	**15 B**	< 4.0	< 3.0	**340 B**	**2,040**	**131**	**105,000**	NA	**62,700**	**160**	**1.8**
	06/10/2020	**53.4 T8**	**5.33 J**	<13.0	**10,700**	**741**	**161**	**643,000**	NA	**273,000**	**1,050**	**0.379 T8**
	08/19/2020	**39,600 T8**	<13.0	<13.0	**6,710**	**1,360**	**172**	**574,000**	NA	**256**	**950**	**1.13 T8**
	11/06/2020	**31.7 T8**	**10.6 J**	<13.0	**10,700**	**199**	**146**	**460,000**	NA	**208,000**	**795**	<0.05 T8
MW-29-D2	01/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/21/2016	NA	NA	NA	NA	**64**	**150 B**	NA	**430 B**	**4,53,000 B**	NA	NA
MW-29-VD	01/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/21/2016	NA	NA	NA	NA	**390**	**62 B**	NA	**229 B**	**2,29,000 B**	NA	NA
MW-30-D1	01/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	**360 B**	**93 B**	NA	**841 B**	**8,41,000 B**	NA	NA
MW-30-D2	01/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	< 50	**110 B**	NA	**755 B**	**7,55,000 B**	NA	NA
MW-30-VD	01/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	**4,900 B**	**260 B**	NA	**713 B**	**7,13,000 B**	NA	NA
MW-31-D1R	01/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	**230 B**	**25 B**	NA	**221 B**	**2,21,000 B**	NA	NA
MW-31-D2R	01/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	**2,200 B**	**430 B**	NA	**508 B**	**5,08,000 B**	NA	NA

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-12	01/14/2016	NA	NA	NA	NA	NA	NA	NA
AMW-13-D1	06/24/2016	NA	NA	NA	NA	**170,000**	**11,900**	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA
AMW-13-D2	06/23/2016	NA	NA	NA	NA	**250,000**	**2,600**	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA
AMW-13-VD	06/23/2016	NA	NA	NA	NA	**1,860,000**	< 100	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA
AMW-14-D1	06/24/2016	NA	NA	NA	NA	**103,000**	**48,000**	NA
	07/26/2016	NA	NA	NA	NA	NA	NA	NA
	07/05/2017	**170 HF**	< 50	< 0.050	NA	**140,000**	**38,000**	**13,100 B**
	08/27/2017	< 100	< 50	< 0.050	NA	**251,000**	**56,400**	**10,600 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**1,24,000 B**	**50,400**	**23,600 B**
	07/12/2018	**120 HF**	< 50	< 0.050	NA	**172,000**	**50,800**	NA
	10/17/2018	**260 HF**	< 50	< 0.050	NA	**1,98,000 B**	**48,400**	NA
	05/10/2019	< 100 HF	**80 J**	<0.10	NA	**98,000**	**52,700**	**45,400 B**
	09/13/2019	**570 HF**	**14 J B**	<0.10	NA	**240,000**	**64,600**	**22,100**
	12/05/2019	< 100 HF	<100	<0.10	NA	**130,000**	**62,600**	**21,100**
	02/12/2020	**150 HF**	**17 J H**	< 0.1	NA	**280,000**	**64,700**	**18,400**
	06/10/2020	**1,470 T8**	**--**	**--**	<1,000	**219,000**	<50.0	**19,200**
	08/19/2020	**1,500 T8**	NA	NA	<2,000	**131,000**	**4.16**	**26,900**
	11/04/2020	**418 T8**	NA	NA	<100	**127,000**	**458**	**39,000**
AMW-14-D2	06/23/2016	NA	NA	NA	NA	**263,000**	**22,500**	NA
	07/26/2016	NA	NA	NA	NA	**NA**	NA	NA
	07/27/2016	NA	NA	NA	NA	**NA**	NA	NA
	08/27/2017	< 100	< 50	< 0.050	NA	**507,000**	**4,200**	**7,800 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**2,10,000 B**	**27,200**	**11,600 B**
	07/12/2018	< 100	< 50	< 0.050	NA	**315,000**	**56,000**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**3,27,000 B**	**58,800**	NA
	05/10/2019	**1,100 HF**	**49 J**	<0.10	NA	**84,000**	**71,600**	**18,500 B**
	09/13/2019	**550 HF**	<100	**0.0092 J B**	NA	**120,000**	**60,800**	**19,200**
	12/05/2019	**290 HF**	<100	<0.10	NA	**260,000**	**51,200**	**18,300**
	02/12/2020	**850 HF**	< 100	<0.1	NA	**310,000**	**59,700**	**16,700**
	06/10/2020	**2,360 T8**	NA	NA	<1,000	**270,000**	<50.0	**14,500**
	08/19/2020	**847 T8**	NA	NA	<2,000	**182,000**	**1.01**	**16,200**
	11/05/2020	**322 T8**	NA	NA	<100	**176,000**	**8,060**	**16,800**
AMW-14-VD	06/23/2016	NA	NA	NA	NA	**1,780,000**	< 100	NA
	07/27/2016	NA	NA	NA	NA	**NA**	NA	NA
	07/05/2017	< 100	< 50	< 0.050	NA	**1,830,000**	**800 J**	**3,400 B**
	08/27/2017	**4,700 HF**	< 50	< 0.050	NA	**2,000,000**	< 1,000	**4,000 B**
	10/11/2017	**1,600 HF**	< 50	< 0.050	NA	**1,890,000**	**800 J**	**4,500 B**
	07/12/2018	< 100	< 50	< 0.050	NA	**1,870,000**	**5,200 F1**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**19,20,000 B**	< 1,000	NA

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-14-VD (cont.)	05/10/2019	**300 HF**	**94 J**	**0.076 J**	NA	**2,000,000**	<1,000	**18,300 B**
	09/13/2019	**1,400 HF**	**35 J B**	**0.027 J B**	NA	**1,700,000**	**830 J**	**8,500**
	12/05/2019	**130 HF**	< 100	**0.020 J B**	NA	**2,800,000**	**1,200**	**9,300**
	02/12/2020	**680 HF**	**21 J B**	**0.019 J B**	NA	**2,000,000**	< 1.0	**7,900**
	06/10/2020	**17,800 T8**	NA	NA	<100	**1,920,000**	<50.0	**7,270**
	08/20/2020	**14,900 T8**	NA	NA	<100	**1,850,000**	<0.05	**8,160**
	11/05/2020	**18,000 T8**	NA	NA	<100	**2,250,000**	**117**	**7,270**
AMW-15-D1	06/23/2016	NA	NA	NA	NA	**166,000**	**20,500**	NA
	07/27/2016	NA	NA	NA	NA	**NA**	NA	NA
	10/26/2016	NA	NA	NA	NA	**63,100**	**8,000**	NA
	10/26/2016	NA	NA	NA	NA	**164,000**	**36,000**	NA
	07/05/2017	< 100	< 50	< 0.050	NA	**1,640,000**	**42,000**	**9,400 B**
	08/27/2017	< 500	< 50	< 0.050	NA	**156,000**	**53,200**	**53,400 B**
	10/11/2017	< 200	< 50	< 0.050	NA	**1,89,000 B**	**41,600**	**36,200 B**
	10/17/2018	**120 HF**	**79**	< 0.050	NA	**188,000**	**56,000**	NA
	05/09/2019	<100 HF	**430 J**	**0.38 J**	NA	**200,000**	**41,400**	**36,800 B**
	09/13/2019	**2,200 HF**	< 100	**0.029 J**	NA	**380,000**	**31,100**	**38,500**
	12/05/2019	**340 HF**	< 100	<0.10	NA	**180,000**	**30,700**	**40,800**
	02/11/2020	**1,400 HF**	**17 J H**	**0.017 J H**	NA	**380,000**	**11,500**	**26,300**
	06/10/2020	**662 T8**	NA	NA	<1,000	**331,000**	**51.0**	**31,800**
	08/19/2020	**481 T8**	NA	NA	<10000	**202,000**	**25.6**	**40,600**
	11/04/2020	**658 T8**	NA	NA	<100	**138,000**	**514**	**32,100**
AMW-15-D2	06/23/2016	NA	NA	NA	NA	**166,000**	**1,800**	NA
	06/23/2016	NA	NA	NA	NA	**165,000**	**1,900 F1**	NA
	07/27/2016	NA	NA	NA	NA	**NA**	NA	NA
	10/26/2016	NA	NA	NA	NA	**243,000**	**12,800**	NA
	10/26/2016	NA	NA	NA	NA	**216,000**	**36,000**	NA
	07/05/2017	**170 HF**	< 50	< 0.050	NA	**269,000**	**34,000**	**10,300 B**
	08/27/2017	< 100	< 50	< 0.050	NA	**237,000**	**58,000**	**10,900 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**2,54,000 B**	**45,200**	**9,800 B**
	10/17/2018	< 100	< 50	< 0.050	NA	**2,62,000 B**	**48,000**	NA
	05/10/2019	**85 J HF**	**47 J**	**0.0070 J**	NA	**220,000**	**50,800**	**14,200 B**
	09/13/2019	**140 HF**	< 100	<0.10	NA	**330,000**	**55,100**	**14,800**
	12/05/2019	**280 HF**	< 100	<0.10	NA	**280,000**	**58,800**	**15,800**
	02/11/2020	**190 HF**	< 100	<0.10	NA	**380,000**	**54,600**	**13,700**
	06/09/2020	**1,460 T8**	NA	NA	<1,000	**301,000**	**186**	**12,000**
	08/19/2020	**5,440 T8**	NA	NA	<2000	**166,000**	**0.214**	**12,300**
	11/04/2020	**673 T8**	NA	NA	<100	**263,000**	**58**	**13,300**
AMW-15-D3	06/23/2016	NA	NA	NA	NA	**1,790,000**	NA	NA
	06/23/2016	NA	NA	NA	NA	**784,000**	NA	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA
	08/27/2017	< 500	< 50	< 0.050	NA	**495,000**	**16,400**	**34,300 B**

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
AMW-15-D3 (cont.)	10/11/2017	< 100	< 50	< 0.050	NA	**897,000 B**	**39,200**	**7,200 B**
	07/13/2018	< 100	< 50	< 0.050	NA	**482,000**	**22,800**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**916,000**	**35,600**	NA
	05/10/2019	< 100	**42 J**	**0.056 J**	NA	**980,000**	**41,400**	**14,400 B**
	09/13/2019	**210 HF**	< 100	<0.10	NA	**300,000**	**55,100**	**11,000**
	12/05/2019	< 100	< 100	<0.10	NA	**470,000**	**58,800**	**12,300**
	02/11/2020	**470 HF**	< 500 H	< 0.5 H	NA	**290,000**	**23,200**	**13,700**
	06/09/2020	**526 T8**	NA	NA	<1,000	**534,000**	<50.0	**13,700**
	08/19/2020	**229 T8**	NA	NA	<500	**919,000**	**6.8**	**20,100**
	11/04/2020	**348 T8**	NA	NA	<100	**337,000**	**1,050**	**13,500**
AMW-15-VD	06/23/2016	NA	NA	NA	NA	**1,810,000**	< 100	NA
	07/27/2016	NA	NA	NA	NA	NA	NA	NA
	08/27/2017	**280 HF**	< 50	< 0.050	NA	**2,140,000**	< 1,000	**3,500 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**20,70,000 B**	< 1,000	**3,400 B**
	07/13/2018	< 100	< 50	< 0.050	NA	**1,890,000**	**800 J**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**15,30,000 B**	< 1,000	NA
	05/10/2019	< 100*	< 100	**0.035 J**	NA	**2,000,000**	<1000	**6,800 B**
	09/13/2019	**500 HF**	< 100	**0.011 J**	NA	**1,800,000**	<1,000	**6,900**
	12/05/2019	**130 HF**	< 100 U F1	**0.019 JB**	NA	**2,800,000**	<1,000	**7,700**
	02/11/2020	**370 HF**	< 500 H	< 0.5 H	NA	**2,000,000**	< 1.0	**6,500**
	06/09/2020	**6,390 T8**	NA	NA	<100	**1,990,000**	<50.0	**6,450 B**
	08/19/2020	**52,800 T8**	NA	NA	<500	**1,970,000**	<0.05	**7,560**
	11/04/2020	**4,880 T8**	NA	NA	<100	**2,270,000**	**144**	**8,040 B**
AMW-3	01/13/2016	NA	NA	NA	NA	NA	NA	NA
	06/21/2016	NA	NA	NA	NA	**970,000**	**5,300**	NA
AMW-7R	01/12/2016	NA	NA	NA	NA	NA	NA	NA
	06/21/2016	NA	NA	NA	NA	**82,300**	**5,200**	NA
	07/11/2018	**320 HF**	< 50	< 0.050	NA	**41,900**	**3,800**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**22,600 B**	**1,600**	NA
	05/10/2019	< 100 HF	< 100	**0.023 J**	NA	**82,000 F1**	<1000	**19,800**
	09/14/2019	**840 HF**	<100	**0.015 J B**	NA	**49,000**	**1,200**	**20,800**
	12/06/2019	**100 HF**	**25 J B**	**0.017 J**	NA	**84,000**	**1,900**	**88,400**
	02/12/2020	**1700 HF**	**23 J B**	**0.02 J B**	NA	**75,000**	**10,400**	**19,800**
	06/09/2020	**11,300 T8**	NA	NA	<100	**68,600**	<50.0	**20,500**
	08/19/2020	**11200 T8**	NA	NA	<500	**96,200**	**0.062**	**28,900**
	11/06/2020	**16,000 T8**	NA	NA	<100	**37,600**	<50	**23,500**
ASB-2	06/06/2016	NA	NA	NA	NA	NA	NA	NA
ASB-3	06/08/2016	NA	NA	NA	NA	NA	NA	NA
ASB-4	06/07/2016	NA	NA	NA	NA	NA	NA	NA
ASB-5	06/02/2016	NA	NA	NA	NA	NA	NA	NA
ASB-7	06/02/2016	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-18R	06/22/2016	NA	NA	NA	NA	**27,800**	< 100	NA
	07/11/2018	**110 HF**	< 50	< 0.050	NA	**120,000**	**12,200**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**20,000 B**	**11,600**	NA
	09/14/2019	**3,500 HF**	<100	**0.024 J B**	NA	**86,000**	**14,800**	95,400
	12/05/2019	**0.28 HF**	**30 JB**	**0.029 J**	NA	**74,000**	**15,900**	**123,000**
	02/12/2020	**150 H F**	**160 B**	**0.053 J B**	NA	**14,000**	**910 J**	**55,000**
	06/09/2020	**5,360 T8**	NA	NA	<1,000	**87,100**	**70.0**	**57,700**
MW-23-D1R	10/26/2016	NA	NA	NA	NA	**148,000**	**6,400**	NA
	10/26/2016	NA	NA	NA	NA	**156,000**	**13,600**	NA
	01/12/2016	NA	NA	NA	NA	**NA**	NA	NA
	06/20/2016	NA	NA	NA	NA	**180,000**	**16,900 F1**	NA
	07/05/2017	< 100	< 50	< 0.050	NA	**259,000**	**8,400**	**16,100 B**
	08/27/2017	**2,000 HF**	**23 J H**	< 0.050	NA	**173,000**	**15,400**	**17,300 B**
	10/12/2017	< 100	< 50	< 0.050	NA	**1,78,000 B**	**26,800**	**15,400 B**
	07/12/2018	**260 HF**	< 50	< 0.050	NA	**149,000**	**28,800**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**177,000**	**25,200**	NA
	09/13/2019	**330 HF**	**26 J B**	**0.017 J B**	NA	**190,000**	**10,300**	20,800
	12/05/2019	**260 HF**	**37 JB**	**0.018 J**	NA	**130,000**	**3,500**	**22,300**
	02/11/2020	**120 HF**	**99 J H**	**0.018 J H**	NA	**130,000**	**8,800**	**7,500**
	06/10/2020	**1,460 T8**	NA	NA	<1,000	**213,000**	**39.0 J**	**18,200**
	08/19/2020	**4,880 T8**	NA	NA	<2,000	**111,000**	<0.05	**21,600**
	11/05/2020	**3,600 T8**	NA	NA	405	**121,000**	<50	**20,200**
MW-23-D2R	01/12/2016	NA	NA	NA	NA	**NA**	NA	NA
	06/20/2016	NA	NA	NA	NA	**317,000**	**700**	NA
	07/05/2017	**170 HF**	< 50	< 0.050	NA	**861,000**	**29,600**	**5,200 B**
	08/27/2017	< 100	**37 J H**	< 0.050	NA	**665,000**	**36,200**	**6,100 B**
	10/12/2017	< 100	< 50	< 0.050	NA	**4,78,000 B**	**20,000**	**9,700 B**
	07/12/2018	**240 HF**	**38 J**	**0.0045 J**	NA	**290,000**	**10,900**	**20,700 B**
	05/09/2019	**240 HF**	**38 J**	**0.0045 J**	NA	**290,000**	**10,900**	**20,700 B**
	09/13/2019	**4,100 HF**	**17 J B**	**0.025 J B**	NA	**160,000**	**34,100**	**17,100**
	12/05/2019	< 100	**69 JB**	**0.051 J**	NA	**160,000**	**3,800**	**18,900**
	08/19/2020	**2,780 T8**	NA	NA	<500	**229,000**	**0.092**	**12,700**
	11/05/2020	**6,430 T8**	NA	NA	<100	**202,000**	<50	**11,700**
MW-24-D1R	01/13/2016	NA	NA	NA	NA	**NA**	NA	NA
	06/21/2016	NA	NA	NA	NA	**189,000**	**79,300**	NA
	10/26/2016	NA	NA	NA	NA	**217,000**	**64,000 F1**	NA
	10/26/2016	NA	NA	NA	NA	**248,000**	**60,000**	NA
	10/26/2016	NA	NA	NA	NA	**219,000**	**56,000**	NA
	07/12/2018	< 100	< 50	< 0.050	NA	**200,000**	**66,400**	NA
	10/16/2018	< 100	< 50	< 0.050	NA	**75,300**	**56,400**	NA
	05/09/2019	**860 HF**	**63 J**	**0.014 J**	NA	**250,000**	**41,400**	**15,400 B**
	09/13/2019	**230 HF**	<100 [<100]	**0.015 J [<0.10]**	NA	**3,20,000 [2,00,000]**	**29,200 [75,900]**	**36,100 [34,900]**

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-24-D1R (cont.)	12/05/2019	**290 HF**	**150 B** [< 100]	**0.17 B**	NA	**3,50,000 [1,30,000]**	**22,400 [92,800]**	**50,900 [25,900]**
	02/11/2020	< 100 **[170 H F]**	**16 J H [< 50]**	< 0.1 [< 0.5]	NA	**3,80,000 [3,40,000]**	**43,300 [66,900]**	**35,500 [29,600]**
	06/09/2020	**270 T8 [669 T8]**	NA	NA	<1,000 [<1,000]	**2,16,000 [2,73,000]**	**129** [<50.0]	**31,100 [21,600]**
	08/19/2020	**220 T8 [243 T8]**	NA	NA	<10,000 [<2,000]	**2,04,000 [1,61,000]**	**0.58 [1.53]**	**36,000 [29,600]**
	11/05/2020	**184 T8 [384 T8]**	NA	NA	<100 [<100]	**189,000 [248,000]**	**160 [<50]**	**36,700 [35,000]**
MW-24-D2	01/13/2016	NA	NA	NA	NA	**NA**	NA	NA
	01/13/2016	NA	NA	NA	NA	**NA**	NA	NA
	06/21/2016	NA	NA	NA	NA	**270,000**	**92,200**	NA
	10/25/2016	NA	NA	NA	NA	**374,000**	**48,000**	NA
	10/25/2016	NA	NA	NA	NA	**270,000**	**64,000**	NA
	07/05/2017	< 100	< 50	< 0.050	NA	**541,000**	**84,000**	**12,500 B**
	08/27/2017	< 100	< 50	< 0.050	NA	**346,000**	**61,800**	**11,600 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**2,98,000 B**	**56,400**	**10,800 B**
	07/12/2018	< 100	**51 H**	**0.020 J H**	NA	**28,000**	**800 J**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**29,900**	**800 J**	NA
	05/09/2019	< 100 HF	**18 J**	**0.038 J**	NA	**9,100**	< 1,000	**6,300 B**
	09/13/2019	**160 HF**	**1,200**	**0.013 J**	NA	**9,900**	< 1,000	**6,000**
	12/05/2019	**180 HF**	< 100	< 0.1	NA	**55,000**	**12,100**	**59,700**
	02/11/2020	**220 HF**	**30 J H**	**0.016 J**	NA	**48,000**	< 1.0	**23,200**
	06/09/2020	**492 T8**	NA	NA	**63.3 J**	**89,200**	<50.0	**13,700**
	08/18/2020	**1,160 T8**	NA	NA	<500	**98,300**	<0.05	**15,800**
	11/05/2020	**1,050 T8**	NA	NA	<100	**85,500**	<50	**19,200**
MW-24-VDR	07/12/2018	**100 HF**	< 50	< 0.050	NA	**1,640,000**	< 1,000	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**1,300,000**	< 1,000	NA
	05/09/2019	< 100 HF	**10 J**	**0.063 J**	NA	**1,700,000**	<1,000	**7,700 B**
	09/13/2019	**700 HF**	<100	**0.010 J**	NA	**720,000**	**1,200**	**7,700**
	12/05/2019	< 100 HF	< 100	< 0.10	NA	**3,100,000**	< 1,000	**4,800**
	02/11/2020	**2000 HF**	36 J H	**0.013 J**	NA	**2,000,000**	< 1,000	**8,200**
	06/09/2020	**43,100 T8**	NA	NA	<100	**1,580,000**	<50.0	**7,030**
	08/18/2020	**32,100 T8**	NA	NA	<100	**1,510,000**	<0.05	**8,400**
	11/05/2020	**42,400 T8**	NA	NA	<100	**1,770,000**	<50	**6,760 B**
MW-26-D1	01/12/2016	NA	NA	NA	NA	**NA**	NA	NA
	06/22/2016	NA	NA	NA	NA	**139,000**	**70,600 F1**	NA
	10/25/2016	NA	NA	NA	NA	**252,000**	**48,000**	NA
	10/25/2016	NA	NA	NA	NA	**131,000**	**56,000**	NA
	07/05/2017	< 100	< 50	< 0.050	NA	**313,000**	**44,000**	**9,100 B**
	08/27/2017	< 100	< 50	< 0.050	NA	**203,000**	**43,200**	**10,800 B**
	10/11/2017	< 100	**600**	**5.1**	NA	**69,200**	< 1,000	**22,900 B**
	07/13/2018	< 100	< 50	< 0.050	NA	**237,000**	**44,800**	NA
	10/17/2018	< 100	< 50	< 0.050	NA	**2,64,000 B**	**28,400**	NA
	09/13/2019	**170 HF**	**12 J B**	**0.012 J B**	NA	**98,000**	**23,600**	**33,000**
	12/06/2019	**110 HF**	**30 JB**	**0.010 J**	NA	**230,000**	**21,000**	**31,600**

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-26-D1 (cont.)	02/11/2020	**570 HF**	NA	NA	NA	**290,000**	NA	**32,800**
	06/10/2020	**557 T8**	NA	NA	<1,000	**343,000**	**123**	**28,100**
	08/19/2020	**336 T8**	NA	NA	<500	**185,000**	**125**	**31,500**
	11/06/2020	**228 T8**	NA	NA	<100	**203,000**	<50	**31,100**
MW-26-D2	01/12/2016	NA	NA	NA	NA	**NA**	NA	NA
	06/22/2016	NA	NA	NA	NA	**1,200,000**	**1,700**	NA
	10/25/2016	NA	NA	NA	NA	**NA**	**40,000**	NA
	10/25/2016	NA	NA	NA	NA	**382,000**	**36,000**	NA
	07/05/2017	< 100	< 50	< 0.050	NA	**1,580,000**	**24,400**	**4,300 B**
	08/27/2017	< 100	< 50	< 0.050	NA	**1,100,000**	**16,000**	**4,800 B**
	10/11/2017	< 100	**28 J**	< 0.050	NA	**1,100,000**	**26,800**	**8,800 B**
	10/17/2018	< 100	< 50	< 0.050	NA	**3,61,000 B**	**25,600**	NA
	05/09/2019	< 100 HF	**21 J**	< 0.10	NA	**350,000**	**54,600**	**14,600 B**
	09/13/2019	<100 HF	<100	**0.0071 J B**	NA	**280,000**	**57,000**	**14,900**
	12/06/2019	**270 HF**	<100	< 0.10	NA	**280,000**	**45,600**	**13,700**
	02/11/2020	< 100 HF	**18 J H**	< 0.1	NA	**420,000**	**28,200**	**15,400**
	06/10/2020	**279 T8**	NA	NA	<1,000	**368,000**	**282**	**13,200 B**
	08/19/2020	**160 T8**	NA	NA	<500	**288,000**	**6.6**	**17,800**
MW-26-VD	01/13/2016	NA	NA	NA	NA	**NA**	**NA**	NA
	06/22/2016	NA	NA	NA	NA	**497,000**	**6,000**	NA
MW-27-D1R	01/13/2016	NA	NA	NA	NA	**NA**	**NA**	NA
	06/21/2016	NA	NA	NA	NA	**290,000**	**97,300**	NA
	07/05/2017	< 100	< 50	< 0.050	NA	**308,000**	**14,400**	**13,700 B**
	08/27/2017	< 100	< 50	< 0.050	NA	**699,000**	**1,400**	**14,400 B**
	07/13/2018	**170 HF**	< 50	< 0.050	NA	**157,000**	**63,200**	NA
	10/18/2018	**91 J HF**	< 50	< 0.050	NA	**183,000**	**63,200**	NA
	05/10/2019	**910 HF**	**19 J**	**0.010 J**	NA	**260,000**	**37,600**	**17,600**
	09/14/2019	**420 HF**	<100	**0.0084 J B**	NA	**160,000**	**53,200**	**17,600**
	12/05/2019	< 100	**45 JB**	< 0.10	NA	**200,000**	**45,600**	**16,600**
	08/19/2020	**10,400 T8**	NA	NA	<2,000	**310,000**	**93.7**	**18,700**
	11/06/2020	**552 T8**	NA	NA	<100	**170,000**	<50	**14,400 B**
MW-27-D2	01/13/2016	NA	NA	NA	NA	**NA**	NA	NA
	06/21/2016	NA	NA	NA	NA	**49,200**	**160**	NA
	07/05/2017	< 100	< 50	< 0.050	NA	**808,000**	**12,800**	**6,300 B**
	08/27/2017	< 100	< 50	< 0.050	NA	**1,300,000**	**16,600**	**4,800 B**
	10/12/2017	**450 HF**	**40 J**	< 0.050	NA	**11,20,000 B**	**8,800**	**4,700 B**
	07/13/2018	< 100	< 50	< 0.050	NA	**844,000**	**10,800**	NA
	10/18/2018	< 100	< 50	< 0.050	NA	**1,250,000**	**7,200**	NA
	05/10/2019	**760 HF**	**29 J**	< 0.10	NA	**250,000**	**24,400**	**15,200**
	09/14/2019	**630 HF**	**26 J B**	**0.013 J B**	NA	**250,000**	**32,200**	**12,700**
	12/05/2019	**120 HF**	< 100	**0.011 J**	NA	**280,000**	**22,000**	**12,000**
	02/12/2020	**480 HF F1**	**31 J B**	**0.02 J B**	NA	**400,000**	**14,100**	**10,100**

See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
	Units	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-27-D2 (cont.)	06/10/2020	**4,450 T8**	NA	NA	<1,000	**485,000**	<50.0	**9,620**
	08/19/2020	**1,470 T8**	NA	NA	<100 J6	**367,000**	**0.047 J**	**8,900**
	11/06/2020	**12,600 T8**	NA	NA	461	**1,100,000**	<50	**6,090**
MW-28-D1	06/24/2016	NA	NA	NA	NA	**155,000**	**54,400**	NA
	07/28/2016	NA	NA	NA	NA	NA	NA	NA
	07/05/2017	< 100	< 50	< 0.050	NA	**340,000**	**4,000**	**13,000 B**
	08/27/2017	< 100	< 50	< 0.050	NA	**349,000**	**18,200**	**14,400 B**
	10/11/2017	< 100	< 50	< 0.050	NA	**196,000**	**32,800**	**23,900 B**
	10/17/2018	< 100	**76**	**0.044 J**	NA	**231,000**	**7,200**	NA
	05/09/2019	**600 HF**	< 100	**0.016 J**	NA	**170,000**	**45,200**	**12,900 B**
	09/13/2019	**560 HF**	<100	**0.014 J B**	NA	**81,000**	**51,400**	**14,800**
	12/05/2019	**100 HF**	**21 JB**	**0.017 J**	NA	**280,000**	**1,600**	**17,300**
	02/11/2020	**280 HF**	**22 J H**	**0.018 J**	NA	**290,000**	**50,900**	**17,700**
	06/09/2020	**522 T8**	NA	NA	<100	**343,000**	<50.0	**15,300 B**
	08/19/2020	**145 T8**	NA	NA	<100	**304,000**	<0.05	**31,300**
	11/06/2020	**160 T8**	NA	NA	<100	**178,000**	190	**16,500**
MW-28-D2R	06/24/2016	NA	NA	NA	NA	**1,080,000**	< 100	NA
	07/28/2016	NA	NA	NA	NA	**NA**	NA	NA
	07/05/2017	**92 J HF**	< 50	< 0.050	NA	**1,620,000**	**2,400**	**4,000 B**
	08/27/2017	**420 HF**	< 50	< 0.050	NA	**1,370,000**	**4,000**	**4,800 B**
	10/11/2017	**160 HF**	< 50	< 0.050	NA	**938,000**	**3,600**	**4,500 B**
	07/13/2018	< 100	< 50	< 0.050	NA	**432,000**	**11,200**	NA
	10/17/2018	< 100	**260**	< 0.050	NA	**1,330,000**	**3,200**	NA
	05/09/2019	**200 HF**	< 100	**0.036 J**	NA	**870,000**	**10,900**	**9,400 B**
	09/13/2019	**200 HF**	**23 J B**	**0.020 J B**	NA	**530,000**	**6,100**	**8,800**
	12/06/2019	**160 HF**	**25 JB**	**0.015 J**	NA	**850,000**	**5,000**	**6,600**
	02/11/2020	**100 U HF**	**140 H**	**0.014 J**	NA	**440,000**	**11,500**	**8,300**
	06/09/2020	**6,540 T8**	NA	NA	**55.8 J**	**2,220,000**	<50.0	**5,920**
	08/19/2020	**4,540 T8**	NA	NA	<100	**1,140,000**	<0.05	**6,560**
	11/06/2020	**8,800 T8**	NA	NA	138	**618,000**	<50	**6,560**
MW-29-D1	01/14/2016	NA	NA	NA	NA	**NA**	NA	NA
	06/21/2016	NA	NA	NA	NA	**< 5000**	**230**	NA
	10/26/2016	NA	NA	NA	NA	**< 5000**	**1,200**	NA
	10/26/2016	NA	NA	NA	NA	**1,800 J**	< 2,000	NA
	07/05/2017	< 100	< 50	< 0.050	NA	**< 1,00,000**	**800 J**	**13,500 B**
	08/27/2017	< 100	< 50	< 0.050	NA	**< 1,00,000**	**101,000**	**12,900 B**
	10/12/2017	< 100	< 50	< 0.050	NA	**< 40,000**	**1,200**	**11,300 B**
	07/13/2018	< 100	< 50	< 0.050	NA	**< 40,000**	**1,200**	NA
	10/18/2018	< 100	< 50	< 0.050	NA	**13,600 J**	**800 J**	NA
	05/10/2019	**63 J HF**	< 100	**0.026 J**	NA	**13,000**	**1,100**	**14,200**
	09/14/2019	**110 HF**	<100	**0.016 J B**	NA	**6,900**	**830 J**	**10,000**
	12/06/2019	< 100	**53 J B**	**0.036 J**	NA	**16,000**	< 1,000	**29,500**

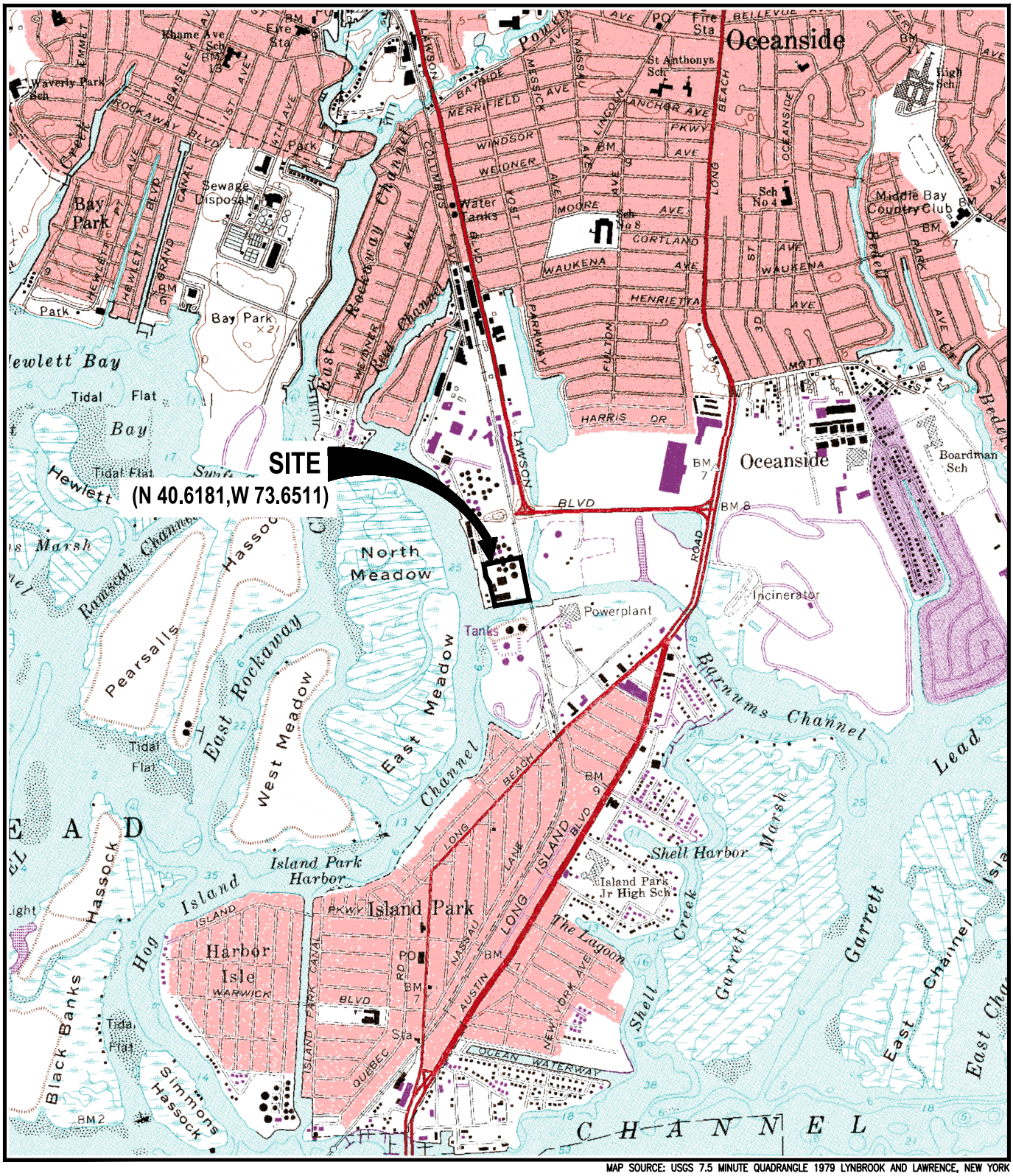
See Notes on Page 48.

Table 3
Summary of Historic Groundwater VOC Analytical Results – 2016 through 2020
Chevron Facility #6518040
Former Gulf Oil Terminal
Oceanside, Township of Hempstead, New York

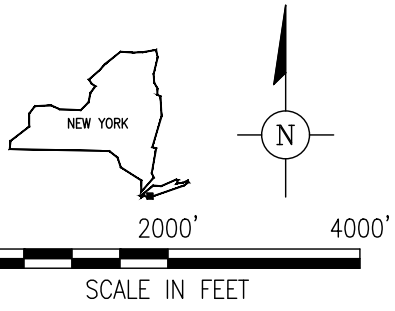
Location ID	Date Sampled	General Chemistry						
		Ferrous Iron	Nitrogen, Nitrate as N	Nitrogen, Nitrite	Nitrate-Nitrite	Sulfate (SO4)	Sulfide	Total Organic Carbon (TOC)
NYSDEC TOGS 1.1.1		NE	10,000	1	10,000	NE	NE	NE
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-29-D1 (cont.)	02/12/2020	**230 HF**	`	**0.018 J B**	NA	**17,000**	**910 J**	**3,400**
	06/10/2020	**362 T8**	NA	NA	<100	**72,600**	<50.0	**16,400**
	08/19/2020	**232 T8**	NA	NA	**107**	**60,500**	**0.031 J**	**18,700**
	11/06/2020	**204 T8**	NA	NA	**<100**	**43,800**	<50	**17,200**
MW-29-D2	01/14/2016	NA	NA	NA	NA	NA	**NA**	NA
	06/21/2016	NA	NA	NA	NA	**939,000**	**17,000**	NA
MW-29-VD	01/14/2016	NA	NA	NA	NA	NA	NA	NA
	06/21/2016	NA	NA	NA	NA	**1,890,000**	< 100	NA
MW-30-D1	01/14/2016	NA	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	NA	**92,700**	NA
MW-30-D2	01/14/2016	NA	NA	NA	NA	NA	NA	NA
	01/14/2016	NA	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	NA	**64,100 F1**	NA
MW-30-VD	01/14/2016	NA	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	NA	< 100	NA
MW-31-D1R	01/14/2016	NA	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	NA	**600**	NA
MW-31-D2R	01/14/2016	NA	NA	NA	NA	NA	NA	NA
	06/22/2016	NA	NA	NA	NA	NA	**2,800**	NA

See Notes on Page 48.

FIGURES



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



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

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

CITY: SYRACUSE, NY DIV/GROUP: EBC-IM/DV DB:G.STEINBERGER PIC: A.HEBERT PM: W.MCCUNE LYR:ON=*;OFF=*REF*
C:\Users\posenauer\OneDrive - ARCADIS\BIM 360 Docs\CHEVRON CORPORATION\6518040 - MTBE SOURCE AREA INV\2018\B0047517.0023\01-DWG\6518040_SITE LOC MAP_FIG 1.dwg LAYOUT: 1 SAVED: 11/20/2018 10:46 AM ACADVER: 21.0S (LMS TECH) PAGESETUP: C-PA-PDF
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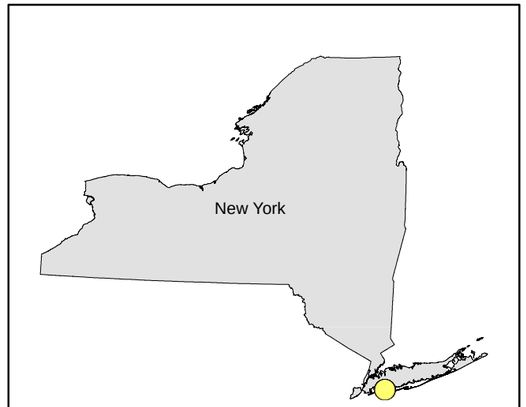
IMAGES:
NY_Lawrence.TIF
NY_Lynbrook.TIF



SITE LOCATION

LEGEND:

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

0 70 140 Feet

GRAPHIC SCALE

NOTE:

1. 2017 IMAGERY OBTAINED FROM GOOGLE EARTH.

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

SITE PLAN

ARCADIS Design & Consultancy for natural and built assets

FIGURE 2

City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: jrapp
Z:\GISProjects_ENV\Chevron_Oceanside_NY\ProgressReport\mxd\SitePlan.mxd 5/17/2019 11:19:29 AM

COSTCO BUILDING

BUILDING

HAMPTON ROAD

RAILROAD TRACKS

PARKING LOT

COSTCO SERVICE STATION

BARNUM ISLAND CHANNEL

OW-2-D1* 0.85
MW-24-VDR
MW-24-D2
MW-24-D1R 1.22
MW-23-D1R 1.19
MW-23-D2R
AMW-13-D1 0.92
AMW-13-D2
AMW-13-VD
AMW-15-D3
AMW-15-VD
AMW-15-D1 1.13
AMW-15-D2
MW-26-D1 1.20
MW-26-D2
MW-26-VD
AMW-14-D1* 1.25
AMW-14-VD
AMW-14-D2
AMW-3* 2.65
MW-27-D1R 1.31
MW-27-D2
MW-32D 1.05
MW-18R* 3.38
MW-28-D2R
MW-31-D1R 0.88
MW-31-D2R
MW-28-D1 0.66
MW-30-D2
MW-30-VD
MW-30-D1 0.71
MW-29-D1 1.26
MW-29-VD
MW-29-D2
AMW-7R* 1.67

1.00
1.20
0.80
1.00
1.20

SITE LOCATION

LEGEND:

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

0 70 140 Feet

GRAPHIC SCALE

NOTE:

1. 2017 IMAGERY OBTAINED FROM GOOGLE EARTH.

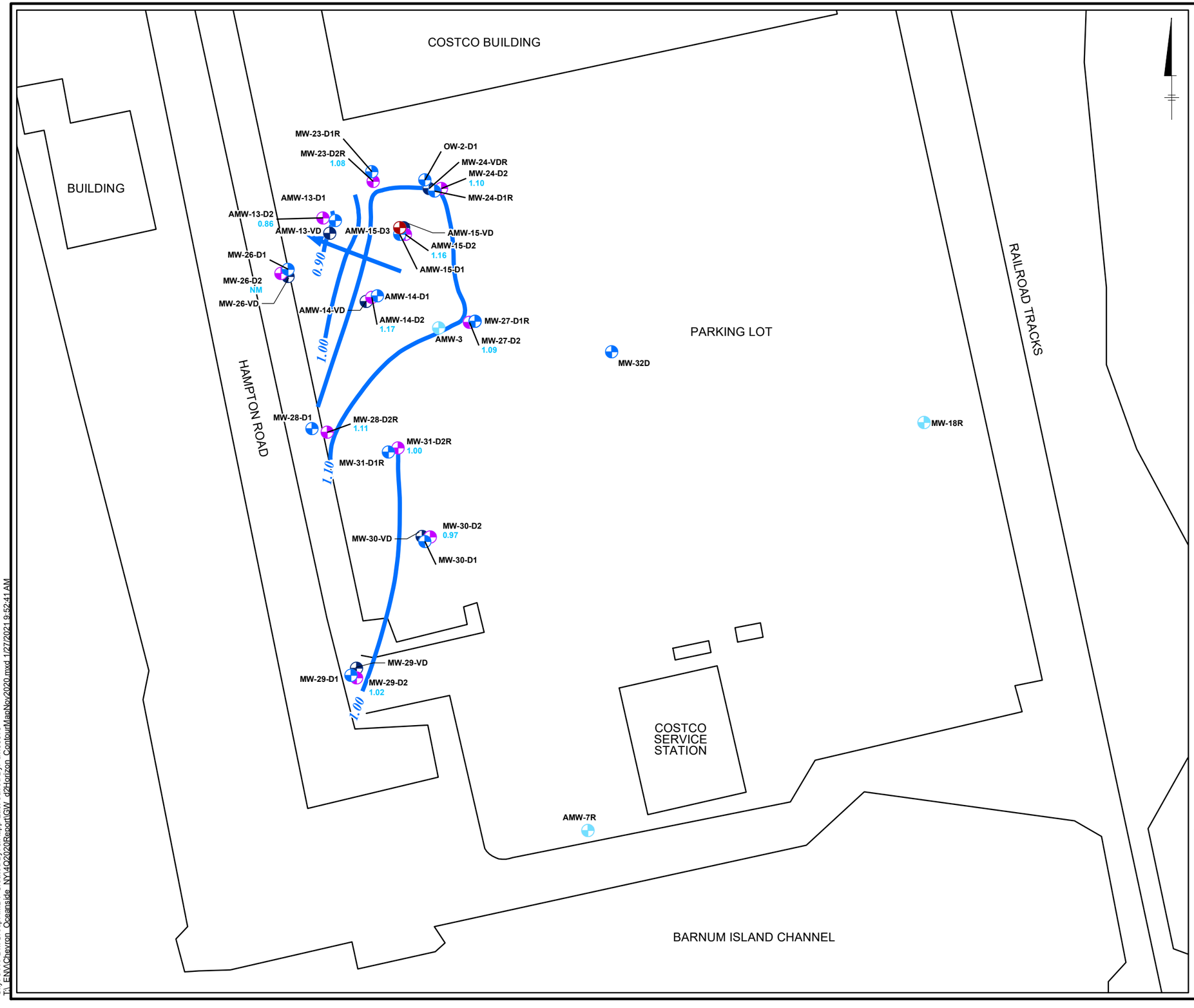
CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

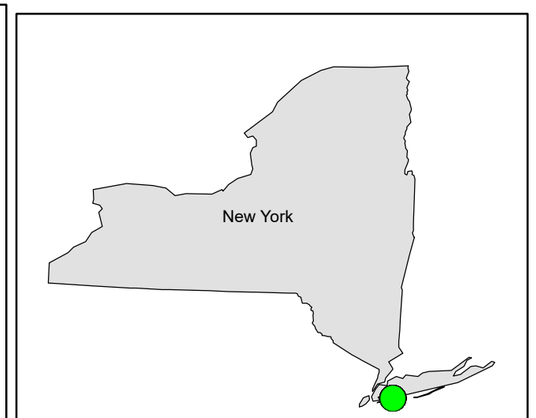
D1 HORIZON GROUNDWATER CONTOUR MAP NOVEMBER 04, 2020

ARCADIS Design & Consultancy for natural and built assets

FIGURE 3

City: SYR Div/Group: IMDV Created By: J.Rapp Last Saved By: avi00976
T:_ENV\Chevron_Oceanside_NY\4Q2020Report\GW_d1Horizon_ContourMapNov2020.mxd 2/11/2021 8:51:55 AM





SITE LOCATION

LEGEND:

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

0 70 140 Feet

GRAPHIC SCALE

NOTE:

1. 2017 IMAGERY OBTAINED FROM GOOGLE EARTH.

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

D2 HORIZON GROUNDWATER CONTOUR MAP NOVEMBER 04, 2020

ARCADIS Design & Consultancy for natural and built assets

FIGURE 4

COSTCO BUILDING

BUILDING

HAMPTON ROAD

RAILROAD TRACKS

PARKING LOT

BARNUM ISLAND CHANNEL

COSTCO SERVICE STATION

MW-23-D1R
MW-23-D2R
OW-2-D1
MW-24-VDR 1.50
MW-24-D2
MW-24-D1R
AMW-13-D1
AMW-13-D2
AMW-13-VD 1.25
AMW-15-D3
AMW-15-VD 1.40
AMW-15-D1
AMW-15-D2
MW-26-D1
MW-26-D2
MW-26-VD 0.94
AMW-14-D1
AMW-14-D2
AMW-3
MW-27-D1R
MW-27-D2
AMW-14-VD 1.28
MW-32D
MW-18R
MW-28-D1
MW-28-D2R
MW-31-D2R
MW-31-D1R
MW-30-VD 1.75
MW-30-D2
MW-30-D1
1.10
1.30
1.70
1.50
MW-29-VD 1.43
MW-29-D1
MW-29-D2
AMW-7R

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
- 1.50 GROUNDWATER ELEVATION CONTOUR (NAVD 88)
- GROUNDWATER ELEVATION CONTOUR (NAVD 88)
- APPROXIMATE FLOW DIRECTION

0 70 140 Feet

GRAPHIC SCALE

NOTE:

1. 2017 IMAGERY OBTAINED FROM GOOGLE EARTH.

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

VD HORIZON GROUNDWATER CONTOUR MAP NOVEMBER 04, 2020

ARCADIS Design & Consultancy for natural and built assets

FIGURE 5

Sample ID	MW-23-D1R
Sample Date	11/5/2020
Benzene	**0.0955 J**
Ethylbenzene	<1.00
Methyl t-butyl ether	**98.5**
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	MW-24-VDR
Sample Date	11/5/2020
Benzene	<1.00
Ethylbenzene	<1.00
Methyl t-butyl ether	**0.944 J**
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	MW-24-D2
Sample Date	11/5/2020
Benzene	**0.581 J**
Ethylbenzene	<1.00
Methyl t-butyl ether	**296**
trans-1,2-Dichloroethene	**1.13**
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	MW-24-D1R
Sample Date	11/5/2020
Benzene	**10.9 [8.99]**
Ethylbenzene	**7.18 [5.76]**
Methyl t-butyl ether	**207 [180]**
trans-1,2-Dichloroethene	**12.8 [9.50]**
Vinyl Chloride (Chloroethene)	<5.00 [<5.00]
Xylene (total)	**24.1 [18.6]**

Sample ID	MW-26-D1
Sample Date	11/6/2020
Benzene	**5.88**
Ethylbenzene	**1.05**
Methyl t-butyl ether	**84.1**
trans-1,2-Dichloroethene	**1.42**
Vinyl Chloride (Chloroethene)	**38.8 C5**
Xylene (total)	**0.793 J**

Sample ID	AMW-15-VD
Sample Date	11/4/2020
Benzene	<1.00
Ethylbenzene	<1.00
Methyl t-butyl ether	**0.581 J**
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	AMW-15-D3
Sample Date	11/4/2020
Benzene	**0.430 J**
Ethylbenzene	<1.00
Methyl t-butyl ether	**80.6**
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	**0.174 J**

Sample ID	AMW-14-D1
Sample Date	11/4/2020
Benzene	**7.94**
Ethylbenzene	**6.53**
Methyl t-butyl ether	**190**
trans-1,2-Dichloroethene	**12.1**
Vinyl Chloride (Chloroethene)	**6.16**
Xylene (total)	**3.95**

Sample ID	AMW-15-D2
Sample Date	11/4/2020
Benzene	**0.529 J**
Ethylbenzene	<1.00
Methyl t-butyl ether	**57.1**
trans-1,2-Dichloroethene	**0.430 J**
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	AMW-14-D2
Sample Date	11/5/2020
Benzene	<1.00
Ethylbenzene	<1.00
Methyl t-butyl ether	**31.1**
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	AMW-15-D1
Sample Date	11/4/2020
Benzene	**3.55**
Ethylbenzene	**1.80**
Methyl t-butyl ether	**76.7**
trans-1,2-Dichloroethene	**2.53**
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	**1.61 J**

Sample ID	AMW-14-VD
Sample Date	11/5/2020
Benzene	<1.00
Ethylbenzene	<1.00
Methyl t-butyl ether	**0.434 J**
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	MW-27-D1R
Sample Date	11/6/2020
Benzene	**2.58 J**
Ethylbenzene	<5.00
Methyl t-butyl ether	**22.2**
trans-1,2-Dichloroethene	**2.01 J**
Vinyl Chloride (Chloroethene)	**26.0 C5**
Xylene (total)	<15.0

Sample ID	MW-28-D1
Sample Date	11/6/2020
Benzene	**24.3**
Ethylbenzene	**3.68**
Methyl t-butyl ether	**28.8**
trans-1,2-Dichloroethene	**0.362 J**
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	**4.11**

Sample ID	MW-27-D2
Sample Date	11/6/2020
Benzene	<1.00
Ethylbenzene	<1.00
Methyl t-butyl ether	<1.00
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	MW-28-D2R
Sample Date	11/6/2020
Benzene	<1.00
Ethylbenzene	<1.00
Methyl t-butyl ether	**0.108 J**
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	MW-29-D1
Sample Date	11/6/2020
Benzene	**0.110 J**
Ethylbenzene	<1.00
Methyl t-butyl ether	**28.7**
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	<3.00

Sample ID	AMW-7R
Sample Date	11/6/2020
Benzene	**0.214 J**
Ethylbenzene	<1.00
Methyl t-butyl ether	<1.00
trans-1,2-Dichloroethene	<1.00
Vinyl Chloride (Chloroethene)	<1.00
Xylene (total)	**0.241 J**

COSTCO BUILDING

COSTCO SERVICE STATION

MW-23-D1R
MW-23-D2R
MW-24-VDR
OW-2-D1
MW-24-D2
MW-24-D1R
AMW-13-D1
AMW-13-D2
AMW-13-VD
AMW-15-VD
AMW-15-D3
AMW-15-D1
AMW-15-D2
MW-26-D1
MW-26-D2
MW-26-VD
AMW-14-D1
AMW-14-VD
AMW-14-D2
MW-27-D2
MW-27-D1R
AMW-3
MW-32D
MW-18R
MW-28-D1
MW-28-D2R
MW-31-D2R
MW-31-D1R
MW-30-VD
MW-30-D2
MW-30-D1
MW-29-VD
MW-29-D1
MW-29-D2
AMW-7R

0 70 140 Feet
GRAPHIC SCALE

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

NOTES:

2017 IMAGERY OBTAINED FROM GOOGLE EARTH.
CONCENTRATIONS ARE IN MICROGRAMS PER LITER (UG/L)
ID = IDENTIFICATION
NYSDEC = NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TOGS = NYSDEC TECHNICAL AND OPERATIONAL GUIDANCE SERIES AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES OF JUNE 1998
BOLDED VALUES = COMPOUND DETECTED
GREY SHADED CELLS = CONCENTRATION ABOVE THE TOGS
J = ANALYTE DETECTED AT A LEVEL LESS THAN THE REPORTING LIMIT (RL) AND GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT (MDL). CONCENTRATIONS WITHIN THIS RANGE ARE ESTIMATED.
[ ] = DUPLICATE ANALYSIS RESULTS
< = LESS THAN INDICATED REPORTING LIMIT
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.

CHEVRON FACILITY 6518040
3705 HAMPTON RD
OCEANSIDE, NY

GROUNDWATER ANALYTICAL RESULTS NOVEMBER 4 THROUGH 6, 2020

ARCADIS Design & Consultancy for natural and built assets

FIGURE 6

ATTACHMENT 1

Groundwater Gauging and Sampling Logs

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

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	11-4-20	2	12.42	9.05	6.40	12.45
AMW-13-D1		2	34.01	9.87	8.95	33.30
AMW-13-D2		2	43.95	9.76	8.90	43.31
AMW-13-VD		2	71.82	9.77	8.52	71.29
OW-2-D1		2	33.95	9.94	9.09	34.12
MW-26-VD		2	68.25	9.99	9.05	68.20
MW-29-D2		2	39.82	5.38	4.36	38.05
MW-29-VD		2	67.22	5.27	3.84	60.20
MW-30-D1		2	30	8.74	8.03	30.18
MW-30-D2		2	46.63	8.72	7.75	40.66
MW-30-VD		4	83.40	8.70	6.95	83.30
MW-31-D1R		2	30.04	8.39	7.51	30.30
MW-31-D2R		2	45.15	8.35	7.35	46.35
MW-32D		2	37.45	8.85	7.80	36.80
MW-27-D2		2	46.97	9.09	~~7.97~~	46.60
MW-28-D2R		2	46.69	8.40	7.29	46.60
MW-24-D2		2	42.20	10.00	8.90	41.75
MW-24-VDR		2	73.98	9.72	8.22	71.5
AMW-15-VD		2	72.15	9.82	8.42	71.85
AMW-7R		2	14.42	9.95	8.28	14.00
AMW-14-VD		2	75.61	9.25	7.97	75.00
AMW-14-D2		2	43.17	9.37	8.20	42.75
MW-28-D1		2	30.38	8.25		30.25
MW-26-D2		2	43.76	9.40		
MW-23-D2R		2	44.63	10.52	9.44	44.40
AMW-15-D2		2	36.2	9.71	8.55	40.75
AMW-15-D3		2	48.6	9.81	8.62	48.5
MW-23-D1R		2	25.78	9.84	8.65	25.60
AMW-15-D1		2	36.2	9.74	8.61	36.17
MW-27-D1R		2	32.99	9.01	7.70	32.60
MW-26-D1		2	28.8	9.95	8.75	20.30
MW-29-D1		2	23.45	5.21	3.95	
MW-18R		2	10.17	7.98	4.60	10.00
AMW-14-D1		2	33.15	9.38	8.13	32.10
MW-24-D1R		2	32.23	9.82	8.60	31.55

2052
2106 ~~1706~~
2135
2204

Hydrasleeve recovered out of MW-18

* MW-32D: casing damaged/ obstruction at ≈ 4.75 *

MW-28-D1
DTW: 7.59 (Measured 11/6)

*MW-26-D2 - Not located Under shrubs, mulch, weed mat *

8.00 DTW

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

ARCADIS

Project Name: Chevron Oceanside

Field Personnel: M. Mansilla, B. Freed, B. Santiago

Date: 11-4-20 / 11-5-20

Weather: 50s clear

BD- 24-DIR

	Well ID	Time	pH	Temp (dep C)	Cond (Ms/cm3)	DO (mg/L)	ORP (mV)	Notes
11-4	AMW-15-D3	~~1053~~ 2253	6.94	13.24	16.03	3.11	-190.1	
	AMW-15-VD	~~1110~~ 2310	7.74	13.17	37.22	3.79	-207.0	
	AMW-15-D1	2325	7.62	13.68	7,857	2.91	-315.2	
	AMW-15-D2	2340	7.17	13.44	10.98	5.61	-302.3	
	AMW-14-D1	2355	7.13	13.07	8.975	1.03	-316.0	
11-5	AMW-14-D2	0010	7.03	13.08	12.25	1.21	-318.3	
	AMW-14-VD	0025	6.92	12.97	36.44	3.03	-196.6	
11-5	MW-23D2R	2150	7.12	13.75	10.52	5.38	-266.9	
	MW-23-D1R	~~2200~~ 2215	7.20	14.33	7.208	1.20	-305.5	
	MW-24-D2	2240	7.62	16.09	4.601	1.70	-301.7	
	(BD) MW-24-D1R	2310	7.21	14.23	7.516	1.08	-301.4	
	MW-24-VDR	2330	6.86	13.46	36.34	3.49	-209.0	
11-6	MW-26-D1	~~2200~~ 0005	7.32	13.96	8,000	7.64	-307.0	
	MW-27-D2	0035	6.58	13.48	14.79	4.33	-190.9	
	MW-27-D1R	0050	7.01	13.40	11.21	9.32	-342.7	
	AMW-7R	0115	7.43	16.05	2.088	5.57	-223.5	
	MW-29-D1	0145	6.96	14.15	2.864	4.71	-253.9	
	MW-28-D1	0210	7.11	13.91	9.034	7.60	-289.9	
	MW-28-D2R	0230	6.60	13.56	23.06	5.48	-221.5	

FB-20110C5 : 0050

FB-20110C6: 0345

ATTACHMENT 2

Laboratory Analytical Reports

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

November 23, 2020

Arcadis - Chevron - NY

Sample Delivery Group:	L1282577
Samples Received:	11/06/2020
Project Number:	30044997.3722
Description:	Oceanside 6518040
Site:	6518040
Report To:	Loretta Kwong 27-01 Queens Plaza North Suite 800 New York City, NY 11101

Entire Report Reviewed By:

Jason Romer
Project Manager

TABLE OF CONTENTS

AMW-15-VD-W-201104 L1282577-01 GW

Collected by: M. Mongilla | Collected date/time: 11/04/20 23:10 | Received date/time: 11/06/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574197	1	11/12/20 09:39	11/12/20 09:39	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1576188	1	11/16/20 12:43	11/16/20 12:43	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	25	11/11/20 19:47	11/11/20 19:47	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1575916	1	11/18/20 10:53	11/18/20 10:53	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1576188	1	11/16/20 12:43	11/16/20 12:43	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1573827	1	11/10/20 13:37	11/10/20 13:37	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	100	11/06/20 16:12	11/06/20 16:12	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	500	11/06/20 16:27	11/06/20 16:27	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1575346	5	11/13/20 02:52	11/13/20 02:52	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574197	1	11/12/20 04:27	11/12/20 09:39	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574197	10	11/12/20 04:27	11/12/20 13:01	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574946	1	11/12/20 07:36	11/12/20 07:36	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576438	1	11/14/20 17:33	11/14/20 17:33	BMB	Mt. Juliet, TN

AMW-14-VD-W-201105 L1282577-02 GW

Collected by: M. Mongilla | Collected date/time: 11/05/20 00:25 | Received date/time: 11/06/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574197	1	11/12/20 09:42	11/12/20 09:42	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1576188	1	11/16/20 12:52	11/16/20 12:52	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	25	11/11/20 19:47	11/11/20 19:47	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1575916	1	11/18/20 10:54	11/18/20 10:54	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1576188	1	11/16/20 12:52	11/16/20 12:52	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1573827	1	11/10/20 13:38	11/10/20 13:38	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	100	11/06/20 16:58	11/06/20 16:58	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	500	11/06/20 17:14	11/06/20 17:14	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1575346	1	11/13/20 03:06	11/13/20 03:06	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574197	1	11/12/20 04:27	11/12/20 09:42	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574197	10	11/12/20 04:27	11/12/20 13:04	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574946	1	11/12/20 07:39	11/12/20 07:39	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576438	1	11/14/20 17:54	11/14/20 17:54	BMB	Mt. Juliet, TN

AMW-14-D2-W-201105 L1282577-03 GW

Collected by: M. Mongilla | Collected date/time: 11/05/20 00:10 | Received date/time: 11/06/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574197	1	11/12/20 09:45	11/12/20 09:45	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1576188	1	11/16/20 12:59	11/16/20 12:59	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	1	11/11/20 19:48	11/11/20 19:48	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1575916	1	11/18/20 10:56	11/18/20 10:56	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1576188	1	11/16/20 12:59	11/16/20 12:59	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1573827	10	11/10/20 13:38	11/10/20 13:38	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	10	11/06/20 18:00	11/06/20 18:00	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	100	11/06/20 18:15	11/06/20 18:15	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1575346	5	11/13/20 03:40	11/13/20 03:40	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574197	1	11/12/20 04:27	11/12/20 09:45	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574197	5	11/12/20 04:27	11/12/20 13:06	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574946	1	11/12/20 07:49	11/12/20 07:49	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1577423	1	11/17/20 08:20	11/17/20 08:20	JHH	Mt. Juliet, TN

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

AMW-15-D2-W-201104 L1282577-04 GW

Collected by: M. Mongilla | Collected date/time: 11/04/20 23:40 | Received date/time: 11/06/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574199	1	11/13/20 06:54	11/13/20 06:54	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1576188	1	11/16/20 13:16	11/16/20 13:16	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	1	11/11/20 19:48	11/11/20 19:48	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1575916	1	11/18/20 10:57	11/18/20 10:57	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1576188	1	11/16/20 13:16	11/16/20 13:16	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1573827	1	11/10/20 13:39	11/10/20 13:39	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	10	11/06/20 18:31	11/06/20 18:31	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	100	11/06/20 18:46	11/06/20 18:46	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1575346	2	11/13/20 03:54	11/13/20 03:54	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574199	1	11/12/20 10:36	11/13/20 06:54	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574199	5	11/12/20 10:36	11/13/20 09:46	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574946	1	11/12/20 07:59	11/12/20 07:59	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576438	1	11/14/20 18:14	11/14/20 18:14	BMB	Mt. Juliet, TN

AMW-15-D3-W-201104 L1282577-05 GW

Collected by: M. Mongilla | Collected date/time: 11/04/20 22:53 | Received date/time: 11/06/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574199	1	11/13/20 06:57	11/13/20 06:57	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1576188	1	11/16/20 13:24	11/16/20 13:24	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	1	11/11/20 19:48	11/11/20 19:48	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1575916	1	11/18/20 10:58	11/18/20 10:58	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1576188	1	11/16/20 13:24	11/16/20 13:24	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1573827	1	11/10/20 13:39	11/10/20 13:39	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	10	11/06/20 19:02	11/06/20 19:02	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	100	11/06/20 19:17	11/06/20 19:17	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1575346	2	11/13/20 04:08	11/13/20 04:08	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574199	1	11/12/20 10:36	11/13/20 06:57	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574199	5	11/12/20 10:36	11/13/20 09:49	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574946	1	11/12/20 08:03	11/12/20 08:03	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576438	1	11/14/20 18:35	11/14/20 18:35	BMB	Mt. Juliet, TN

AMW-15-D1-W-201104 L1282577-06 GW

Collected by: M. Mongilla | Collected date/time: 11/04/20 23:25 | Received date/time: 11/06/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574199	1	11/13/20 07:00	11/13/20 07:00	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1576188	1	11/16/20 13:32	11/16/20 13:32	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	1	11/11/20 19:49	11/11/20 19:49	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1575916	1	11/18/20 10:59	11/18/20 10:59	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1576188	1	11/16/20 13:32	11/16/20 13:32	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1573827	1	11/10/20 13:39	11/10/20 13:39	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	10	11/06/20 19:32	11/06/20 19:32	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	100	11/06/20 19:48	11/06/20 19:48	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1575346	5	11/13/20 04:23	11/13/20 04:23	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574199	1	11/12/20 10:36	11/13/20 07:00	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574199	5	11/12/20 10:36	11/13/20 09:52	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574946	1	11/12/20 08:05	11/12/20 08:05	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1577423	1	11/17/20 08:41	11/17/20 08:41	JHH	Mt. Juliet, TN

AMW-14-D1-W-201104 L1282577-07 GW

Collected by: M. Mongilla
Collected date/time: 11/04/20 23:55
Received date/time: 11/06/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574199	1	11/13/20 07:03	11/13/20 07:03	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1576188	1	11/16/20 13:39	11/16/20 13:39	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	1	11/11/20 19:49	11/11/20 19:49	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1575916	1	11/18/20 11:01	11/18/20 11:01	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1576188	1	11/16/20 13:39	11/16/20 13:39	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1573827	1	11/10/20 13:40	11/10/20 13:40	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	10	11/06/20 20:03	11/06/20 20:03	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	100	11/06/20 20:19	11/06/20 20:19	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1575346	5	11/13/20 04:38	11/13/20 04:38	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574199	1	11/12/20 10:36	11/13/20 07:03	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574199	5	11/12/20 10:36	11/13/20 09:55	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574946	1	11/12/20 08:11	11/12/20 08:11	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576438	1	11/14/20 18:55	11/14/20 18:55	BMB	Mt. Juliet, TN

FB-W-201105 L1282577-08 GW

Collected by: M. Mongilla
Collected date/time: 11/05/20 00:50
Received date/time: 11/06/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574199	1	11/13/20 07:11	11/13/20 07:11	CCE	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1576188	1	11/16/20 13:48	11/16/20 13:48	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	1	11/11/20 19:50	11/11/20 19:50	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1575916	1	11/18/20 11:03	11/18/20 11:03	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1576188	1	11/16/20 13:48	11/16/20 13:48	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1573827	1	11/10/20 13:41	11/10/20 13:41	JIC	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2011	WG1572173	1	11/06/20 16:12	11/06/20 16:12	KAB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572327	1	11/06/20 15:22	11/06/20 15:22	MSP	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1575346	1	11/13/20 04:51	11/13/20 04:51	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574199	1	11/12/20 10:36	11/13/20 07:11	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574946	1	11/12/20 08:17	11/12/20 08:17	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576438	1	11/14/20 19:16	11/14/20 19:16	BMB	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. 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.

Jason Romer
Project Manager

Sample Delivery Group (SDG) Narrative

Analyzed from headspace vial.

Lab Sample ID	Project Sample ID	Method
L1282577-03	AMW-14-D2-W-201105	8260C
L1282577-06	AMW-15-D1-W-201104	8260C

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U	T8	18.0	100	1	11/12/2020 09:39	WG1574197

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	523000		8450	20000	1	11/16/2020 12:43	WG1576188

Sample Narrative:

L1282577-01 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	4880	T8	375	1250	25	11/11/2020 19:47	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 10:53	WG1575916

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	T8	20000	1	11/16/2020 12:43	WG1576188

Sample Narrative:

L1282577-01 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	144		25.0	50.0	1	11/10/2020 13:37	WG1573827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	17300000		190000	500000	500	11/06/2020 16:27	WG1572327
Sulfate	2270000		59400	500000	100	11/06/2020 16:12	WG1572327

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8040	B	510	5000	5	11/13/2020 02:52	WG1575346

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4530		18.0	100	1	11/12/2020 09:39	WG1574197
Manganese	280		0.934	10.0	1	11/12/2020 09:39	WG1574197
Sodium	8440000		5040	30000	10	11/12/2020 13:01	WG1574197

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	63.3		2.91	10.0	1	11/12/2020 07:36	WG1574946
Ethane	U		4.07	13.0	1	11/12/2020 07:36	WG1574946
Ethene	U		4.26	13.0	1	11/12/2020 07:36	WG1574946

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/14/2020 17:33	WG1576438
Benzene	U		0.0941	1.00	1	11/14/2020 17:33	WG1576438
Bromochloromethane	U		0.128	1.00	1	11/14/2020 17:33	WG1576438
Bromodichloromethane	U		0.136	1.00	1	11/14/2020 17:33	WG1576438
Bromoform	U	C3 J4	0.129	1.00	1	11/14/2020 17:33	WG1576438
Bromomethane	U		0.605	5.00	1	11/14/2020 17:33	WG1576438
Carbon disulfide	U		0.0962	1.00	1	11/14/2020 17:33	WG1576438
Carbon tetrachloride	U	C3	0.128	1.00	1	11/14/2020 17:33	WG1576438
Chlorobenzene	U		0.116	1.00	1	11/14/2020 17:33	WG1576438
Chlorodibromomethane	U		0.140	1.00	1	11/14/2020 17:33	WG1576438
Chloroethane	U		0.192	5.00	1	11/14/2020 17:33	WG1576438
Chloroform	U		0.111	5.00	1	11/14/2020 17:33	WG1576438
Chloromethane	U		0.960	2.50	1	11/14/2020 17:33	WG1576438
Cyclohexane	U		0.188	1.00	1	11/14/2020 17:33	WG1576438
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/14/2020 17:33	WG1576438
1,2-Dibromoethane	U		0.126	1.00	1	11/14/2020 17:33	WG1576438
1,2-Dichlorobenzene	U		0.107	1.00	1	11/14/2020 17:33	WG1576438
1,3-Dichlorobenzene	U		0.110	1.00	1	11/14/2020 17:33	WG1576438
1,4-Dichlorobenzene	U		0.120	1.00	1	11/14/2020 17:33	WG1576438
Dichlorodifluoromethane	U		0.374	5.00	1	11/14/2020 17:33	WG1576438
1,1-Dichloroethane	U		0.100	1.00	1	11/14/2020 17:33	WG1576438
1,2-Dichloroethane	U		0.0819	1.00	1	11/14/2020 17:33	WG1576438
1,1-Dichloroethene	U		0.188	1.00	1	11/14/2020 17:33	WG1576438
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/14/2020 17:33	WG1576438
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/14/2020 17:33	WG1576438
1,2-Dichloropropane	U		0.149	1.00	1	11/14/2020 17:33	WG1576438
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/14/2020 17:33	WG1576438
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/14/2020 17:33	WG1576438
Ethylbenzene	U		0.137	1.00	1	11/14/2020 17:33	WG1576438
2-Hexanone	U		0.787	10.0	1	11/14/2020 17:33	WG1576438
Isopropylbenzene	U		0.105	1.00	1	11/14/2020 17:33	WG1576438
2-Butanone (MEK)	U		1.19	10.0	1	11/14/2020 17:33	WG1576438
Methyl Acetate	U		1.29	20.0	1	11/14/2020 17:33	WG1576438
Methyl Cyclohexane	U		0.660	1.00	1	11/14/2020 17:33	WG1576438
Methylene Chloride	U		0.430	5.00	1	11/14/2020 17:33	WG1576438
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/14/2020 17:33	WG1576438
Methyl tert-butyl ether	0.581	J	0.101	1.00	1	11/14/2020 17:33	WG1576438
Styrene	U		0.118	1.00	1	11/14/2020 17:33	WG1576438
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/14/2020 17:33	WG1576438
Tetrachloroethene	U		0.300	1.00	1	11/14/2020 17:33	WG1576438
Toluene	U		0.278	1.00	1	11/14/2020 17:33	WG1576438
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	11/14/2020 17:33	WG1576438
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/14/2020 17:33	WG1576438
1,1,1-Trichloroethane	U		0.149	1.00	1	11/14/2020 17:33	WG1576438
1,1,2-Trichloroethane	U		0.158	1.00	1	11/14/2020 17:33	WG1576438
Trichloroethene	U		0.190	1.00	1	11/14/2020 17:33	WG1576438
Trichlorofluoromethane	U		0.160	5.00	1	11/14/2020 17:33	WG1576438
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/14/2020 17:33	WG1576438
Vinyl chloride	U		0.234	1.00	1	11/14/2020 17:33	WG1576438

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.174	3.00	1	11/14/2020 17:33	WG1576438
(S) Toluene-d8	*106*			*80.0-120*		*11/14/2020 17:33*	WG1576438
(S) 4-Bromofluorobenzene	*94.8*			*77.0-126*		*11/14/2020 17:33*	WG1576438
(S) 1,2-Dichloroethane-d4	*97.1*			*70.0-130*		*11/14/2020 17:33*	WG1576438

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U	T8	18.0	100	1	11/12/2020 09:42	WG1574197

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	501000		8450	20000	1	11/16/2020 12:52	WG1576188

Sample Narrative:
L1282577-02 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	18000	T8	375	1250	25	11/11/2020 19:47	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 10:54	WG1575916

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	T8	20000	1	11/16/2020 12:52	WG1576188

Sample Narrative:
L1282577-02 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	117		25.0	50.0	1	11/10/2020 13:38	WG1573827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	17200000		190000	500000	500	11/06/2020 17:14	WG1572327
Sulfate	2250000		59400	500000	100	11/06/2020 16:58	WG1572327

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7270		102	1000	1	11/13/2020 03:06	WG1575346

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	18000		18.0	100	1	11/12/2020 09:42	WG1574197
Manganese	396		0.934	10.0	1	11/12/2020 09:42	WG1574197
Sodium	7940000		5040	30000	10	11/12/2020 13:04	WG1574197

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	48.6		2.91	10.0	1	11/12/2020 07:39	WG1574946
Ethane	U		4.07	13.0	1	11/12/2020 07:39	WG1574946
Ethene	U		4.26	13.0	1	11/12/2020 07:39	WG1574946

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/14/2020 17:54	WG1576438
Benzene	U		0.0941	1.00	1	11/14/2020 17:54	WG1576438
Bromochloromethane	U		0.128	1.00	1	11/14/2020 17:54	WG1576438
Bromodichloromethane	U		0.136	1.00	1	11/14/2020 17:54	WG1576438
Bromoform	U	C3 J4	0.129	1.00	1	11/14/2020 17:54	WG1576438
Bromomethane	U		0.605	5.00	1	11/14/2020 17:54	WG1576438
Carbon disulfide	U		0.0962	1.00	1	11/14/2020 17:54	WG1576438
Carbon tetrachloride	U	C3	0.128	1.00	1	11/14/2020 17:54	WG1576438
Chlorobenzene	U		0.116	1.00	1	11/14/2020 17:54	WG1576438
Chlorodibromomethane	U		0.140	1.00	1	11/14/2020 17:54	WG1576438
Chloroethane	U		0.192	5.00	1	11/14/2020 17:54	WG1576438
Chloroform	U		0.111	5.00	1	11/14/2020 17:54	WG1576438
Chloromethane	U		0.960	2.50	1	11/14/2020 17:54	WG1576438
Cyclohexane	U		0.188	1.00	1	11/14/2020 17:54	WG1576438
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/14/2020 17:54	WG1576438
1,2-Dibromoethane	U		0.126	1.00	1	11/14/2020 17:54	WG1576438
1,2-Dichlorobenzene	U		0.107	1.00	1	11/14/2020 17:54	WG1576438
1,3-Dichlorobenzene	U		0.110	1.00	1	11/14/2020 17:54	WG1576438
1,4-Dichlorobenzene	U		0.120	1.00	1	11/14/2020 17:54	WG1576438
Dichlorodifluoromethane	U		0.374	5.00	1	11/14/2020 17:54	WG1576438
1,1-Dichloroethane	U		0.100	1.00	1	11/14/2020 17:54	WG1576438
1,2-Dichloroethane	0.119	J	0.0819	1.00	1	11/14/2020 17:54	WG1576438
1,1-Dichloroethene	U		0.188	1.00	1	11/14/2020 17:54	WG1576438
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/14/2020 17:54	WG1576438
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/14/2020 17:54	WG1576438
1,2-Dichloropropane	U		0.149	1.00	1	11/14/2020 17:54	WG1576438
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/14/2020 17:54	WG1576438
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/14/2020 17:54	WG1576438
Ethylbenzene	U		0.137	1.00	1	11/14/2020 17:54	WG1576438
2-Hexanone	U		0.787	10.0	1	11/14/2020 17:54	WG1576438
Isopropylbenzene	U		0.105	1.00	1	11/14/2020 17:54	WG1576438
2-Butanone (MEK)	U		1.19	10.0	1	11/14/2020 17:54	WG1576438
Methyl Acetate	U		1.29	20.0	1	11/14/2020 17:54	WG1576438
Methyl Cyclohexane	U		0.660	1.00	1	11/14/2020 17:54	WG1576438
Methylene Chloride	U		0.430	5.00	1	11/14/2020 17:54	WG1576438
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/14/2020 17:54	WG1576438
Methyl tert-butyl ether	0.434	J	0.101	1.00	1	11/14/2020 17:54	WG1576438
Styrene	U		0.118	1.00	1	11/14/2020 17:54	WG1576438
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/14/2020 17:54	WG1576438
Tetrachloroethene	U		0.300	1.00	1	11/14/2020 17:54	WG1576438
Toluene	U		0.278	1.00	1	11/14/2020 17:54	WG1576438
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	11/14/2020 17:54	WG1576438
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/14/2020 17:54	WG1576438
1,1,1-Trichloroethane	U		0.149	1.00	1	11/14/2020 17:54	WG1576438
1,1,2-Trichloroethane	U		0.158	1.00	1	11/14/2020 17:54	WG1576438
Trichloroethene	U		0.190	1.00	1	11/14/2020 17:54	WG1576438
Trichlorofluoromethane	U		0.160	5.00	1	11/14/2020 17:54	WG1576438
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/14/2020 17:54	WG1576438
Vinyl chloride	U		0.234	1.00	1	11/14/2020 17:54	WG1576438

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.174	3.00	1	11/14/2020 17:54	WG1576438
(S) Toluene-d8	*106*			*80.0-120*		*11/14/2020 17:54*	WG1576438
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*11/14/2020 17:54*	WG1576438
(S) 1,2-Dichloroethane-d4	*94.5*			*70.0-130*		*11/14/2020 17:54*	WG1576438

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	2960	T8	15.0	50.0	1	11/12/2020 09:45	WG1574197

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	692000		8450	20000	1	11/16/2020 12:59	WG1576188

Sample Narrative:
L1282577-03 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	322	T8	15.0	50.0	1	11/11/2020 19:48	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 10:56	WG1575916

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	26300	T8	20000	1	11/16/2020 12:59	WG1576188

Sample Narrative:
L1282577-03 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	8060		250	500	10	11/10/2020 13:38	WG1573827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	4330000		37900	100000	100	11/06/2020 18:15	WG1572327
Sulfate	176000		5940	50000	10	11/06/2020 18:00	WG1572327

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	16800		510	5000	5	11/13/2020 03:40	WG1575346

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3290		18.0	100	1	11/12/2020 09:45	WG1574197
Manganese	104		0.934	10.0	1	11/12/2020 09:45	WG1574197
Sodium	1950000		2520	15000	5	11/12/2020 13:06	WG1574197

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1970		2.91	10.0	1	11/12/2020 07:49	WG1574946
Ethane	U		4.07	13.0	1	11/12/2020 07:49	WG1574946
Ethene	U		4.26	13.0	1	11/12/2020 07:49	WG1574946

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/17/2020 08:20	WG1577423
Benzene	U		0.0941	1.00	1	11/17/2020 08:20	WG1577423
Bromochloromethane	U		0.128	1.00	1	11/17/2020 08:20	WG1577423
Bromodichloromethane	U		0.136	1.00	1	11/17/2020 08:20	WG1577423
Bromoform	U		0.129	1.00	1	11/17/2020 08:20	WG1577423
Bromomethane	U		0.605	5.00	1	11/17/2020 08:20	WG1577423
Carbon disulfide	0.533	J	0.0962	1.00	1	11/17/2020 08:20	WG1577423
Carbon tetrachloride	U		0.128	1.00	1	11/17/2020 08:20	WG1577423
Chlorobenzene	U		0.116	1.00	1	11/17/2020 08:20	WG1577423
Chlorodibromomethane	U		0.140	1.00	1	11/17/2020 08:20	WG1577423
Chloroethane	U		0.192	5.00	1	11/17/2020 08:20	WG1577423
Chloroform	U		0.111	5.00	1	11/17/2020 08:20	WG1577423
Chloromethane	U		0.960	2.50	1	11/17/2020 08:20	WG1577423
Cyclohexane	U		0.188	1.00	1	11/17/2020 08:20	WG1577423
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/17/2020 08:20	WG1577423
1,2-Dibromoethane	U		0.126	1.00	1	11/17/2020 08:20	WG1577423
1,2-Dichlorobenzene	U		0.107	1.00	1	11/17/2020 08:20	WG1577423
1,3-Dichlorobenzene	U		0.110	1.00	1	11/17/2020 08:20	WG1577423
1,4-Dichlorobenzene	U		0.120	1.00	1	11/17/2020 08:20	WG1577423
Dichlorodifluoromethane	U		0.374	5.00	1	11/17/2020 08:20	WG1577423
1,1-Dichloroethane	U		0.100	1.00	1	11/17/2020 08:20	WG1577423
1,2-Dichloroethane	U		0.0819	1.00	1	11/17/2020 08:20	WG1577423
1,1-Dichloroethene	U		0.188	1.00	1	11/17/2020 08:20	WG1577423
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/17/2020 08:20	WG1577423
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/17/2020 08:20	WG1577423
1,2-Dichloropropane	U		0.149	1.00	1	11/17/2020 08:20	WG1577423
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/17/2020 08:20	WG1577423
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/17/2020 08:20	WG1577423
Ethylbenzene	U		0.137	1.00	1	11/17/2020 08:20	WG1577423
2-Hexanone	U		0.787	10.0	1	11/17/2020 08:20	WG1577423
Isopropylbenzene	U		0.105	1.00	1	11/17/2020 08:20	WG1577423
2-Butanone (MEK)	U		1.19	10.0	1	11/17/2020 08:20	WG1577423
Methyl Acetate	U		1.29	20.0	1	11/17/2020 08:20	WG1577423
Methyl Cyclohexane	U		0.660	1.00	1	11/17/2020 08:20	WG1577423
Methylene Chloride	U		0.430	5.00	1	11/17/2020 08:20	WG1577423
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/17/2020 08:20	WG1577423
Methyl tert-butyl ether	31.1		0.101	1.00	1	11/17/2020 08:20	WG1577423
Styrene	U		0.118	1.00	1	11/17/2020 08:20	WG1577423
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/17/2020 08:20	WG1577423
Tetrachloroethene	U		0.300	1.00	1	11/17/2020 08:20	WG1577423
Toluene	U		0.278	1.00	1	11/17/2020 08:20	WG1577423
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/17/2020 08:20	WG1577423
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/17/2020 08:20	WG1577423
1,1,1-Trichloroethane	U		0.149	1.00	1	11/17/2020 08:20	WG1577423
1,1,2-Trichloroethane	U		0.158	1.00	1	11/17/2020 08:20	WG1577423
Trichloroethene	U		0.190	1.00	1	11/17/2020 08:20	WG1577423
Trichlorofluoromethane	U		0.160	5.00	1	11/17/2020 08:20	WG1577423
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/17/2020 08:20	WG1577423
Vinyl chloride	U		0.234	1.00	1	11/17/2020 08:20	WG1577423

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.174	3.00	1	11/17/2020 08:20	WG1577423
(S) Toluene-d8	*103*			*80.0-120*		*11/17/2020 08:20*	WG1577423
(S) 4-Bromofluorobenzene	*87.4*			*77.0-126*		*11/17/2020 08:20*	WG1577423
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*11/17/2020 08:20*	WG1577423

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	290	T8	15.0	50.0	1	11/13/2020 06:54	WG1574199

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	540000		8450	20000	1	11/16/2020 13:16	WG1576188

Sample Narrative:

L1282577-04 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	673	T8	15.0	50.0	1	11/11/2020 19:48	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 10:57	WG1575916

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	21500	T8	20000	1	11/16/2020 13:16	WG1576188

Sample Narrative:

L1282577-04 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	58.0		25.0	50.0	1	11/10/2020 13:39	WG1573827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	4150000		37900	100000	100	11/06/2020 18:46	WG1572327
Sulfate	263000		5940	50000	10	11/06/2020 18:31	WG1572327

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	13300		204	2000	2	11/13/2020 03:54	WG1575346

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	963		18.0	100	1	11/13/2020 06:54	WG1574199
Manganese	76.6		0.934	10.0	1	11/13/2020 06:54	WG1574199
Sodium	1940000		2520	15000	5	11/13/2020 09:46	WG1574199

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	809		2.91	10.0	1	11/12/2020 07:59	WG1574946
Ethane	6.37	J	4.07	13.0	1	11/12/2020 07:59	WG1574946
Ethene	U		4.26	13.0	1	11/12/2020 07:59	WG1574946

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/14/2020 18:14	WG1576438
Benzene	0.529	J	0.0941	1.00	1	11/14/2020 18:14	WG1576438
Bromochloromethane	U		0.128	1.00	1	11/14/2020 18:14	WG1576438
Bromodichloromethane	U		0.136	1.00	1	11/14/2020 18:14	WG1576438
Bromoform	U	C3 J4	0.129	1.00	1	11/14/2020 18:14	WG1576438
Bromomethane	U		0.605	5.00	1	11/14/2020 18:14	WG1576438
Carbon disulfide	U		0.0962	1.00	1	11/14/2020 18:14	WG1576438
Carbon tetrachloride	U	C3	0.128	1.00	1	11/14/2020 18:14	WG1576438
Chlorobenzene	U		0.116	1.00	1	11/14/2020 18:14	WG1576438
Chlorodibromomethane	U		0.140	1.00	1	11/14/2020 18:14	WG1576438
Chloroethane	U		0.192	5.00	1	11/14/2020 18:14	WG1576438
Chloroform	U		0.111	5.00	1	11/14/2020 18:14	WG1576438
Chloromethane	U		0.960	2.50	1	11/14/2020 18:14	WG1576438
Cyclohexane	U		0.188	1.00	1	11/14/2020 18:14	WG1576438
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/14/2020 18:14	WG1576438
1,2-Dibromoethane	U		0.126	1.00	1	11/14/2020 18:14	WG1576438
1,2-Dichlorobenzene	U		0.107	1.00	1	11/14/2020 18:14	WG1576438
1,3-Dichlorobenzene	U		0.110	1.00	1	11/14/2020 18:14	WG1576438
1,4-Dichlorobenzene	U		0.120	1.00	1	11/14/2020 18:14	WG1576438
Dichlorodifluoromethane	U		0.374	5.00	1	11/14/2020 18:14	WG1576438
1,1-Dichloroethane	U		0.100	1.00	1	11/14/2020 18:14	WG1576438
1,2-Dichloroethane	U		0.0819	1.00	1	11/14/2020 18:14	WG1576438
1,1-Dichloroethene	U		0.188	1.00	1	11/14/2020 18:14	WG1576438
cis-1,2-Dichloroethene	0.188	J	0.126	1.00	1	11/14/2020 18:14	WG1576438
trans-1,2-Dichloroethene	0.430	J	0.149	1.00	1	11/14/2020 18:14	WG1576438
1,2-Dichloropropane	U		0.149	1.00	1	11/14/2020 18:14	WG1576438
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/14/2020 18:14	WG1576438
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/14/2020 18:14	WG1576438
Ethylbenzene	U		0.137	1.00	1	11/14/2020 18:14	WG1576438
2-Hexanone	U		0.787	10.0	1	11/14/2020 18:14	WG1576438
Isopropylbenzene	U		0.105	1.00	1	11/14/2020 18:14	WG1576438
2-Butanone (MEK)	U		1.19	10.0	1	11/14/2020 18:14	WG1576438
Methyl Acetate	U		1.29	20.0	1	11/14/2020 18:14	WG1576438
Methyl Cyclohexane	U		0.660	1.00	1	11/14/2020 18:14	WG1576438
Methylene Chloride	U		0.430	5.00	1	11/14/2020 18:14	WG1576438
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/14/2020 18:14	WG1576438
Methyl tert-butyl ether	57.1		0.101	1.00	1	11/14/2020 18:14	WG1576438
Styrene	U		0.118	1.00	1	11/14/2020 18:14	WG1576438
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/14/2020 18:14	WG1576438
Tetrachloroethene	U		0.300	1.00	1	11/14/2020 18:14	WG1576438
Toluene	U		0.278	1.00	1	11/14/2020 18:14	WG1576438
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	11/14/2020 18:14	WG1576438
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/14/2020 18:14	WG1576438
1,1,1-Trichloroethane	U		0.149	1.00	1	11/14/2020 18:14	WG1576438
1,1,2-Trichloroethane	U		0.158	1.00	1	11/14/2020 18:14	WG1576438
Trichloroethene	U		0.190	1.00	1	11/14/2020 18:14	WG1576438
Trichlorofluoromethane	U		0.160	5.00	1	11/14/2020 18:14	WG1576438
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/14/2020 18:14	WG1576438
Vinyl chloride	U		0.234	1.00	1	11/14/2020 18:14	WG1576438

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.174	3.00	1	11/14/2020 18:14	WG1576438
(S) Toluene-d8	*104*			*80.0-120*		*11/14/2020 18:14*	WG1576438
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*11/14/2020 18:14*	WG1576438
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*11/14/2020 18:14*	WG1576438

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	447	T8	15.0	50.0	1	11/13/2020 06:57	WG1574199

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	649000		8450	20000	1	11/16/2020 13:24	WG1576188

Sample Narrative:

L1282577-05 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	348	T8	15.0	50.0	1	11/11/2020 19:48	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 10:58	WG1575916

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	23400	T8	20000	1	11/16/2020 13:24	WG1576188

Sample Narrative:

L1282577-05 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	1050		25.0	50.0	1	11/10/2020 13:39	WG1573827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	4790000		37900	100000	100	11/06/2020 19:17	WG1572327
Sulfate	337000		5940	50000	10	11/06/2020 19:02	WG1572327

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	13500		204	2000	2	11/13/2020 04:08	WG1575346

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	795		18.0	100	1	11/13/2020 06:57	WG1574199
Manganese	131		0.934	10.0	1	11/13/2020 06:57	WG1574199
Sodium	1660000		2520	15000	5	11/13/2020 09:49	WG1574199

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2010		2.91	10.0	1	11/12/2020 08:03	WG1574946
Ethane	U		4.07	13.0	1	11/12/2020 08:03	WG1574946
Ethene	U		4.26	13.0	1	11/12/2020 08:03	WG1574946

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/14/2020 18:35	WG1576438
Benzene	0.430	J	0.0941	1.00	1	11/14/2020 18:35	WG1576438
Bromochloromethane	U		0.128	1.00	1	11/14/2020 18:35	WG1576438
Bromodichloromethane	U		0.136	1.00	1	11/14/2020 18:35	WG1576438
Bromoform	U	C3 J4	0.129	1.00	1	11/14/2020 18:35	WG1576438
Bromomethane	U		0.605	5.00	1	11/14/2020 18:35	WG1576438
Carbon disulfide	U		0.0962	1.00	1	11/14/2020 18:35	WG1576438
Carbon tetrachloride	U	C3	0.128	1.00	1	11/14/2020 18:35	WG1576438
Chlorobenzene	U		0.116	1.00	1	11/14/2020 18:35	WG1576438
Chlorodibromomethane	U		0.140	1.00	1	11/14/2020 18:35	WG1576438
Chloroethane	U		0.192	5.00	1	11/14/2020 18:35	WG1576438
Chloroform	U		0.111	5.00	1	11/14/2020 18:35	WG1576438
Chloromethane	U		0.960	2.50	1	11/14/2020 18:35	WG1576438
Cyclohexane	U		0.188	1.00	1	11/14/2020 18:35	WG1576438
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/14/2020 18:35	WG1576438
1,2-Dibromoethane	U		0.126	1.00	1	11/14/2020 18:35	WG1576438
1,2-Dichlorobenzene	U		0.107	1.00	1	11/14/2020 18:35	WG1576438
1,3-Dichlorobenzene	U		0.110	1.00	1	11/14/2020 18:35	WG1576438
1,4-Dichlorobenzene	U		0.120	1.00	1	11/14/2020 18:35	WG1576438
Dichlorodifluoromethane	U		0.374	5.00	1	11/14/2020 18:35	WG1576438
1,1-Dichloroethane	0.139	J	0.100	1.00	1	11/14/2020 18:35	WG1576438
1,2-Dichloroethane	U		0.0819	1.00	1	11/14/2020 18:35	WG1576438
1,1-Dichloroethene	U		0.188	1.00	1	11/14/2020 18:35	WG1576438
cis-1,2-Dichloroethene	0.951	J	0.126	1.00	1	11/14/2020 18:35	WG1576438
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/14/2020 18:35	WG1576438
1,2-Dichloropropane	U		0.149	1.00	1	11/14/2020 18:35	WG1576438
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/14/2020 18:35	WG1576438
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/14/2020 18:35	WG1576438
Ethylbenzene	U		0.137	1.00	1	11/14/2020 18:35	WG1576438
2-Hexanone	U		0.787	10.0	1	11/14/2020 18:35	WG1576438
Isopropylbenzene	U		0.105	1.00	1	11/14/2020 18:35	WG1576438
2-Butanone (MEK)	U		1.19	10.0	1	11/14/2020 18:35	WG1576438
Methyl Acetate	U		1.29	20.0	1	11/14/2020 18:35	WG1576438
Methyl Cyclohexane	U		0.660	1.00	1	11/14/2020 18:35	WG1576438
Methylene Chloride	U		0.430	5.00	1	11/14/2020 18:35	WG1576438
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/14/2020 18:35	WG1576438
Methyl tert-butyl ether	80.6		0.101	1.00	1	11/14/2020 18:35	WG1576438
Styrene	U		0.118	1.00	1	11/14/2020 18:35	WG1576438
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/14/2020 18:35	WG1576438
Tetrachloroethene	U		0.300	1.00	1	11/14/2020 18:35	WG1576438
Toluene	U		0.278	1.00	1	11/14/2020 18:35	WG1576438
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	11/14/2020 18:35	WG1576438
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/14/2020 18:35	WG1576438
1,1,1-Trichloroethane	U		0.149	1.00	1	11/14/2020 18:35	WG1576438
1,1,2-Trichloroethane	U		0.158	1.00	1	11/14/2020 18:35	WG1576438
Trichloroethene	4.31		0.190	1.00	1	11/14/2020 18:35	WG1576438
Trichlorofluoromethane	U		0.160	5.00	1	11/14/2020 18:35	WG1576438
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/14/2020 18:35	WG1576438
Vinyl chloride	U		0.234	1.00	1	11/14/2020 18:35	WG1576438

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	0.174	J	0.174	3.00	1	11/14/2020 18:35	WG1576438
(S) Toluene-d8	*106*			*80.0-120*		*11/14/2020 18:35*	WG1576438
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*11/14/2020 18:35*	WG1576438
(S) 1,2-Dichloroethane-d4	*92.2*			*70.0-130*		*11/14/2020 18:35*	WG1576438

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	142	T8	15.0	50.0	1	11/13/2020 07:00	WG1574199

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	425000		8450	20000	1	11/16/2020 13:32	WG1576188

Sample Narrative:
L1282577-06 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	658	T8	15.0	50.0	1	11/11/2020 19:49	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 10:59	WG1575916

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	T8	20000	1	11/16/2020 13:32	WG1576188

Sample Narrative:
L1282577-06 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	514		25.0	50.0	1	11/10/2020 13:39	WG1573827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2250000		37900	100000	100	11/06/2020 19:48	WG1572327
Sulfate	138000		5940	50000	10	11/06/2020 19:32	WG1572327

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	32100		510	5000	5	11/13/2020 04:23	WG1575346

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	800		18.0	100	1	11/13/2020 07:00	WG1574199
Manganese	80.5		0.934	10.0	1	11/13/2020 07:00	WG1574199
Sodium	1030000		2520	15000	5	11/13/2020 09:52	WG1574199

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5200		2.91	10.0	1	11/12/2020 08:05	WG1574946
Ethane	722		4.07	13.0	1	11/12/2020 08:05	WG1574946
Ethene	U		4.26	13.0	1	11/12/2020 08:05	WG1574946

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/17/2020 08:41	WG1577423
Benzene	3.55		0.0941	1.00	1	11/17/2020 08:41	WG1577423
Bromochloromethane	U		0.128	1.00	1	11/17/2020 08:41	WG1577423
Bromodichloromethane	U		0.136	1.00	1	11/17/2020 08:41	WG1577423
Bromoform	U		0.129	1.00	1	11/17/2020 08:41	WG1577423
Bromomethane	U		0.605	5.00	1	11/17/2020 08:41	WG1577423
Carbon disulfide	0.777	J	0.0962	1.00	1	11/17/2020 08:41	WG1577423
Carbon tetrachloride	U		0.128	1.00	1	11/17/2020 08:41	WG1577423
Chlorobenzene	U		0.116	1.00	1	11/17/2020 08:41	WG1577423
Chlorodibromomethane	U		0.140	1.00	1	11/17/2020 08:41	WG1577423
Chloroethane	U		0.192	5.00	1	11/17/2020 08:41	WG1577423
Chloroform	U		0.111	5.00	1	11/17/2020 08:41	WG1577423
Chloromethane	U		0.960	2.50	1	11/17/2020 08:41	WG1577423
Cyclohexane	U		0.188	1.00	1	11/17/2020 08:41	WG1577423
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/17/2020 08:41	WG1577423
1,2-Dibromoethane	U		0.126	1.00	1	11/17/2020 08:41	WG1577423
1,2-Dichlorobenzene	U		0.107	1.00	1	11/17/2020 08:41	WG1577423
1,3-Dichlorobenzene	U		0.110	1.00	1	11/17/2020 08:41	WG1577423
1,4-Dichlorobenzene	U		0.120	1.00	1	11/17/2020 08:41	WG1577423
Dichlorodifluoromethane	U		0.374	5.00	1	11/17/2020 08:41	WG1577423
1,1-Dichloroethane	0.325	J	0.100	1.00	1	11/17/2020 08:41	WG1577423
1,2-Dichloroethane	U		0.0819	1.00	1	11/17/2020 08:41	WG1577423
1,1-Dichloroethene	U		0.188	1.00	1	11/17/2020 08:41	WG1577423
cis-1,2-Dichloroethene	0.362	J	0.126	1.00	1	11/17/2020 08:41	WG1577423
trans-1,2-Dichloroethene	2.53		0.149	1.00	1	11/17/2020 08:41	WG1577423
1,2-Dichloropropane	U		0.149	1.00	1	11/17/2020 08:41	WG1577423
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/17/2020 08:41	WG1577423
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/17/2020 08:41	WG1577423
Ethylbenzene	1.80		0.137	1.00	1	11/17/2020 08:41	WG1577423
2-Hexanone	U		0.787	10.0	1	11/17/2020 08:41	WG1577423
Isopropylbenzene	0.216	J	0.105	1.00	1	11/17/2020 08:41	WG1577423
2-Butanone (MEK)	U		1.19	10.0	1	11/17/2020 08:41	WG1577423
Methyl Acetate	U		1.29	20.0	1	11/17/2020 08:41	WG1577423
Methyl Cyclohexane	U		0.660	1.00	1	11/17/2020 08:41	WG1577423
Methylene Chloride	U		0.430	5.00	1	11/17/2020 08:41	WG1577423
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/17/2020 08:41	WG1577423
Methyl tert-butyl ether	76.7		0.101	1.00	1	11/17/2020 08:41	WG1577423
Styrene	U		0.118	1.00	1	11/17/2020 08:41	WG1577423
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/17/2020 08:41	WG1577423
Tetrachloroethene	U		0.300	1.00	1	11/17/2020 08:41	WG1577423
Toluene	U		0.278	1.00	1	11/17/2020 08:41	WG1577423
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/17/2020 08:41	WG1577423
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/17/2020 08:41	WG1577423
1,1,1-Trichloroethane	U		0.149	1.00	1	11/17/2020 08:41	WG1577423
1,1,2-Trichloroethane	U		0.158	1.00	1	11/17/2020 08:41	WG1577423
Trichloroethene	U		0.190	1.00	1	11/17/2020 08:41	WG1577423
Trichlorofluoromethane	U		0.160	5.00	1	11/17/2020 08:41	WG1577423
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/17/2020 08:41	WG1577423
Vinyl chloride	U		0.234	1.00	1	11/17/2020 08:41	WG1577423

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	1.61	J	0.174	3.00	1	11/17/2020 08:41	WG1577423
(S) Toluene-d8	*101*			*80.0-120*		*11/17/2020 08:41*	WG1577423
(S) 4-Bromofluorobenzene	*90.6*			*77.0-126*		*11/17/2020 08:41*	WG1577423
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*11/17/2020 08:41*	WG1577423

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	2710	T8	15.0	50.0	1	11/13/2020 07:03	WG1574199

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	581000		8450	20000	1	11/16/2020 13:39	WG1576188

Sample Narrative:
L1282577-07 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	418	T8	15.0	50.0	1	11/11/2020 19:49	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 11:01	WG1575916

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	28200	T8	20000	1	11/16/2020 13:39	WG1576188

Sample Narrative:
L1282577-07 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	458		25.0	50.0	1	11/10/2020 13:40	WG1573827

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3030000		37900	100000	100	11/06/2020 20:19	WG1572327
Sulfate	127000		5940	50000	10	11/06/2020 20:03	WG1572327

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	39000		510	5000	5	11/13/2020 04:38	WG1575346

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3130		18.0	100	1	11/13/2020 07:03	WG1574199
Manganese	22.0		0.934	10.0	1	11/13/2020 07:03	WG1574199
Sodium	986000		2520	15000	5	11/13/2020 09:55	WG1574199

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	5990		2.91	10.0	1	11/12/2020 08:11	WG1574946
Ethane	816		4.07	13.0	1	11/12/2020 08:11	WG1574946
Ethene	225		4.26	13.0	1	11/12/2020 08:11	WG1574946

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	11/14/2020 18:55	WG1576438
Benzene	7.94		0.0941	1.00	1	11/14/2020 18:55	WG1576438
Bromochloromethane	U		0.128	1.00	1	11/14/2020 18:55	WG1576438
Bromodichloromethane	U		0.136	1.00	1	11/14/2020 18:55	WG1576438
Bromoform	U	C3 J4	0.129	1.00	1	11/14/2020 18:55	WG1576438
Bromomethane	U		0.605	5.00	1	11/14/2020 18:55	WG1576438
Carbon disulfide	U		0.0962	1.00	1	11/14/2020 18:55	WG1576438
Carbon tetrachloride	U	C3	0.128	1.00	1	11/14/2020 18:55	WG1576438
Chlorobenzene	U		0.116	1.00	1	11/14/2020 18:55	WG1576438
Chlorodibromomethane	U		0.140	1.00	1	11/14/2020 18:55	WG1576438
Chloroethane	U		0.192	5.00	1	11/14/2020 18:55	WG1576438
Chloroform	U		0.111	5.00	1	11/14/2020 18:55	WG1576438
Chloromethane	U		0.960	2.50	1	11/14/2020 18:55	WG1576438
Cyclohexane	2.02		0.188	1.00	1	11/14/2020 18:55	WG1576438
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/14/2020 18:55	WG1576438
1,2-Dibromoethane	U		0.126	1.00	1	11/14/2020 18:55	WG1576438
1,2-Dichlorobenzene	U		0.107	1.00	1	11/14/2020 18:55	WG1576438
1,3-Dichlorobenzene	U		0.110	1.00	1	11/14/2020 18:55	WG1576438
1,4-Dichlorobenzene	U		0.120	1.00	1	11/14/2020 18:55	WG1576438
Dichlorodifluoromethane	U		0.374	5.00	1	11/14/2020 18:55	WG1576438
1,1-Dichloroethane	0.790	J	0.100	1.00	1	11/14/2020 18:55	WG1576438
1,2-Dichloroethane	U		0.0819	1.00	1	11/14/2020 18:55	WG1576438
1,1-Dichloroethene	U		0.188	1.00	1	11/14/2020 18:55	WG1576438
cis-1,2-Dichloroethene	0.221	J	0.126	1.00	1	11/14/2020 18:55	WG1576438
trans-1,2-Dichloroethene	12.1		0.149	1.00	1	11/14/2020 18:55	WG1576438
1,2-Dichloropropane	U		0.149	1.00	1	11/14/2020 18:55	WG1576438
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/14/2020 18:55	WG1576438
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/14/2020 18:55	WG1576438
Ethylbenzene	6.53		0.137	1.00	1	11/14/2020 18:55	WG1576438
2-Hexanone	U		0.787	10.0	1	11/14/2020 18:55	WG1576438
Isopropylbenzene	1.18		0.105	1.00	1	11/14/2020 18:55	WG1576438
2-Butanone (MEK)	U		1.19	10.0	1	11/14/2020 18:55	WG1576438
Methyl Acetate	U		1.29	20.0	1	11/14/2020 18:55	WG1576438
Methyl Cyclohexane	3.97		0.660	1.00	1	11/14/2020 18:55	WG1576438
Methylene Chloride	U		0.430	5.00	1	11/14/2020 18:55	WG1576438
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/14/2020 18:55	WG1576438
Methyl tert-butyl ether	190		0.101	1.00	1	11/14/2020 18:55	WG1576438
Styrene	U		0.118	1.00	1	11/14/2020 18:55	WG1576438
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/14/2020 18:55	WG1576438
Tetrachloroethene	U		0.300	1.00	1	11/14/2020 18:55	WG1576438
Toluene	0.552	J	0.278	1.00	1	11/14/2020 18:55	WG1576438
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	11/14/2020 18:55	WG1576438
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/14/2020 18:55	WG1576438
1,1,1-Trichloroethane	U		0.149	1.00	1	11/14/2020 18:55	WG1576438
1,1,2-Trichloroethane	U		0.158	1.00	1	11/14/2020 18:55	WG1576438
Trichloroethene	0.290	J	0.190	1.00	1	11/14/2020 18:55	WG1576438
Trichlorofluoromethane	U		0.160	5.00	1	11/14/2020 18:55	WG1576438
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/14/2020 18:55	WG1576438
Vinyl chloride	6.16		0.234	1.00	1	11/14/2020 18:55	WG1576438

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	3.95		0.174	3.00	1	11/14/2020 18:55	WG1576438
(S) Toluene-d8	*103*			*80.0-120*		*11/14/2020 18:55*	WG1576438
(S) 4-Bromofluorobenzene	*98.8*			*77.0-126*		*11/14/2020 18:55*	WG1576438
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*11/14/2020 18:55*	WG1576438

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U	T8	15.0	50.0	1	11/13/2020 07:11	WG1574199

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	U		8450	20000	1	11/16/2020 13:48	WG1576188

Sample Narrative:
L1282577-08 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	U	T8	15.0	50.0	1	11/11/2020 19:50	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 11:03	WG1575916

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	T8	20000	1	11/16/2020 13:48	WG1576188

Sample Narrative:
L1282577-08 WG1576188: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/10/2020 13:41	WG1573827

Wet Chemistry by Method 5310 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
DOC	379	B J	106	1000	1	11/06/2020 16:12	WG1572173

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	U		379	1000	1	11/06/2020 15:22	WG1572327
Sulfate	U		594	5000	1	11/06/2020 15:22	WG1572327

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	336	B J	102	1000	1	11/13/2020 04:51	WG1575346

Metals (ICP) by Method 6010C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	U		18.0	100	1	11/13/2020 07:11	WG1574199
Manganese	U		0.934	10.0	1	11/13/2020 07:11	WG1574199
Sodium	U		504	3000	1	11/13/2020 07:11	WG1574199

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	U		2.91	10.0	1	11/12/2020 08:17	WG1574946
Ethane	U		4.07	13.0	1	11/12/2020 08:17	WG1574946
Ethene	U		4.26	13.0	1	11/12/2020 08:17	WG1574946

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	11/14/2020 19:16	WG1576438
Benzene	U		0.0941	1.00	1	11/14/2020 19:16	WG1576438
Bromochloromethane	U		0.128	1.00	1	11/14/2020 19:16	WG1576438
Bromodichloromethane	U		0.136	1.00	1	11/14/2020 19:16	WG1576438
Bromoform	U	C3 J4	0.129	1.00	1	11/14/2020 19:16	WG1576438
Bromomethane	U		0.605	5.00	1	11/14/2020 19:16	WG1576438
Carbon disulfide	U		0.0962	1.00	1	11/14/2020 19:16	WG1576438
Carbon tetrachloride	U	C3	0.128	1.00	1	11/14/2020 19:16	WG1576438
Chlorobenzene	U		0.116	1.00	1	11/14/2020 19:16	WG1576438
Chlorodibromomethane	U		0.140	1.00	1	11/14/2020 19:16	WG1576438
Chloroethane	U		0.192	5.00	1	11/14/2020 19:16	WG1576438
Chloroform	U		0.111	5.00	1	11/14/2020 19:16	WG1576438
Chloromethane	U		0.960	2.50	1	11/14/2020 19:16	WG1576438
Cyclohexane	U		0.188	1.00	1	11/14/2020 19:16	WG1576438
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/14/2020 19:16	WG1576438
1,2-Dibromoethane	U		0.126	1.00	1	11/14/2020 19:16	WG1576438
1,2-Dichlorobenzene	U		0.107	1.00	1	11/14/2020 19:16	WG1576438
1,3-Dichlorobenzene	U		0.110	1.00	1	11/14/2020 19:16	WG1576438
1,4-Dichlorobenzene	U		0.120	1.00	1	11/14/2020 19:16	WG1576438
Dichlorodifluoromethane	U		0.374	5.00	1	11/14/2020 19:16	WG1576438
1,1-Dichloroethane	U		0.100	1.00	1	11/14/2020 19:16	WG1576438
1,2-Dichloroethane	U		0.0819	1.00	1	11/14/2020 19:16	WG1576438
1,1-Dichloroethene	U		0.188	1.00	1	11/14/2020 19:16	WG1576438
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/14/2020 19:16	WG1576438
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/14/2020 19:16	WG1576438
1,2-Dichloropropane	U		0.149	1.00	1	11/14/2020 19:16	WG1576438
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/14/2020 19:16	WG1576438
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/14/2020 19:16	WG1576438
Ethylbenzene	U		0.137	1.00	1	11/14/2020 19:16	WG1576438
2-Hexanone	U		0.787	10.0	1	11/14/2020 19:16	WG1576438
Isopropylbenzene	U		0.105	1.00	1	11/14/2020 19:16	WG1576438
2-Butanone (MEK)	U		1.19	10.0	1	11/14/2020 19:16	WG1576438
Methyl Acetate	U		1.29	20.0	1	11/14/2020 19:16	WG1576438
Methyl Cyclohexane	U		0.660	1.00	1	11/14/2020 19:16	WG1576438
Methylene Chloride	U		0.430	5.00	1	11/14/2020 19:16	WG1576438
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/14/2020 19:16	WG1576438
Methyl tert-butyl ether	U		0.101	1.00	1	11/14/2020 19:16	WG1576438
Styrene	U		0.118	1.00	1	11/14/2020 19:16	WG1576438
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/14/2020 19:16	WG1576438
Tetrachloroethene	U		0.300	1.00	1	11/14/2020 19:16	WG1576438
Toluene	U		0.278	1.00	1	11/14/2020 19:16	WG1576438

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	11/14/2020 19:16	WG1576438
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/14/2020 19:16	WG1576438
1,1,1-Trichloroethane	U		0.149	1.00	1	11/14/2020 19:16	WG1576438
1,1,2-Trichloroethane	U		0.158	1.00	1	11/14/2020 19:16	WG1576438
Trichloroethene	U		0.190	1.00	1	11/14/2020 19:16	WG1576438
Trichlorofluoromethane	U		0.160	5.00	1	11/14/2020 19:16	WG1576438
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/14/2020 19:16	WG1576438
Vinyl chloride	U		0.234	1.00	1	11/14/2020 19:16	WG1576438
Xylenes, Total	U		0.174	3.00	1	11/14/2020 19:16	WG1576438
(S) Toluene-d8	*103*			*80.0-120*		*11/14/2020 19:16*	WG1576438
(S) 4-Bromofluorobenzene	*94.5*			*77.0-126*		*11/14/2020 19:16*	WG1576438
(S) 1,2-Dichloroethane-d4	*91.0*			*70.0-130*		*11/14/2020 19:16*	WG1576438

Method Blank (MB)

(MB) R3593569-1 11/16/20 11:07

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1282488-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1282488-01 11/16/20 11:17 • (DUP) R3593569-3 11/16/20 11:26

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	171000	173000	1	1.53		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1282577-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1282577-03 11/16/20 12:59 • (DUP) R3593569-6 11/16/20 13:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	692000	694000	1	0.245		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3593569-5 11/16/20 12:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	98300	98.3	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3592054-1 11/11/20 19:42

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

L1282573-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1282573-03 11/11/20 19:43 • (DUP) R3592054-3 11/11/20 19:44

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ferrous Iron	618	634	1	2.56		20

L1283083-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-03 11/11/20 19:50 • (DUP) R3592054-6 11/11/20 19:51

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ferrous Iron	1050	1050	1	0.0955		20

Laboratory Control Sample (LCS)

(LCS) R3592054-2 11/11/20 19:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ferrous Iron	1000	936	93.6	85.0-115	

L1282573-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1282573-04 11/11/20 19:44 • (MS) R3592054-4 11/11/20 19:45 • (MSD) R3592054-5 11/11/20 19:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ferrous Iron	1000	619	1560	1590	94.2	96.9	1	80.0-120			1.71	20

Method Blank (MB)

(MB) R3594373-1 11/18/20 10:38

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

L1282530-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1282530-01 11/18/20 10:42 • (DUP) R3594373-3 11/18/20 10:43

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	805	821	1	1.97		20

L1282577-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1282577-07 11/18/20 11:01 • (DUP) R3594373-6 11/18/20 11:02

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

Laboratory Control Sample (LCS)

(LCS) R3594373-2 11/18/20 10:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2500	2730	109	90.0-110	

L1282530-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1282530-02 11/18/20 10:44 • (MS) R3594373-4 11/18/20 10:46 • (MSD) R3594373-5 11/18/20 10:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2500	887	3740	3540	114	106	1	90.0-110	J5		5.49	20

L1282577-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1282577-08 11/18/20 11:03 • (MS) R3594373-7 11/18/20 11:05

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2500	U	2680	107	1	90.0-110	

Method Blank (MB)

(MB) R3593569-2 11/16/20 11:07

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1282488-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1282488-01 11/16/20 11:17 • (DUP) R3593569-4 11/16/20 11:26

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

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1282577-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1282577-03 11/16/20 12:59 • (DUP) R3593569-7 11/16/20 13:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	26300	25100	1	4.52		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R3591452-1 11/10/20 13:27

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

L1282573-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1282573-03 11/10/20 13:29 • (DUP) R3591452-3 11/10/20 13:29

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

L1282873-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1282873-03 11/10/20 13:42 • (DUP) R3591452-6 11/10/20 13:42

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

Laboratory Control Sample (LCS)

(LCS) R3591452-2 11/10/20 13:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfide	500	561	112	85.0-115	

L1282573-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1282573-04 11/10/20 13:29 • (MS) R3591452-4 11/10/20 13:30 • (MSD) R3591452-5 11/10/20 13:30

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 %
Sulfide	1000	U	938	954	93.8	95.4	1	80.0-120			1.69	20

Method Blank (MB)

(MB) R3590475-1 11/06/20 10:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
DOC	465	J	106	1000

L1281675-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1281675-01 11/06/20 11:48 • (DUP) R3590475-4 11/06/20 12:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
DOC	28500	28500	1	0.0351		20

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

(LCS) R3590475-2 11/06/20 10:44 • (LCSD) R3590475-3 11/06/20 11:00

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 %
DOC	75000	74000	74700	98.7	99.6	85.0-115			0.914	20

L1282052-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1282052-01 11/06/20 12:14 • (MS) R3590475-5 11/06/20 12:30 • (MSD) R3590475-6 11/06/20 12:46

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 %
DOC	50000	2030	47800	46100	91.6	88.0	1	80.0-120			3.75	20

Method Blank (MB)

(MB) R3590562-1 11/06/20 09:56

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

L1282577-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1282577-08 11/06/20 15:22 • (DUP) R3590562-3 11/06/20 15:36

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

L1278371-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1278371-02 11/06/20 22:11 • (DUP) R3590562-4 11/06/20 22:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	89400	89500	1	0.157		15
Sulfate	5880	5890	1	0.157		15

Laboratory Control Sample (LCS)

(LCS) R3590562-2 11/06/20 10:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Chloride	40000	39300	98.2	80.0-120	
Sulfate	40000	40000	100	80.0-120	

L1282849-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1282849-01 11/06/20 23:12 • (MS) R3590562-5 11/06/20 23:27

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Chloride	50000	41500	88800	94.7	1	80.0-120	
Sulfate	50000	73300	117000	88.2	1	80.0-120	E

L1281047-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1281047-01 11/07/20 00:29 • (MS) R3590562-6 11/07/20 00:45 • (MSD) R3590562-7 11/07/20 01:00

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	41300	89200	90000	95.6	97.4	1	80.0-120			0.990	15
Sulfate	50000	18500	67200	68100	97.4	99.2	1	80.0-120			1.33	15

Method Blank (MB)

(MB) R3592637-1 11/12/20 20:52

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	185	J	102	1000

L1282565-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1282565-01 11/13/20 00:29 • (DUP) R3592637-7 11/13/20 00:40

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	2170	2090	1	3.76		20

L1282577-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1282577-02 11/13/20 03:06 • (DUP) R3592637-8 11/13/20 03:28

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	7270	7360	1	1.30		20

Laboratory Control Sample (LCS)

(LCS) R3592637-2 11/12/20 21:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	75700	101	85.0-115	

L1282470-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1282470-01 11/12/20 21:33 • (MS) R3592637-3 11/12/20 21:47 • (MSD) R3592637-4 11/12/20 22:00

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	6420	54900	56800	96.9	101	1	80.0-120			3.51	20

L1282473-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1282473-01 11/12/20 22:13 • (MS) R3592637-5 11/12/20 22:27 • (MSD) R3592637-6 11/12/20 22:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	8250	57500	56300	98.5	96.1	1	80.0-120			2.11	20

Method Blank (MB)

(MB) R3592336-1 11/12/20 08:20

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

Laboratory Control Sample (LCS)

(LCS) R3592336-2 11/12/20 08:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	10000	9930	99.3	80.0-120	
Manganese	1000	979	97.9	80.0-120	
Sodium	10000	10100	101	80.0-120	

L1282505-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1282505-01 11/12/20 08:26 • (MS) R3592336-4 11/12/20 08:31 • (MSD) R3592336-5 11/12/20 08:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	10000	191	10000	10000	98.1	98.6	1	75.0-125			0.497	20
Manganese	1000	3.57	971	975	96.7	97.2	1	75.0-125			0.487	20
Sodium	10000	132000	138000	139000	63.8	67.8	1	75.0-125	V	V	0.292	20

Method Blank (MB)

(MB) R3592662-1 11/13/20 06:36

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) R3592662-2 11/13/20 06:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	9650	96.5	80.0-120	
Manganese	1000	967	96.7	80.0-120	
Sodium	10000	9810	98.1	80.0-120	

L1282830-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1282830-07 11/13/20 06:41 • (MS) R3592662-3 11/13/20 06:48 • (MSD) R3592662-4 11/13/20 06:51

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	6020	14600	13900	85.4	78.5	1	75.0-125			4.88	20
Manganese	1000	1850	2750	2750	89.3	89.4	1	75.0-125			0.0621	20
Sodium	10000	10500	19800	20000	93.5	95.1	1	75.0-125			0.780	20

Method Blank (MB)

(MB) R3592189-2 11/12/20 07:16

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

L1284109-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1284109-01 11/12/20 07:34 • (DUP) R3592189-3 11/12/20 07:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	185	182	1	1.63		20
Ethane	U	U	1	0.000		20
Ethene	5.47	4.56	1	18.1	J	20

L1282887-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1282887-23 11/12/20 07:19 • (DUP) R3592189-4 11/12/20 07:56

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

L1282577-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1282577-05 11/12/20 08:03 • (DUP) R3592189-5 11/12/20 09:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	2010	2040	1	1.48		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) R3592189-1 11/12/20 07:02 • (LCSD) R3592189-6 11/12/20 09:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	70.4	65.6	104	96.8	85.0-115			7.06	20
Ethane	129	131	129	102	100	85.0-115			1.54	20
Ethene	127	129	127	102	100	85.0-115			1.56	20

Method Blank (MB)

(MB) R3593632-2 11/14/20 17:13

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

Method Blank (MB)

(MB) R3593632-2 11/14/20 17:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Toluene	U		0.278	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*90.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3593632-1 11/14/20 16:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	22.3	89.2	19.0-160	
Benzene	5.00	5.46	109	70.0-123	
Bromodichloromethane	5.00	4.61	92.2	75.0-120	
Bromochloromethane	5.00	5.44	109	76.0-122	
Bromoform	5.00	3.32	66.4	68.0-132	J4
Bromomethane	5.00	4.05	81.0	10.0-160	
Carbon disulfide	5.00	5.50	110	61.0-128	
Carbon tetrachloride	5.00	3.73	74.6	68.0-126	
Chlorobenzene	5.00	4.93	98.6	80.0-121	
Chlorodibromomethane	5.00	4.18	83.6	77.0-125	
Chloroethane	5.00	4.73	94.6	47.0-150	
Chloroform	5.00	5.00	100	73.0-120	
Chloromethane	5.00	4.23	84.6	41.0-142	
Cyclohexane	5.00	5.01	100	71.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.09	81.8	58.0-134	
1,2-Dibromoethane	5.00	4.97	99.4	80.0-122	
1,2-Dichlorobenzene	5.00	4.91	98.2	79.0-121	
1,3-Dichlorobenzene	5.00	4.95	99.0	79.0-120	
1,4-Dichlorobenzene	5.00	5.03	101	79.0-120	
Dichlorodifluoromethane	5.00	6.40	128	51.0-149	

Laboratory Control Sample (LCS)

(LCS) R3593632-1 11/14/20 16:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1-Dichloroethane	5.00	5.68	114	70.0-126	
1,2-Dichloroethane	5.00	5.10	102	70.0-128	
1,1-Dichloroethene	5.00	5.25	105	71.0-124	
cis-1,2-Dichloroethene	5.00	4.99	99.8	73.0-120	
trans-1,2-Dichloroethene	5.00	5.09	102	73.0-120	
1,2-Dichloropropane	5.00	5.66	113	77.0-125	
cis-1,3-Dichloropropene	5.00	4.51	90.2	80.0-123	
trans-1,3-Dichloropropene	5.00	4.19	83.8	78.0-124	
Ethylbenzene	5.00	4.93	98.6	79.0-123	
2-Hexanone	25.0	27.1	108	67.0-149	
Isopropylbenzene	5.00	4.59	91.8	76.0-127	
2-Butanone (MEK)	25.0	29.1	116	44.0-160	
Methyl Acetate	25.0	35.1	140	57.0-148	
Methyl Cyclohexane	5.00	4.81	96.2	68.0-126	
Methylene Chloride	5.00	5.31	106	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	28.6	114	68.0-142	
Methyl tert-butyl ether	5.00	5.08	102	68.0-125	
Styrene	5.00	4.72	94.4	73.0-130	
1,1,2,2-Tetrachloroethane	5.00	5.60	112	65.0-130	
Tetrachloroethene	5.00	4.78	95.6	72.0-132	
Toluene	5.00	5.22	104	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	5.10	102	69.0-132	
1,2,3-Trichlorobenzene	5.00	3.87	77.4	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.26	85.2	57.0-137	
1,1,1-Trichloroethane	5.00	4.78	95.6	73.0-124	
1,1,2-Trichloroethane	5.00	5.26	105	80.0-120	
Trichloroethene	5.00	5.06	101	78.0-124	
Trichlorofluoromethane	5.00	4.56	91.2	59.0-147	
Vinyl chloride	5.00	5.43	109	67.0-131	
Xylenes, Total	15.0	14.3	95.3	79.0-123	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*96.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*96.3*	*70.0-130*	

Method Blank (MB)

(MB) R3593924-2 11/17/20 01:29

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

Method Blank (MB)

(MB) R3593924-2 11/17/20 01:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Toluene	U		0.278	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
1,2,3-Trichlorobenzene	0.397	J	0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*91.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3593924-1 11/17/20 00:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	18.4	73.6	19.0-160	
Benzene	5.00	5.14	103	70.0-123	
Bromodichloromethane	5.00	4.65	93.0	75.0-120	
Bromochloromethane	5.00	4.65	93.0	76.0-122	
Bromoform	5.00	4.07	81.4	68.0-132	
Bromomethane	5.00	5.62	112	10.0-160	
Carbon disulfide	5.00	5.29	106	61.0-128	
Carbon tetrachloride	5.00	5.61	112	68.0-126	
Chlorobenzene	5.00	4.83	96.6	80.0-121	
Chlorodibromomethane	5.00	4.20	84.0	77.0-125	
Chloroethane	5.00	5.21	104	47.0-150	
Chloroform	5.00	4.93	98.6	73.0-120	
Chloromethane	5.00	5.93	119	41.0-142	
Cyclohexane	5.00	5.55	111	71.0-124	
1,2-Dibromo-3-Chloropropane	5.00	3.82	76.4	58.0-134	
1,2-Dibromoethane	5.00	4.28	85.6	80.0-122	
1,2-Dichlorobenzene	5.00	5.06	101	79.0-121	
1,3-Dichlorobenzene	5.00	5.08	102	79.0-120	
1,4-Dichlorobenzene	5.00	4.99	99.8	79.0-120	
Dichlorodifluoromethane	5.00	5.61	112	51.0-149	

Laboratory Control Sample (LCS)

(LCS) R3593924-1 11/17/20 00:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1-Dichloroethane	5.00	5.20	104	70.0-126	
1,2-Dichloroethane	5.00	4.60	92.0	70.0-128	
1,1-Dichloroethene	5.00	5.37	107	71.0-124	
cis-1,2-Dichloroethene	5.00	4.73	94.6	73.0-120	
trans-1,2-Dichloroethene	5.00	5.44	109	73.0-120	
1,2-Dichloropropane	5.00	6.06	121	77.0-125	
cis-1,3-Dichloropropene	5.00	5.03	101	80.0-123	
trans-1,3-Dichloropropene	5.00	4.91	98.2	78.0-124	
Ethylbenzene	5.00	4.87	97.4	79.0-123	
2-Hexanone	25.0	23.0	92.0	67.0-149	
Isopropylbenzene	5.00	4.82	96.4	76.0-127	
2-Butanone (MEK)	25.0	21.2	84.8	44.0-160	
Methyl Acetate	25.0	24.3	97.2	57.0-148	
Methyl Cyclohexane	5.00	5.08	102	68.0-126	
Methylene Chloride	5.00	5.28	106	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	22.6	90.4	68.0-142	
Methyl tert-butyl ether	5.00	4.82	96.4	68.0-125	
Styrene	5.00	4.63	92.6	73.0-130	
1,1,2,2-Tetrachloroethane	5.00	6.23	125	65.0-130	
Tetrachloroethene	5.00	4.72	94.4	72.0-132	
Toluene	5.00	4.77	95.4	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	5.60	112	69.0-132	
1,2,3-Trichlorobenzene	5.00	4.84	96.8	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.92	98.4	57.0-137	
1,1,1-Trichloroethane	5.00	5.28	106	73.0-124	
1,1,2-Trichloroethane	5.00	4.05	81.0	80.0-120	
Trichloroethene	5.00	4.99	99.8	78.0-124	
Trichlorofluoromethane	5.00	5.56	111	59.0-147	
Vinyl chloride	5.00	5.37	107	67.0-131	
Xylenes, Total	15.0	14.9	99.3	79.0-123	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*85.7*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*99.1*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
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.
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.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* 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 National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
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	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

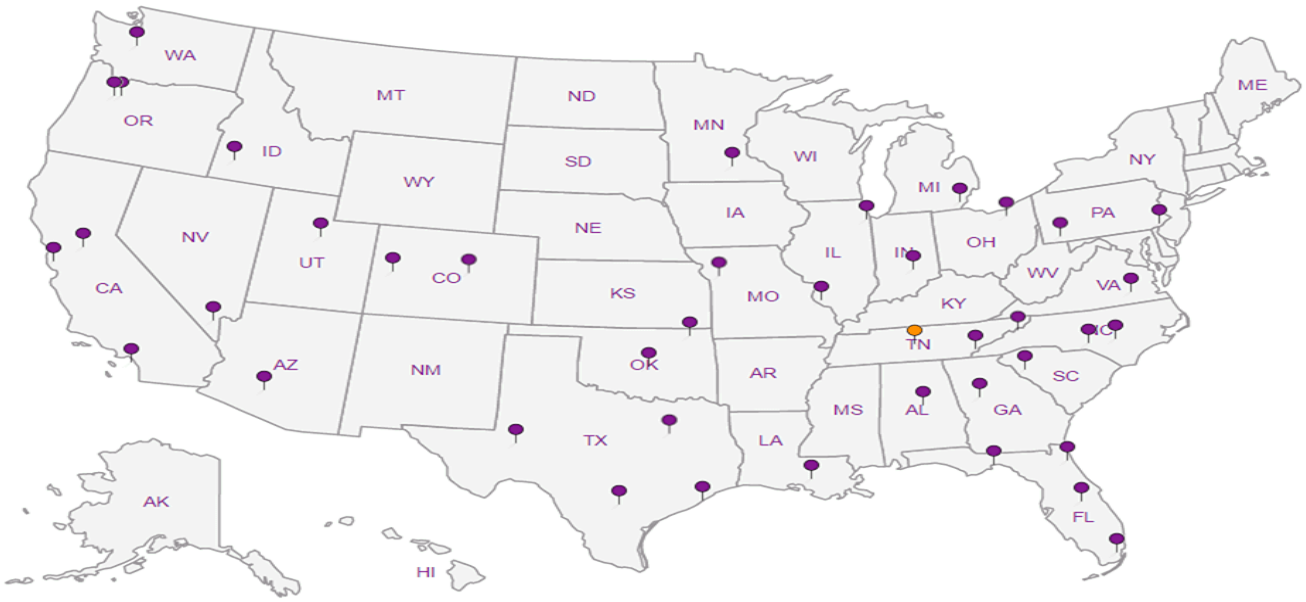
Third Party Federal Accreditations

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Chain of Custody Page 2 of 3

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Arcadis - Chevron - NY

27-01 Queens Plaza North
Suite 800
New York City, NY 11101

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

Pres Chk

Report to: Loretta Kwong

Email To: loretta.kwong@arcadis.com;renee.parisi@arcad

Project Description: Oceanside 6518040

City/State Collected: Oceanside, NY

Please Circle: PT MT CT ET

Phone: 718-446-0116

Client Project # 30044997.3722

Lab Project # CHEVARCNY-6518040

Collected by (print): M. Mansilla

Site/Facility ID # 6518040

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

SDG # L1282577

Table #

Acctnum: CHEVARCNY

Template: T168700

Prelogin: P807975

PM: 526 - Chris McCord

PB: CB 11/2/2020

Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*ALK,NO3,NO2,Cl,SO4* 250mlHDPE NoPres	DOC 250mlHDPE-NoPres	FEICP,MNICP 250mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-27-D2-W-		GW												
MW-28-D2R-W-		GW												
MW-24-D2-W-		GW												
MW-24-VDR-W-		GW												
AMW-15-VD-W-201104	G	GW		11-4-20	2310	8	X	X	X	X	X	X		-01
AMW-7R-W-		GW												
AMW-14-VD-W-201105	G	GW		11-5-20	0025	8	X	X	X	X	X	X		-02
AMW-14-D2-W-201105	G	GW		11-5-20	0010	8	X	X	X	X	X	X		-03
MW-28-D1-W-		GW												
MW-26-D2-W-		GW												

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

Remarks: NO3 and NO2 have a 48hr hold time.
DOC needs to be filtered and preserved within 48hrs.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS (FedEx) __ Courier _____

Tracking # 9343 1590 7876

Sample Receipt Checklist

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

	Date:	Time:		
Relinquished by: (Signature) Max Mansilla	11-5-20	1710	Received by: (Signature)	Trip Blank Received: (Yes) No HCL / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 3.6-1=3.5 CB Bottles Received: 64
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 11/6/20 Time: 700

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Chain of Custody Page 1 of 3

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
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Phone: 800-767-5859
Fax: 615-758-5859

Arcadis - Chevron - NY

27-01 Queens Plaza North
Suite 800
New York City, NY 11101

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

Pres Chk

Report to: Loretta Kwong

Email To: loretta.kwong@arcadis.com;renee.parisi@arcad

Project Description: Oceanside 6518040

City/State Collected: Oceanside, NY

Please Circle: PT MT CT ET

Phone: 718-446-0116

Client Project # 30044997.3722

Lab Project # CHEVARCNY-6518040

Collected by (print): M. Mansilla

Site/Facility ID # 6518040

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

SDG # 4282577

Table B069

Acctnum: CHEVARCNY

Template: T168700

Prelogin: P807975

PM: 526 - Chris McCord

PB: 11/2/2020

Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*ALK,NO3,NO2,Cl,SO4* 250mlHDPE NoPres	DOC 250mlHDPE-NoPres	FEICP,MNICP 250mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-23-D2R-W-		GW												
AMW-15-D2-W-201104	G	GW		11-4-20	2340	8	X	X	X	X	X	X		-04
AMW-15-D3-W-201104	G	GW		11-4-20	2253	8	X	X	X	X	X	X		-05
MW-23-D1R-W-		GW												
AMW-15-D1-W-201104	G	GW		11-4-20	2325	8	X	X	X	X	X	X		-06
MW-27-D1R-W-		GW												
MW-26-D1-W-		GW												
MW-29-D1-W-		GW												
AMW-14-D1-W-201104	G	GW		11-4-20	2355	8	X	X	X	X	X	X		-07
MW-24-D1R-W-		GW												

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

Remarks: NO3 and NO2 have a 48hr hold time.
DOC needs to be filtered and preserved within 48hrs.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 7348 1592 7926

Sample Receipt Checklist

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

Relinquished by: (Signature) Max Mansilla	Date: 11-5-20	Time: 1710	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 3.6-1-3 5 AS CK	Bottles Received: 54
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/6/20	Time:

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Arcadis - Chevron - NY

27-01 Queens Plaza North
Suite 800
New York City, NY 11101

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

Pres Chk

Report to: Loretta Kwong

Email To: loretta.kwong@arcadis.com;renee.parisi@arcad

Project Description: Oceanside 6518040

City/State Collected: Oceanside, NY

Please Circle: PT MT CT ET

Phone: 718-446-0116

Client Project # 30044997.3722

Lab Project # CHEVARCNY-6518040

Collected by (print): M. Mansilla

Site/Facility ID # 6518040

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*ALK,NO3,NO2,Cl,SO4* 250mlHDPE NoPres	DOC 250mlHDPE-NoPres	FEICP,MNICP 250mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	Remarks	Sample # (lab only)
~~MW-18R-W-~~		GW												
~~BD-W-201105~~ FB-W-201105	6	GW		11-5-20	0050	8	X	X	X	X	X	X		-08
~~FB-W-~~		GW												
~~FB-W-~~		GW												
~~FB-W-~~		GW												
		GW												
		GW												

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1282577

Table #

Acctnum: CHEVARCNY

Template: T168700

Prelogin: P807975

PM: 526 - Chris McCord

PB: CS 11/2/2020

Shipped Via: FedEX Ground

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

Remarks: NO3 and NO2 have a 48hr hold time.
DOC needs to be filtered and preserved within 48hrs.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEX __ Courier _____

Tracking # 7348 1511 7876

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Maya Mansilla	11-5-20	1710	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C 3.6-1.3=2.3 CR

Bottles Received: 04

Date: 11/5/20 Time: 1700

If preservation required by Login: Date/Time

Hold:

Condition: NCF (OK)

L1282577 *CHEVARCNY*

R5

Please add Sulfide and RSK175 to L1282577-01 thru -08. Relabel 1 of the VOC vials for RSK175 and preserve the DOC container for Sulfide and qualify as needed.

Thanks.

Christopher McCord
Project Manager II | National
Pace Analytical - National
12065 Lebanon Road | Mt. Juliet, TN 37122
o.615.773.3281 | c.615.504.3183 | pacenational.com<http://pacenational.com/>

[cid:image002.png@01D6B67C.DBC57880]

Please note that email addresses for staff at the Pace Analytical National Center for Testing & Innovation have changed. My new email address is chris.mccord@pacelabs.com<mailto:chris.mccord@pacelabs.com>. Please update your records accordingly.

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

Members

Christopher McCord (responsible)

Comments

Andy Vann *9 November 2020 10:33*

Done

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

November 19, 2020

Arcadis - Chevron - NY

Sample Delivery Group:	L1283083
Samples Received:	11/07/2020
Project Number:	30044997.3722
Description:	Oceanside 6518040
Site:	6518040
Report To:	Loretta Kwong 27-01 Queens Plaza North Suite 800 New York City, NY 11101

Entire Report Reviewed By:

Chris McCord
Project Manager

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

TABLE OF CONTENTS

MW-27-D2-W-2001106 L1283083-01 GW

Collected by: MM/BS | Collected date/time: 11/06/20 00:35 | Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 16:56	11/16/20 16:56	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577668	1	11/17/20 22:16	11/17/20 22:16	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	25	11/11/20 19:50	11/11/20 19:50	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:05	11/18/20 15:05	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577668	1	11/17/20 22:16	11/17/20 22:16	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:34	11/12/20 18:34	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	100	11/08/20 00:33	11/08/20 00:33	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576667	1	11/15/20 14:01	11/15/20 14:01	VRP	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 16:56	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	5	11/15/20 10:00	11/17/20 00:29	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574953	1	11/12/20 13:27	11/12/20 13:27	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	1	11/13/20 19:14	11/13/20 19:14	ADM	Mt. Juliet, TN

MW-28-D2R-W-2001106 L1283083-02 GW

Collected by: MM/BS | Collected date/time: 11/06/20 02:30 | Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:08	11/16/20 17:08	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577668	1	11/17/20 22:23	11/17/20 22:23	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	25	11/11/20 19:50	11/11/20 19:50	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:07	11/18/20 15:07	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577668	1	11/17/20 22:23	11/17/20 22:23	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:35	11/12/20 18:35	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	100	11/08/20 00:56	11/08/20 00:56	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	1	11/15/20 20:24	11/15/20 20:24	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:08	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	5	11/15/20 10:00	11/17/20 00:32	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574953	1	11/12/20 13:30	11/12/20 13:30	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	1	11/13/20 19:35	11/13/20 19:35	ADM	Mt. Juliet, TN

MW-24-D2-W-2001105 L1283083-03 GW

Collected by: MM/BS | Collected date/time: 11/05/20 22:40 | Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:11	11/16/20 17:11	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577661	1	11/17/20 20:30	11/17/20 20:30	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	1	11/11/20 19:50	11/11/20 19:50	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:11	11/18/20 15:11	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577661	1	11/17/20 20:30	11/17/20 20:30	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:35	11/12/20 18:35	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	1	11/07/20 18:48	11/07/20 18:48	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	10	11/08/20 01:50	11/08/20 01:50	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	2	11/15/20 20:52	11/15/20 20:52	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:11	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574953	1	11/12/20 13:32	11/12/20 13:32	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	1	11/13/20 19:55	11/13/20 19:55	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1577623	5	11/17/20 15:40	11/17/20 15:40	ACG	Mt. Juliet, TN

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

MW-24-VDR-W-2001105 L1283083-04 GW

Collected by: MM/BS | Collected date/time: 11/05/20 23:30 | Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:14	11/16/20 17:14	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577661	1	11/17/20 20:47	11/17/20 20:47	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	25	11/11/20 19:52	11/11/20 19:52	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:12	11/18/20 15:12	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577661	1	11/17/20 20:47	11/17/20 20:47	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:36	11/12/20 18:36	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	100	11/08/20 13:56	11/08/20 13:56	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	500	11/08/20 02:09	11/08/20 02:09	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	2	11/15/20 21:09	11/15/20 21:09	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:14	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	10	11/15/20 10:00	11/17/20 00:35	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574953	1	11/12/20 13:34	11/12/20 13:34	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	1	11/13/20 20:16	11/13/20 20:16	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1577623	1	11/17/20 15:19	11/17/20 15:19	ACG	Mt. Juliet, TN

AMW-7R-W-2001106 L1283083-05 GW

Collected by: MM/BS | Collected date/time: 11/06/20 01:15 | Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:17	11/16/20 17:17	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577668	1	11/17/20 22:30	11/17/20 22:30	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	25	11/11/20 19:52	11/11/20 19:52	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:17	11/18/20 15:17	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577668	1	11/17/20 22:30	11/17/20 22:30	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:36	11/12/20 18:36	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	1	11/07/20 20:53	11/07/20 20:53	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	1	11/15/20 21:24	11/15/20 21:24	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:17	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574953	1	11/12/20 13:37	11/12/20 13:37	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1575539	10	11/12/20 15:08	11/12/20 15:08	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	1	11/13/20 20:36	11/13/20 20:36	ADM	Mt. Juliet, TN

MW-28-D1-W-2001106 L1283083-06 GW

Collected by: MM/BS | Collected date/time: 11/06/20 02:10 | Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:26	11/16/20 17:26	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577668	1	11/17/20 22:38	11/17/20 22:38	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	1	11/11/20 19:52	11/11/20 19:52	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:19	11/18/20 15:19	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577668	1	11/17/20 22:38	11/17/20 22:38	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:36	11/12/20 18:36	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	10	11/08/20 02:27	11/08/20 02:27	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	100	11/08/20 02:46	11/08/20 02:46	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	2	11/15/20 21:39	11/15/20 21:39	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:26	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	5	11/15/20 10:00	11/17/20 00:38	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574953	1	11/12/20 13:40	11/12/20 13:40	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	1	11/13/20 20:56	11/13/20 20:56	ADM	Mt. Juliet, TN

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

MW-23-D2R-W-2001105 L1283083-07 GW

Collected by: MM/BS | Collected date/time: 11/05/20 21:50 | Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:29	11/16/20 17:29	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577661	1	11/17/20 20:54	11/17/20 20:54	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	25	11/11/20 19:52	11/11/20 19:52	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:20	11/18/20 15:20	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577661	1	11/17/20 20:54	11/17/20 20:54	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:36	11/12/20 18:36	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	10	11/08/20 03:04	11/08/20 03:04	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	100	11/08/20 03:23	11/08/20 03:23	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	2	11/15/20 21:52	11/15/20 21:52	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:29	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	5	11/15/20 10:00	11/17/20 00:41	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574953	1	11/12/20 13:42	11/12/20 13:42	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	1	11/13/20 21:17	11/13/20 21:17	ADM	Mt. Juliet, TN

MW-23-D1R-W-2001105 L1283083-08 GW

Collected by: MM/BS | Collected date/time: 11/05/20 22:15 | Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:32	11/16/20 17:32	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577661	1	11/17/20 21:02	11/17/20 21:02	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1574928	25	11/11/20 19:54	11/11/20 19:54	KPS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:21	11/18/20 15:21	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577661	1	11/17/20 21:02	11/17/20 21:02	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:37	11/12/20 18:37	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	10	11/08/20 03:41	11/08/20 03:41	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	100	11/08/20 03:59	11/08/20 03:59	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	2	11/15/20 23:00	11/15/20 23:00	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:32	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	5	11/15/20 10:00	11/17/20 00:44	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574953	1	11/12/20 13:52	11/12/20 13:52	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	1	11/13/20 21:37	11/13/20 21:37	ADM	Mt. Juliet, TN

MW-27-D1R-W-2001106 L1283083-09 GW

Collected by: MM/BS | Collected date/time: 11/06/20 00:50 | Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:35	11/16/20 17:35	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577668	1	11/17/20 22:45	11/17/20 22:45	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1576718	1	11/14/20 20:52	11/14/20 20:52	BJD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:22	11/18/20 15:22	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577668	1	11/17/20 22:45	11/17/20 22:45	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:37	11/12/20 18:37	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	10	11/08/20 04:18	11/08/20 04:18	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	100	11/08/20 04:36	11/08/20 04:36	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	5	11/15/20 23:12	11/15/20 23:12	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:35	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	5	11/15/20 10:00	11/17/20 00:47	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574953	1	11/12/20 13:54	11/12/20 13:54	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	5	11/13/20 23:19	11/13/20 23:19	ADM	Mt. Juliet, TN

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

MW-26-D1-W-2001106 L1283083-10 GW

Collected by: MM/BS | Collected date/time: 11/06/20 00:05 | Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:38	11/16/20 17:38	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577668	1	11/17/20 22:59	11/17/20 22:59	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1576718	1	11/14/20 20:53	11/14/20 20:53	BJD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:24	11/18/20 15:24	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577668	1	11/17/20 22:59	11/17/20 22:59	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:38	11/12/20 18:38	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	10	11/08/20 05:32	11/08/20 05:32	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	100	11/08/20 05:50	11/08/20 05:50	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	2	11/15/20 23:32	11/15/20 23:32	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:38	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	5	11/15/20 10:00	11/17/20 00:50	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1574953	1	11/12/20 13:56	11/12/20 13:56	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	1	11/13/20 21:57	11/13/20 21:57	ADM	Mt. Juliet, TN

MW-29-D1-W-2001106 L1283083-11 GW

Collected by: MM/BS | Collected date/time: 11/06/20 01:45 | Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:41	11/16/20 17:41	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577668	1	11/17/20 23:07	11/17/20 23:07	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1576718	1	11/14/20 20:54	11/14/20 20:54	BJD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:25	11/18/20 15:25	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577668	1	11/17/20 23:07	11/17/20 23:07	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:38	11/12/20 18:38	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	1	11/07/20 22:06	11/07/20 22:06	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	10	11/08/20 06:08	11/08/20 06:08	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	2	11/15/20 23:46	11/15/20 23:46	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:41	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1575595	1	11/13/20 14:55	11/13/20 14:55	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1576276	10	11/14/20 05:21	11/14/20 05:21	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	1	11/13/20 22:18	11/13/20 22:18	ADM	Mt. Juliet, TN

MW-24-D1R-W-2001105 L1283083-12 GW

Collected by: MM/BS | Collected date/time: 11/05/20 23:10 | Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:44	11/16/20 17:44	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577663	1	11/18/20 09:23	11/18/20 09:23	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1576718	1	11/14/20 20:54	11/14/20 20:54	BJD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:27	11/18/20 15:27	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577663	1	11/18/20 09:23	11/18/20 09:23	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:38	11/12/20 18:38	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	10	11/08/20 06:27	11/08/20 06:27	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	100	11/08/20 06:45	11/08/20 06:45	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	5	11/16/20 00:17	11/16/20 00:17	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:44	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	5	11/15/20 10:00	11/17/20 00:58	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1575595	1	11/13/20 14:52	11/13/20 14:52	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1576276	10	11/14/20 05:24	11/14/20 05:24	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	5	11/13/20 23:40	11/13/20 23:40	ADM	Mt. Juliet, TN

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

BD-W-2001105 L1283083-13 GW

Collected by: MM/BS
Collected date/time: 11/05/20 00:00
Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:47	11/16/20 17:47	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577663	1	11/18/20 04:46	11/18/20 04:46	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1576718	1	11/14/20 20:55	11/14/20 20:55	BJD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:34	11/18/20 15:34	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577663	1	11/18/20 04:46	11/18/20 04:46	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:38	11/12/20 18:38	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	10	11/08/20 07:04	11/08/20 07:04	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	100	11/08/20 07:22	11/08/20 07:22	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	5	11/16/20 00:32	11/16/20 00:32	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:47	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	5	11/15/20 10:00	11/17/20 01:01	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1575595	1	11/13/20 14:58	11/13/20 14:58	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1576276	10	11/14/20 05:26	11/14/20 05:26	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	5	11/14/20 00:00	11/14/20 00:00	ADM	Mt. Juliet, TN

FB-W-2001106 L1283083-14 GW

Collected by: MM/BS
Collected date/time: 11/06/20 03:45
Received date/time: 11/07/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1574804	1	11/16/20 17:50	11/16/20 17:50	EL	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1577668	1	11/17/20 23:13	11/17/20 23:13	SL	Mt. Juliet, TN
Wet Chemistry by Method 3500Fe B-2011	WG1576718	1	11/14/20 20:55	11/14/20 20:55	BJD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1577567	1	11/18/20 15:35	11/18/20 15:35	MSP	Mt. Juliet, TN
Wet Chemistry by Method 4500CO2 D-2011	WG1577668	1	11/17/20 23:13	11/17/20 23:13	SL	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG1575218	1	11/12/20 18:39	11/12/20 18:39	LRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1572846	1	11/07/20 23:01	11/07/20 23:01	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG1576669	1	11/16/20 00:45	11/16/20 00:45	MJA	Mt. Juliet, TN
Metals (ICP) by Method 6010C	WG1574804	1	11/15/20 10:00	11/16/20 17:50	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1575595	1	11/13/20 14:45	11/13/20 14:45	DAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1576191	1	11/13/20 18:54	11/13/20 18:54	ADM	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. 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

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U	T8	18.0	100	1	11/16/2020 16:56	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	323000		8450	20000	1	11/17/2020 22:16	WG1577668

Sample Narrative:
L1283083-01 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	12600	T8	375	1250	25	11/11/2020 19:50	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	461		50.0	100	1	11/18/2020 15:05	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	60900	T8	20000	1	11/17/2020 22:16	WG1577668

Sample Narrative:
L1283083-01 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/12/2020 18:34	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	7520000		37900	100000	100	11/08/2020 00:33	WG1572846
Sulfate	1100000		59400	500000	100	11/08/2020 00:33	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6090		102	1000	1	11/15/2020 14:01	WG1576667

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1360		18.0	100	1	11/16/2020 16:56	WG1574804
Manganese	996		0.934	10.0	1	11/16/2020 16:56	WG1574804
Sodium	3260000		2520	15000	5	11/17/2020 00:29	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	408		2.91	10.0	1	11/12/2020 13:27	WG1574953
Ethane	U		4.07	13.0	1	11/12/2020 13:27	WG1574953
Ethene	U		4.26	13.0	1	11/12/2020 13:27	WG1574953

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/13/2020 19:14	WG1576191
Benzene	U		0.0941	1.00	1	11/13/2020 19:14	WG1576191
Bromochloromethane	U		0.128	1.00	1	11/13/2020 19:14	WG1576191
Bromodichloromethane	U		0.136	1.00	1	11/13/2020 19:14	WG1576191
Bromoform	U	C3	0.129	1.00	1	11/13/2020 19:14	WG1576191
Bromomethane	U	C3	0.605	5.00	1	11/13/2020 19:14	WG1576191
Carbon disulfide	U		0.0962	1.00	1	11/13/2020 19:14	WG1576191
Carbon tetrachloride	U		0.128	1.00	1	11/13/2020 19:14	WG1576191
Chlorobenzene	U		0.116	1.00	1	11/13/2020 19:14	WG1576191
Chlorodibromomethane	U		0.140	1.00	1	11/13/2020 19:14	WG1576191
Chloroethane	U		0.192	5.00	1	11/13/2020 19:14	WG1576191
Chloroform	U		0.111	5.00	1	11/13/2020 19:14	WG1576191
Chloromethane	U		0.960	2.50	1	11/13/2020 19:14	WG1576191
Cyclohexane	U		0.188	1.00	1	11/13/2020 19:14	WG1576191
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/13/2020 19:14	WG1576191
1,2-Dibromoethane	U		0.126	1.00	1	11/13/2020 19:14	WG1576191
1,2-Dichlorobenzene	U		0.107	1.00	1	11/13/2020 19:14	WG1576191
1,3-Dichlorobenzene	U		0.110	1.00	1	11/13/2020 19:14	WG1576191
1,4-Dichlorobenzene	U		0.120	1.00	1	11/13/2020 19:14	WG1576191
Dichlorodifluoromethane	U		0.374	5.00	1	11/13/2020 19:14	WG1576191
1,1-Dichloroethane	0.118	J	0.100	1.00	1	11/13/2020 19:14	WG1576191
1,2-Dichloroethane	U		0.0819	1.00	1	11/13/2020 19:14	WG1576191
1,1-Dichloroethene	U		0.188	1.00	1	11/13/2020 19:14	WG1576191
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/13/2020 19:14	WG1576191
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/13/2020 19:14	WG1576191
1,2-Dichloropropane	U		0.149	1.00	1	11/13/2020 19:14	WG1576191
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/13/2020 19:14	WG1576191
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/13/2020 19:14	WG1576191
Ethylbenzene	U		0.137	1.00	1	11/13/2020 19:14	WG1576191
2-Hexanone	U		0.787	10.0	1	11/13/2020 19:14	WG1576191
Isopropylbenzene	U		0.105	1.00	1	11/13/2020 19:14	WG1576191
2-Butanone (MEK)	U		1.19	10.0	1	11/13/2020 19:14	WG1576191
Methyl Acetate	U		1.29	20.0	1	11/13/2020 19:14	WG1576191
Methyl Cyclohexane	U		0.660	1.00	1	11/13/2020 19:14	WG1576191
Methylene Chloride	U		0.430	5.00	1	11/13/2020 19:14	WG1576191
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/13/2020 19:14	WG1576191
Methyl tert-butyl ether	U		0.101	1.00	1	11/13/2020 19:14	WG1576191
Styrene	U		0.118	1.00	1	11/13/2020 19:14	WG1576191
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/13/2020 19:14	WG1576191
Tetrachloroethene	U		0.300	1.00	1	11/13/2020 19:14	WG1576191
Toluene	U		0.278	1.00	1	11/13/2020 19:14	WG1576191
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/13/2020 19:14	WG1576191
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/13/2020 19:14	WG1576191
1,1,1-Trichloroethane	U		0.149	1.00	1	11/13/2020 19:14	WG1576191
1,1,2-Trichloroethane	U		0.158	1.00	1	11/13/2020 19:14	WG1576191
Trichloroethene	U		0.190	1.00	1	11/13/2020 19:14	WG1576191
Trichlorofluoromethane	U		0.160	5.00	1	11/13/2020 19:14	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/13/2020 19:14	WG1576191
Vinyl chloride	U		0.234	1.00	1	11/13/2020 19:14	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.174	3.00	1	11/13/2020 19:14	WG1576191
(S) Toluene-d8	*106*			*80.0-120*		*11/13/2020 19:14*	WG1576191
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*11/13/2020 19:14*	WG1576191
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*		*11/13/2020 19:14*	WG1576191

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U	T8	18.0	100	1	11/16/2020 17:08	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	395000		8450	20000	1	11/17/2020 22:23	WG1577668

Sample Narrative:

L1283083-02 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	8800	T8	375	1250	25	11/11/2020 19:50	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	138		50.0	100	1	11/18/2020 15:07	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	85800	T8	20000	1	11/17/2020 22:23	WG1577668

Sample Narrative:

L1283083-02 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/12/2020 18:35	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	6460000		37900	100000	100	11/08/2020 00:56	WG1572846
Sulfate	618000		59400	500000	100	11/08/2020 00:56	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6560		102	1000	1	11/15/2020 20:24	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5890		18.0	100	1	11/16/2020 17:08	WG1574804
Manganese	370		0.934	10.0	1	11/16/2020 17:08	WG1574804
Sodium	2760000		2520	15000	5	11/17/2020 00:32	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	618		2.91	10.0	1	11/12/2020 13:30	WG1574953
Ethane	U		4.07	13.0	1	11/12/2020 13:30	WG1574953
Ethene	U		4.26	13.0	1	11/12/2020 13:30	WG1574953

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	11/13/2020 19:35	WG1576191
Benzene	U		0.0941	1.00	1	11/13/2020 19:35	WG1576191
Bromochloromethane	U		0.128	1.00	1	11/13/2020 19:35	WG1576191
Bromodichloromethane	U		0.136	1.00	1	11/13/2020 19:35	WG1576191
Bromoform	U	C3	0.129	1.00	1	11/13/2020 19:35	WG1576191
Bromomethane	U	C3	0.605	5.00	1	11/13/2020 19:35	WG1576191
Carbon disulfide	0.424	J	0.0962	1.00	1	11/13/2020 19:35	WG1576191
Carbon tetrachloride	U		0.128	1.00	1	11/13/2020 19:35	WG1576191
Chlorobenzene	U		0.116	1.00	1	11/13/2020 19:35	WG1576191
Chlorodibromomethane	U		0.140	1.00	1	11/13/2020 19:35	WG1576191
Chloroethane	U		0.192	5.00	1	11/13/2020 19:35	WG1576191
Chloroform	U		0.111	5.00	1	11/13/2020 19:35	WG1576191
Chloromethane	U		0.960	2.50	1	11/13/2020 19:35	WG1576191
Cyclohexane	U		0.188	1.00	1	11/13/2020 19:35	WG1576191
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/13/2020 19:35	WG1576191
1,2-Dibromoethane	U		0.126	1.00	1	11/13/2020 19:35	WG1576191
1,2-Dichlorobenzene	0.109	J	0.107	1.00	1	11/13/2020 19:35	WG1576191
1,3-Dichlorobenzene	U		0.110	1.00	1	11/13/2020 19:35	WG1576191
1,4-Dichlorobenzene	U		0.120	1.00	1	11/13/2020 19:35	WG1576191
Dichlorodifluoromethane	U		0.374	5.00	1	11/13/2020 19:35	WG1576191
1,1-Dichloroethane	0.342	J	0.100	1.00	1	11/13/2020 19:35	WG1576191
1,2-Dichloroethane	U		0.0819	1.00	1	11/13/2020 19:35	WG1576191
1,1-Dichloroethene	U		0.188	1.00	1	11/13/2020 19:35	WG1576191
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/13/2020 19:35	WG1576191
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/13/2020 19:35	WG1576191
1,2-Dichloropropane	U		0.149	1.00	1	11/13/2020 19:35	WG1576191
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/13/2020 19:35	WG1576191
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/13/2020 19:35	WG1576191
Ethylbenzene	U		0.137	1.00	1	11/13/2020 19:35	WG1576191
2-Hexanone	U		0.787	10.0	1	11/13/2020 19:35	WG1576191
Isopropylbenzene	U		0.105	1.00	1	11/13/2020 19:35	WG1576191
2-Butanone (MEK)	U		1.19	10.0	1	11/13/2020 19:35	WG1576191
Methyl Acetate	U		1.29	20.0	1	11/13/2020 19:35	WG1576191
Methyl Cyclohexane	U		0.660	1.00	1	11/13/2020 19:35	WG1576191
Methylene Chloride	U		0.430	5.00	1	11/13/2020 19:35	WG1576191
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/13/2020 19:35	WG1576191
Methyl tert-butyl ether	0.108	J	0.101	1.00	1	11/13/2020 19:35	WG1576191
Styrene	U		0.118	1.00	1	11/13/2020 19:35	WG1576191
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/13/2020 19:35	WG1576191
Tetrachloroethene	U		0.300	1.00	1	11/13/2020 19:35	WG1576191
Toluene	U		0.278	1.00	1	11/13/2020 19:35	WG1576191
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/13/2020 19:35	WG1576191
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/13/2020 19:35	WG1576191
1,1,1-Trichloroethane	U		0.149	1.00	1	11/13/2020 19:35	WG1576191
1,1,2-Trichloroethane	U		0.158	1.00	1	11/13/2020 19:35	WG1576191
Trichloroethene	U		0.190	1.00	1	11/13/2020 19:35	WG1576191
Trichlorofluoromethane	U		0.160	5.00	1	11/13/2020 19:35	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/13/2020 19:35	WG1576191
Vinyl chloride	U		0.234	1.00	1	11/13/2020 19:35	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.174	3.00	1	11/13/2020 19:35	WG1576191
(S) Toluene-d8	*107*			*80.0-120*		*11/13/2020 19:35*	WG1576191
(S) 4-Bromofluorobenzene	*98.0*			*77.0-126*		*11/13/2020 19:35*	WG1576191
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*11/13/2020 19:35*	WG1576191

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U	T8	15.0	50.0	1	11/16/2020 17:11	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	241000		8450	20000	1	11/17/2020 20:30	WG1577661

Sample Narrative:
L1283083-03 WG1577661: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	1050	T8	15.0	50.0	1	11/11/2020 19:50	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 15:11	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	J T8	20000	1	11/17/2020 20:30	WG1577661

Sample Narrative:
L1283083-03 WG1577661: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/12/2020 18:35	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	724000		3790	10000	10	11/08/2020 01:50	WG1572846
Sulfate	85500		594	5000	1	11/07/2020 18:48	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	19200		204	2000	2	11/15/2020 20:52	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	491		18.0	100	1	11/16/2020 17:11	WG1574804
Manganese	36.4		0.934	10.0	1	11/16/2020 17:11	WG1574804
Sodium	819000		504	3000	1	11/16/2020 17:11	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5720		2.91	10.0	1	11/12/2020 13:32	WG1574953
Ethane	57.4		4.07	13.0	1	11/12/2020 13:32	WG1574953
Ethene	U		4.26	13.0	1	11/12/2020 13:32	WG1574953

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/13/2020 19:55	WG1576191
Benzene	0.581	J	0.0941	1.00	1	11/13/2020 19:55	WG1576191
Bromochloromethane	U		0.128	1.00	1	11/13/2020 19:55	WG1576191
Bromodichloromethane	U		0.136	1.00	1	11/13/2020 19:55	WG1576191
Bromoform	U	C3	0.129	1.00	1	11/13/2020 19:55	WG1576191
Bromomethane	U	C3	0.605	5.00	1	11/13/2020 19:55	WG1576191
Carbon disulfide	0.931	J	0.0962	1.00	1	11/13/2020 19:55	WG1576191
Carbon tetrachloride	U		0.128	1.00	1	11/13/2020 19:55	WG1576191
Chlorobenzene	U		0.116	1.00	1	11/13/2020 19:55	WG1576191
Chlorodibromomethane	U		0.140	1.00	1	11/13/2020 19:55	WG1576191
Chloroethane	U		0.192	5.00	1	11/13/2020 19:55	WG1576191
Chloroform	U		0.111	5.00	1	11/13/2020 19:55	WG1576191
Chloromethane	U		0.960	2.50	1	11/13/2020 19:55	WG1576191
Cyclohexane	U		0.188	1.00	1	11/13/2020 19:55	WG1576191
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/13/2020 19:55	WG1576191
1,2-Dibromoethane	U		0.126	1.00	1	11/13/2020 19:55	WG1576191
1,2-Dichlorobenzene	U		0.107	1.00	1	11/13/2020 19:55	WG1576191
1,3-Dichlorobenzene	U		0.110	1.00	1	11/13/2020 19:55	WG1576191
1,4-Dichlorobenzene	U		0.120	1.00	1	11/13/2020 19:55	WG1576191
Dichlorodifluoromethane	U		0.374	5.00	1	11/13/2020 19:55	WG1576191
1,1-Dichloroethane	0.553	J	0.100	1.00	1	11/13/2020 19:55	WG1576191
1,2-Dichloroethane	U		0.0819	1.00	1	11/13/2020 19:55	WG1576191
1,1-Dichloroethene	U		0.188	1.00	1	11/13/2020 19:55	WG1576191
cis-1,2-Dichloroethene	0.809	J	0.126	1.00	1	11/13/2020 19:55	WG1576191
trans-1,2-Dichloroethene	1.13		0.149	1.00	1	11/13/2020 19:55	WG1576191
1,2-Dichloropropane	U		0.149	1.00	1	11/13/2020 19:55	WG1576191
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/13/2020 19:55	WG1576191
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/13/2020 19:55	WG1576191
Ethylbenzene	U		0.137	1.00	1	11/13/2020 19:55	WG1576191
2-Hexanone	U		0.787	10.0	1	11/13/2020 19:55	WG1576191
Isopropylbenzene	U		0.105	1.00	1	11/13/2020 19:55	WG1576191
2-Butanone (MEK)	U		1.19	10.0	1	11/13/2020 19:55	WG1576191
Methyl Acetate	U		1.29	20.0	1	11/13/2020 19:55	WG1576191
Methyl Cyclohexane	U		0.660	1.00	1	11/13/2020 19:55	WG1576191
Methylene Chloride	U		0.430	5.00	1	11/13/2020 19:55	WG1576191
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/13/2020 19:55	WG1576191
Methyl tert-butyl ether	296		0.505	5.00	5	11/17/2020 15:40	WG1577623
Styrene	U		0.118	1.00	1	11/13/2020 19:55	WG1576191
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/13/2020 19:55	WG1576191
Tetrachloroethene	U		0.300	1.00	1	11/13/2020 19:55	WG1576191
Toluene	U		0.278	1.00	1	11/13/2020 19:55	WG1576191
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/13/2020 19:55	WG1576191
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/13/2020 19:55	WG1576191
1,1,1-Trichloroethane	U		0.149	1.00	1	11/13/2020 19:55	WG1576191
1,1,2-Trichloroethane	U		0.158	1.00	1	11/13/2020 19:55	WG1576191
Trichloroethene	0.244	J	0.190	1.00	1	11/13/2020 19:55	WG1576191
Trichlorofluoromethane	U		0.160	5.00	1	11/13/2020 19:55	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/13/2020 19:55	WG1576191
Vinyl chloride	U		0.234	1.00	1	11/13/2020 19:55	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.174	3.00	1	11/13/2020 19:55	WG1576191
(S) Toluene-d8	*103*			*80.0-120*		*11/13/2020 19:55*	WG1576191
(S) Toluene-d8	*127*	J1		*80.0-120*		*11/17/2020 15:40*	WG1577623
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*11/13/2020 19:55*	WG1576191
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*11/17/2020 15:40*	WG1577623
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*11/13/2020 19:55*	WG1576191
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*11/17/2020 15:40*	WG1577623

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	2710	T8	18.0	100	1	11/16/2020 17:14	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	388000		8450	20000	1	11/17/2020 20:47	WG1577661

Sample Narrative:
L1283083-04 WG1577661: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	42400	T8	375	1250	25	11/11/2020 19:52	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 15:12	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	28500	T8	20000	1	11/17/2020 20:47	WG1577661

Sample Narrative:
L1283083-04 WG1577661: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/12/2020 18:36	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	15800000		190000	500000	500	11/08/2020 02:09	WG1572846
Sulfate	1770000		59400	500000	100	11/08/2020 13:56	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6760	B	204	2000	2	11/15/2020 21:09	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	45100		18.0	100	1	11/16/2020 17:14	WG1574804
Manganese	588		0.934	10.0	1	11/16/2020 17:14	WG1574804
Sodium	8850000		5040	30000	10	11/17/2020 00:35	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	68.1		2.91	10.0	1	11/12/2020 13:34	WG1574953
Ethane	U		4.07	13.0	1	11/12/2020 13:34	WG1574953
Ethene	U		4.26	13.0	1	11/12/2020 13:34	WG1574953

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/13/2020 20:16	WG1576191
Benzene	U		0.0941	1.00	1	11/13/2020 20:16	WG1576191
Bromochloromethane	U		0.128	1.00	1	11/13/2020 20:16	WG1576191
Bromodichloromethane	U		0.136	1.00	1	11/13/2020 20:16	WG1576191
Bromoform	U	C3	0.129	1.00	1	11/13/2020 20:16	WG1576191
Bromomethane	U	C3	0.605	5.00	1	11/13/2020 20:16	WG1576191
Carbon disulfide	0.423	J	0.0962	1.00	1	11/13/2020 20:16	WG1576191
Carbon tetrachloride	U		0.128	1.00	1	11/13/2020 20:16	WG1576191
Chlorobenzene	U		0.116	1.00	1	11/13/2020 20:16	WG1576191
Chlorodibromomethane	U		0.140	1.00	1	11/13/2020 20:16	WG1576191
Chloroethane	U		0.192	5.00	1	11/13/2020 20:16	WG1576191
Chloroform	U		0.111	5.00	1	11/13/2020 20:16	WG1576191
Chloromethane	U		0.960	2.50	1	11/13/2020 20:16	WG1576191
Cyclohexane	U		0.188	1.00	1	11/13/2020 20:16	WG1576191
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/13/2020 20:16	WG1576191
1,2-Dibromoethane	U		0.126	1.00	1	11/13/2020 20:16	WG1576191
1,2-Dichlorobenzene	U		0.107	1.00	1	11/13/2020 20:16	WG1576191
1,3-Dichlorobenzene	U		0.110	1.00	1	11/13/2020 20:16	WG1576191
1,4-Dichlorobenzene	U		0.120	1.00	1	11/13/2020 20:16	WG1576191
Dichlorodifluoromethane	U		0.374	5.00	1	11/13/2020 20:16	WG1576191
1,1-Dichloroethane	U		0.100	1.00	1	11/13/2020 20:16	WG1576191
1,2-Dichloroethane	U		0.0819	1.00	1	11/13/2020 20:16	WG1576191
1,1-Dichloroethene	U		0.188	1.00	1	11/13/2020 20:16	WG1576191
cis-1,2-Dichloroethene	0.218	J	0.126	1.00	1	11/13/2020 20:16	WG1576191
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/13/2020 20:16	WG1576191
1,2-Dichloropropane	U		0.149	1.00	1	11/13/2020 20:16	WG1576191
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/13/2020 20:16	WG1576191
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/13/2020 20:16	WG1576191
Ethylbenzene	U		0.137	1.00	1	11/13/2020 20:16	WG1576191
2-Hexanone	U		0.787	10.0	1	11/13/2020 20:16	WG1576191
Isopropylbenzene	U		0.105	1.00	1	11/13/2020 20:16	WG1576191
2-Butanone (MEK)	U		1.19	10.0	1	11/13/2020 20:16	WG1576191
Methyl Acetate	U		1.29	20.0	1	11/13/2020 20:16	WG1576191
Methyl Cyclohexane	U		0.660	1.00	1	11/13/2020 20:16	WG1576191
Methylene Chloride	U		0.430	5.00	1	11/13/2020 20:16	WG1576191
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/13/2020 20:16	WG1576191
Methyl tert-butyl ether	0.944	J	0.101	1.00	1	11/17/2020 15:19	WG1577623
Styrene	U		0.118	1.00	1	11/13/2020 20:16	WG1576191
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/13/2020 20:16	WG1576191
Tetrachloroethene	U		0.300	1.00	1	11/13/2020 20:16	WG1576191
Toluene	U		0.278	1.00	1	11/13/2020 20:16	WG1576191
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/13/2020 20:16	WG1576191
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/13/2020 20:16	WG1576191
1,1,1-Trichloroethane	U		0.149	1.00	1	11/13/2020 20:16	WG1576191
1,1,2-Trichloroethane	U		0.158	1.00	1	11/13/2020 20:16	WG1576191
Trichloroethene	U		0.190	1.00	1	11/13/2020 20:16	WG1576191
Trichlorofluoromethane	U		0.160	5.00	1	11/13/2020 20:16	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/13/2020 20:16	WG1576191
Vinyl chloride	U		0.234	1.00	1	11/13/2020 20:16	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.174	3.00	1	11/13/2020 20:16	WG1576191
(S) Toluene-d8	*106*			*80.0-120*		*11/13/2020 20:16*	WG1576191
(S) Toluene-d8	*105*			*80.0-120*		*11/17/2020 15:19*	WG1577623
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*		*11/13/2020 20:16*	WG1576191
(S) 4-Bromofluorobenzene	*84.9*			*77.0-126*		*11/17/2020 15:19*	WG1577623
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*		*11/13/2020 20:16*	WG1576191
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*11/17/2020 15:19*	WG1577623

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	17200	T8	18.0	100	1	11/16/2020 17:17	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	723000		8450	20000	1	11/17/2020 22:30	WG1577668

Sample Narrative:

L1283083-05 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	16000	T8	375	1250	25	11/11/2020 19:52	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 15:17	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	44300	T8	20000	1	11/17/2020 22:30	WG1577668

Sample Narrative:

L1283083-05 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/12/2020 18:36	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	78200		379	1000	1	11/07/2020 20:53	WG1572846
Sulfate	37600		594	5000	1	11/07/2020 20:53	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	23500		102	1000	1	11/15/2020 21:24	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	33200		18.0	100	1	11/16/2020 17:17	WG1574804
Manganese	3500		0.934	10.0	1	11/16/2020 17:17	WG1574804
Sodium	111000		504	3000	1	11/16/2020 17:17	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	7880		29.1	100	10	11/12/2020 15:08	WG1575539
Ethane	4.44	J	4.07	13.0	1	11/12/2020 13:37	WG1574953
Ethene	U		4.26	13.0	1	11/12/2020 13:37	WG1574953

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/13/2020 20:36	WG1576191
Benzene	0.214	J	0.0941	1.00	1	11/13/2020 20:36	WG1576191
Bromochloromethane	U		0.128	1.00	1	11/13/2020 20:36	WG1576191
Bromodichloromethane	U		0.136	1.00	1	11/13/2020 20:36	WG1576191
Bromoform	U	C3	0.129	1.00	1	11/13/2020 20:36	WG1576191
Bromomethane	U	C3	0.605	5.00	1	11/13/2020 20:36	WG1576191
Carbon disulfide	0.271	J	0.0962	1.00	1	11/13/2020 20:36	WG1576191
Carbon tetrachloride	U		0.128	1.00	1	11/13/2020 20:36	WG1576191
Chlorobenzene	U		0.116	1.00	1	11/13/2020 20:36	WG1576191
Chlorodibromomethane	U		0.140	1.00	1	11/13/2020 20:36	WG1576191
Chloroethane	U		0.192	5.00	1	11/13/2020 20:36	WG1576191
Chloroform	U		0.111	5.00	1	11/13/2020 20:36	WG1576191
Chloromethane	U		0.960	2.50	1	11/13/2020 20:36	WG1576191
Cyclohexane	11.6		0.188	1.00	1	11/13/2020 20:36	WG1576191
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/13/2020 20:36	WG1576191
1,2-Dibromoethane	U		0.126	1.00	1	11/13/2020 20:36	WG1576191
1,2-Dichlorobenzene	U		0.107	1.00	1	11/13/2020 20:36	WG1576191
1,3-Dichlorobenzene	U		0.110	1.00	1	11/13/2020 20:36	WG1576191
1,4-Dichlorobenzene	U		0.120	1.00	1	11/13/2020 20:36	WG1576191
Dichlorodifluoromethane	U		0.374	5.00	1	11/13/2020 20:36	WG1576191
1,1-Dichloroethane	U		0.100	1.00	1	11/13/2020 20:36	WG1576191
1,2-Dichloroethane	U		0.0819	1.00	1	11/13/2020 20:36	WG1576191
1,1-Dichloroethene	U		0.188	1.00	1	11/13/2020 20:36	WG1576191
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/13/2020 20:36	WG1576191
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/13/2020 20:36	WG1576191
1,2-Dichloropropane	U		0.149	1.00	1	11/13/2020 20:36	WG1576191
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/13/2020 20:36	WG1576191
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/13/2020 20:36	WG1576191
Ethylbenzene	U		0.137	1.00	1	11/13/2020 20:36	WG1576191
2-Hexanone	U		0.787	10.0	1	11/13/2020 20:36	WG1576191
Isopropylbenzene	3.27		0.105	1.00	1	11/13/2020 20:36	WG1576191
2-Butanone (MEK)	U		1.19	10.0	1	11/13/2020 20:36	WG1576191
Methyl Acetate	U		1.29	20.0	1	11/13/2020 20:36	WG1576191
Methyl Cyclohexane	18.9		0.660	1.00	1	11/13/2020 20:36	WG1576191
Methylene Chloride	U		0.430	5.00	1	11/13/2020 20:36	WG1576191
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/13/2020 20:36	WG1576191
Methyl tert-butyl ether	U		0.101	1.00	1	11/13/2020 20:36	WG1576191
Styrene	U		0.118	1.00	1	11/13/2020 20:36	WG1576191
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/13/2020 20:36	WG1576191
Tetrachloroethene	U		0.300	1.00	1	11/13/2020 20:36	WG1576191
Toluene	U		0.278	1.00	1	11/13/2020 20:36	WG1576191
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/13/2020 20:36	WG1576191
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/13/2020 20:36	WG1576191
1,1,1-Trichloroethane	U		0.149	1.00	1	11/13/2020 20:36	WG1576191
1,1,2-Trichloroethane	U		0.158	1.00	1	11/13/2020 20:36	WG1576191
Trichloroethene	U		0.190	1.00	1	11/13/2020 20:36	WG1576191
Trichlorofluoromethane	U		0.160	5.00	1	11/13/2020 20:36	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/13/2020 20:36	WG1576191
Vinyl chloride	U		0.234	1.00	1	11/13/2020 20:36	WG1576191

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Xylenes, Total	0.241	J	0.174	3.00	1	11/13/2020 20:36	WG1576191
(S) Toluene-d8	*106*			*80.0-120*		*11/13/2020 20:36*	WG1576191
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*		*11/13/2020 20:36*	WG1576191
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*		*11/13/2020 20:36*	WG1576191

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U	T8	15.0	50.0	1	11/16/2020 17:26	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	548000		8450	20000	1	11/17/2020 22:38	WG1577668

Sample Narrative:

L1283083-06 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	160	T8	15.0	50.0	1	11/11/2020 19:52	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 15:19	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	73800	T8	20000	1	11/17/2020 22:38	WG1577668

Sample Narrative:

L1283083-06 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	190		25.0	50.0	1	11/12/2020 18:36	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3110000		37900	100000	100	11/08/2020 02:46	WG1572846
Sulfate	178000		5940	50000	10	11/08/2020 02:27	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	16500		204	2000	2	11/15/2020 21:39	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	54.8	J	18.0	100	1	11/16/2020 17:26	WG1574804
Manganese	51.3		0.934	10.0	1	11/16/2020 17:26	WG1574804
Sodium	1540000		2520	15000	5	11/17/2020 00:38	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4740		2.91	10.0	1	11/12/2020 13:40	WG1574953
Ethane	46.5		4.07	13.0	1	11/12/2020 13:40	WG1574953
Ethene	U		4.26	13.0	1	11/12/2020 13:40	WG1574953

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/13/2020 20:56	WG1576191
Benzene	24.3		0.0941	1.00	1	11/13/2020 20:56	WG1576191
Bromochloromethane	U		0.128	1.00	1	11/13/2020 20:56	WG1576191
Bromodichloromethane	U		0.136	1.00	1	11/13/2020 20:56	WG1576191
Bromoform	U	C3	0.129	1.00	1	11/13/2020 20:56	WG1576191
Bromomethane	U	C3	0.605	5.00	1	11/13/2020 20:56	WG1576191
Carbon disulfide	U		0.0962	1.00	1	11/13/2020 20:56	WG1576191
Carbon tetrachloride	U		0.128	1.00	1	11/13/2020 20:56	WG1576191
Chlorobenzene	U		0.116	1.00	1	11/13/2020 20:56	WG1576191
Chlorodibromomethane	U		0.140	1.00	1	11/13/2020 20:56	WG1576191
Chloroethane	U		0.192	5.00	1	11/13/2020 20:56	WG1576191
Chloroform	U		0.111	5.00	1	11/13/2020 20:56	WG1576191
Chloromethane	U		0.960	2.50	1	11/13/2020 20:56	WG1576191
Cyclohexane	0.296	J	0.188	1.00	1	11/13/2020 20:56	WG1576191
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/13/2020 20:56	WG1576191
1,2-Dibromoethane	U		0.126	1.00	1	11/13/2020 20:56	WG1576191
1,2-Dichlorobenzene	U		0.107	1.00	1	11/13/2020 20:56	WG1576191
1,3-Dichlorobenzene	U		0.110	1.00	1	11/13/2020 20:56	WG1576191
1,4-Dichlorobenzene	U		0.120	1.00	1	11/13/2020 20:56	WG1576191
Dichlorodifluoromethane	U		0.374	5.00	1	11/13/2020 20:56	WG1576191
1,1-Dichloroethane	0.741	J	0.100	1.00	1	11/13/2020 20:56	WG1576191
1,2-Dichloroethane	U		0.0819	1.00	1	11/13/2020 20:56	WG1576191
1,1-Dichloroethene	U		0.188	1.00	1	11/13/2020 20:56	WG1576191
cis-1,2-Dichloroethene	0.305	J	0.126	1.00	1	11/13/2020 20:56	WG1576191
trans-1,2-Dichloroethene	0.362	J	0.149	1.00	1	11/13/2020 20:56	WG1576191
1,2-Dichloropropane	U		0.149	1.00	1	11/13/2020 20:56	WG1576191
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/13/2020 20:56	WG1576191
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/13/2020 20:56	WG1576191
Ethylbenzene	3.68		0.137	1.00	1	11/13/2020 20:56	WG1576191
2-Hexanone	U		0.787	10.0	1	11/13/2020 20:56	WG1576191
Isopropylbenzene	0.548	J	0.105	1.00	1	11/13/2020 20:56	WG1576191
2-Butanone (MEK)	U		1.19	10.0	1	11/13/2020 20:56	WG1576191
Methyl Acetate	U		1.29	20.0	1	11/13/2020 20:56	WG1576191
Methyl Cyclohexane	U		0.660	1.00	1	11/13/2020 20:56	WG1576191
Methylene Chloride	U		0.430	5.00	1	11/13/2020 20:56	WG1576191
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/13/2020 20:56	WG1576191
Methyl tert-butyl ether	28.8		0.101	1.00	1	11/13/2020 20:56	WG1576191
Styrene	U		0.118	1.00	1	11/13/2020 20:56	WG1576191
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/13/2020 20:56	WG1576191
Tetrachloroethene	U		0.300	1.00	1	11/13/2020 20:56	WG1576191
Toluene	0.497	J	0.278	1.00	1	11/13/2020 20:56	WG1576191
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/13/2020 20:56	WG1576191
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/13/2020 20:56	WG1576191
1,1,1-Trichloroethane	U		0.149	1.00	1	11/13/2020 20:56	WG1576191
1,1,2-Trichloroethane	U		0.158	1.00	1	11/13/2020 20:56	WG1576191
Trichloroethene	U		0.190	1.00	1	11/13/2020 20:56	WG1576191
Trichlorofluoromethane	U		0.160	5.00	1	11/13/2020 20:56	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/13/2020 20:56	WG1576191
Vinyl chloride	U		0.234	1.00	1	11/13/2020 20:56	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	4.11		0.174	3.00	1	11/13/2020 20:56	WG1576191
(S) Toluene-d8	*104*			*80.0-120*		*11/13/2020 20:56*	WG1576191
(S) 4-Bromofluorobenzene	*95.2*			*77.0-126*		*11/13/2020 20:56*	WG1576191
(S) 1,2-Dichloroethane-d4	*92.6*			*70.0-130*		*11/13/2020 20:56*	WG1576191

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	6280	T8	18.0	100	1	11/16/2020 17:29	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	398000		8450	20000	1	11/17/2020 20:54	WG1577661

Sample Narrative:
L1283083-07 WG1577661: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	6430	T8	375	1250	25	11/11/2020 19:52	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 15:20	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	32600	T8	20000	1	11/17/2020 20:54	WG1577661

Sample Narrative:
L1283083-07 WG1577661: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/12/2020 18:36	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3730000		37900	100000	100	11/08/2020 03:23	WG1572846
Sulfate	202000		5940	50000	10	11/08/2020 03:04	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	11700		204	2000	2	11/15/2020 21:52	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	12700		18.0	100	1	11/16/2020 17:29	WG1574804
Manganese	2830		0.934	10.0	1	11/16/2020 17:29	WG1574804
Sodium	1900000		2520	15000	5	11/17/2020 00:41	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1020		2.91	10.0	1	11/12/2020 13:42	WG1574953
Ethane	U		4.07	13.0	1	11/12/2020 13:42	WG1574953
Ethene	U		4.26	13.0	1	11/12/2020 13:42	WG1574953

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/13/2020 21:17	WG1576191
Benzene	U		0.0941	1.00	1	11/13/2020 21:17	WG1576191
Bromochloromethane	U		0.128	1.00	1	11/13/2020 21:17	WG1576191
Bromodichloromethane	U		0.136	1.00	1	11/13/2020 21:17	WG1576191
Bromoform	U	C3	0.129	1.00	1	11/13/2020 21:17	WG1576191
Bromomethane	U	C3	0.605	5.00	1	11/13/2020 21:17	WG1576191
Carbon disulfide	0.447	J	0.0962	1.00	1	11/13/2020 21:17	WG1576191
Carbon tetrachloride	U		0.128	1.00	1	11/13/2020 21:17	WG1576191
Chlorobenzene	U		0.116	1.00	1	11/13/2020 21:17	WG1576191
Chlorodibromomethane	U		0.140	1.00	1	11/13/2020 21:17	WG1576191
Chloroethane	U		0.192	5.00	1	11/13/2020 21:17	WG1576191
Chloroform	U		0.111	5.00	1	11/13/2020 21:17	WG1576191
Chloromethane	U		0.960	2.50	1	11/13/2020 21:17	WG1576191
Cyclohexane	U		0.188	1.00	1	11/13/2020 21:17	WG1576191
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/13/2020 21:17	WG1576191
1,2-Dibromoethane	U		0.126	1.00	1	11/13/2020 21:17	WG1576191
1,2-Dichlorobenzene	U		0.107	1.00	1	11/13/2020 21:17	WG1576191
1,3-Dichlorobenzene	U		0.110	1.00	1	11/13/2020 21:17	WG1576191
1,4-Dichlorobenzene	U		0.120	1.00	1	11/13/2020 21:17	WG1576191
Dichlorodifluoromethane	U		0.374	5.00	1	11/13/2020 21:17	WG1576191
1,1-Dichloroethane	U		0.100	1.00	1	11/13/2020 21:17	WG1576191
1,2-Dichloroethane	U		0.0819	1.00	1	11/13/2020 21:17	WG1576191
1,1-Dichloroethene	U		0.188	1.00	1	11/13/2020 21:17	WG1576191
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/13/2020 21:17	WG1576191
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/13/2020 21:17	WG1576191
1,2-Dichloropropane	U		0.149	1.00	1	11/13/2020 21:17	WG1576191
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/13/2020 21:17	WG1576191
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/13/2020 21:17	WG1576191
Ethylbenzene	U		0.137	1.00	1	11/13/2020 21:17	WG1576191
2-Hexanone	U		0.787	10.0	1	11/13/2020 21:17	WG1576191
Isopropylbenzene	U		0.105	1.00	1	11/13/2020 21:17	WG1576191
2-Butanone (MEK)	U		1.19	10.0	1	11/13/2020 21:17	WG1576191
Methyl Acetate	U		1.29	20.0	1	11/13/2020 21:17	WG1576191
Methyl Cyclohexane	U		0.660	1.00	1	11/13/2020 21:17	WG1576191
Methylene Chloride	U		0.430	5.00	1	11/13/2020 21:17	WG1576191
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/13/2020 21:17	WG1576191
Methyl tert-butyl ether	71.1		0.101	1.00	1	11/13/2020 21:17	WG1576191
Styrene	U		0.118	1.00	1	11/13/2020 21:17	WG1576191
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/13/2020 21:17	WG1576191
Tetrachloroethene	U		0.300	1.00	1	11/13/2020 21:17	WG1576191
Toluene	U		0.278	1.00	1	11/13/2020 21:17	WG1576191
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/13/2020 21:17	WG1576191
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/13/2020 21:17	WG1576191
1,1,1-Trichloroethane	U		0.149	1.00	1	11/13/2020 21:17	WG1576191
1,1,2-Trichloroethane	U		0.158	1.00	1	11/13/2020 21:17	WG1576191
Trichloroethene	U		0.190	1.00	1	11/13/2020 21:17	WG1576191
Trichlorofluoromethane	U		0.160	5.00	1	11/13/2020 21:17	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/13/2020 21:17	WG1576191
Vinyl chloride	U		0.234	1.00	1	11/13/2020 21:17	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.174	3.00	1	11/13/2020 21:17	WG1576191
(S) Toluene-d8	*104*			*80.0-120*		*11/13/2020 21:17*	WG1576191
(S) 4-Bromofluorobenzene	*97.0*			*77.0-126*		*11/13/2020 21:17*	WG1576191
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*11/13/2020 21:17*	WG1576191

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U	T8	18.0	100	1	11/16/2020 17:32	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	401000		8450	20000	1	11/17/2020 21:02	WG1577661

Sample Narrative:
L1283083-08 WG1577661: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	3600	T8	375	1250	25	11/11/2020 19:54	WG1574928

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	405		50.0	100	1	11/18/2020 15:21	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	23900	T8	20000	1	11/17/2020 21:02	WG1577661

Sample Narrative:
L1283083-08 WG1577661: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/12/2020 18:37	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2030000		37900	100000	100	11/08/2020 03:59	WG1572846
Sulfate	121000		5940	50000	10	11/08/2020 03:41	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	20200		204	2000	2	11/15/2020 23:00	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3260		18.0	100	1	11/16/2020 17:32	WG1574804
Manganese	1050		0.934	10.0	1	11/16/2020 17:32	WG1574804
Sodium	1300000		2520	15000	5	11/17/2020 00:44	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	2040		2.91	10.0	1	11/12/2020 13:52	WG1574953
Ethane	7.51	J	4.07	13.0	1	11/12/2020 13:52	WG1574953
Ethene	U		4.26	13.0	1	11/12/2020 13:52	WG1574953

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	11/13/2020 21:37	WG1576191
Benzene	0.0955	J	0.0941	1.00	1	11/13/2020 21:37	WG1576191
Bromochloromethane	U		0.128	1.00	1	11/13/2020 21:37	WG1576191
Bromodichloromethane	U		0.136	1.00	1	11/13/2020 21:37	WG1576191
Bromoform	U	C3	0.129	1.00	1	11/13/2020 21:37	WG1576191
Bromomethane	U	C3	0.605	5.00	1	11/13/2020 21:37	WG1576191
Carbon disulfide	0.400	J	0.0962	1.00	1	11/13/2020 21:37	WG1576191
Carbon tetrachloride	U		0.128	1.00	1	11/13/2020 21:37	WG1576191
Chlorobenzene	U		0.116	1.00	1	11/13/2020 21:37	WG1576191
Chlorodibromomethane	U		0.140	1.00	1	11/13/2020 21:37	WG1576191
Chloroethane	U		0.192	5.00	1	11/13/2020 21:37	WG1576191
Chloroform	U		0.111	5.00	1	11/13/2020 21:37	WG1576191
Chloromethane	U		0.960	2.50	1	11/13/2020 21:37	WG1576191
Cyclohexane	0.259	J	0.188	1.00	1	11/13/2020 21:37	WG1576191
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/13/2020 21:37	WG1576191
1,2-Dibromoethane	U		0.126	1.00	1	11/13/2020 21:37	WG1576191
1,2-Dichlorobenzene	U		0.107	1.00	1	11/13/2020 21:37	WG1576191
1,3-Dichlorobenzene	U		0.110	1.00	1	11/13/2020 21:37	WG1576191
1,4-Dichlorobenzene	U		0.120	1.00	1	11/13/2020 21:37	WG1576191
Dichlorodifluoromethane	U		0.374	5.00	1	11/13/2020 21:37	WG1576191
1,1-Dichloroethane	U		0.100	1.00	1	11/13/2020 21:37	WG1576191
1,2-Dichloroethane	U		0.0819	1.00	1	11/13/2020 21:37	WG1576191
1,1-Dichloroethene	U		0.188	1.00	1	11/13/2020 21:37	WG1576191
cis-1,2-Dichloroethene	0.267	J	0.126	1.00	1	11/13/2020 21:37	WG1576191
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/13/2020 21:37	WG1576191
1,2-Dichloropropane	U		0.149	1.00	1	11/13/2020 21:37	WG1576191
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/13/2020 21:37	WG1576191
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/13/2020 21:37	WG1576191
Ethylbenzene	U		0.137	1.00	1	11/13/2020 21:37	WG1576191
2-Hexanone	U		0.787	10.0	1	11/13/2020 21:37	WG1576191
Isopropylbenzene	0.314	J	0.105	1.00	1	11/13/2020 21:37	WG1576191
2-Butanone (MEK)	U		1.19	10.0	1	11/13/2020 21:37	WG1576191
Methyl Acetate	U		1.29	20.0	1	11/13/2020 21:37	WG1576191
Methyl Cyclohexane	U		0.660	1.00	1	11/13/2020 21:37	WG1576191
Methylene Chloride	U		0.430	5.00	1	11/13/2020 21:37	WG1576191
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/13/2020 21:37	WG1576191
Methyl tert-butyl ether	98.5		0.101	1.00	1	11/13/2020 21:37	WG1576191
Styrene	U		0.118	1.00	1	11/13/2020 21:37	WG1576191
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/13/2020 21:37	WG1576191
Tetrachloroethene	U		0.300	1.00	1	11/13/2020 21:37	WG1576191
Toluene	U		0.278	1.00	1	11/13/2020 21:37	WG1576191
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/13/2020 21:37	WG1576191
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/13/2020 21:37	WG1576191
1,1,1-Trichloroethane	U		0.149	1.00	1	11/13/2020 21:37	WG1576191
1,1,2-Trichloroethane	U		0.158	1.00	1	11/13/2020 21:37	WG1576191
Trichloroethene	U		0.190	1.00	1	11/13/2020 21:37	WG1576191
Trichlorofluoromethane	U		0.160	5.00	1	11/13/2020 21:37	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/13/2020 21:37	WG1576191
Vinyl chloride	U		0.234	1.00	1	11/13/2020 21:37	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.174	3.00	1	11/13/2020 21:37	WG1576191
(S) Toluene-d8	*109*			*80.0-120*		*11/13/2020 21:37*	WG1576191
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*11/13/2020 21:37*	WG1576191
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*11/13/2020 21:37*	WG1576191

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	10400	T8	15.0	50.0	1	11/16/2020 17:35	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	652000		8450	20000	1	11/17/2020 22:45	WG1577668

Sample Narrative:
L1283083-09 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	552	T8	15.0	50.0	1	11/14/2020 20:52	WG1576718

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 15:22	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	83400	T8	20000	1	11/17/2020 22:45	WG1577668

Sample Narrative:
L1283083-09 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/12/2020 18:37	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3870000		37900	100000	100	11/08/2020 04:36	WG1572846
Sulfate	170000		5940	50000	10	11/08/2020 04:18	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	14400	B	510	5000	5	11/15/2020 23:12	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10900		18.0	100	1	11/16/2020 17:35	WG1574804
Manganese	176		0.934	10.0	1	11/16/2020 17:35	WG1574804
Sodium	2140000		2520	15000	5	11/17/2020 00:47	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2010		2.91	10.0	1	11/12/2020 13:54	WG1574953
Ethane	U		4.07	13.0	1	11/12/2020 13:54	WG1574953
Ethene	27.8		4.26	13.0	1	11/12/2020 13:54	WG1574953

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		56.5	250	5	11/13/2020 23:19	WG1576191
Benzene	2.58	J	0.471	5.00	5	11/13/2020 23:19	WG1576191
Bromochloromethane	U		0.640	5.00	5	11/13/2020 23:19	WG1576191
Bromodichloromethane	U		0.680	5.00	5	11/13/2020 23:19	WG1576191
Bromoform	U	C3	0.645	5.00	5	11/13/2020 23:19	WG1576191
Bromomethane	U	C3	3.03	25.0	5	11/13/2020 23:19	WG1576191
Carbon disulfide	1.74	J	0.481	5.00	5	11/13/2020 23:19	WG1576191
Carbon tetrachloride	U		0.640	5.00	5	11/13/2020 23:19	WG1576191
Chlorobenzene	U		0.580	5.00	5	11/13/2020 23:19	WG1576191
Chlorodibromomethane	U		0.700	5.00	5	11/13/2020 23:19	WG1576191
Chloroethane	U		0.960	25.0	5	11/13/2020 23:19	WG1576191
Chloroform	U		0.555	25.0	5	11/13/2020 23:19	WG1576191
Chloromethane	U		4.80	12.5	5	11/13/2020 23:19	WG1576191
Cyclohexane	U		0.940	5.00	5	11/13/2020 23:19	WG1576191
1,2-Dibromo-3-Chloropropane	U		1.38	25.0	5	11/13/2020 23:19	WG1576191
1,2-Dibromoethane	U		0.630	5.00	5	11/13/2020 23:19	WG1576191
1,2-Dichlorobenzene	U		0.535	5.00	5	11/13/2020 23:19	WG1576191
1,3-Dichlorobenzene	U		0.550	5.00	5	11/13/2020 23:19	WG1576191
1,4-Dichlorobenzene	U		0.600	5.00	5	11/13/2020 23:19	WG1576191
Dichlorodifluoromethane	U		1.87	25.0	5	11/13/2020 23:19	WG1576191
1,1-Dichloroethane	U		0.500	5.00	5	11/13/2020 23:19	WG1576191
1,2-Dichloroethane	U		0.409	5.00	5	11/13/2020 23:19	WG1576191
1,1-Dichloroethene	U		0.940	5.00	5	11/13/2020 23:19	WG1576191
cis-1,2-Dichloroethene	1.13	J	0.630	5.00	5	11/13/2020 23:19	WG1576191
trans-1,2-Dichloroethene	2.01	J	0.745	5.00	5	11/13/2020 23:19	WG1576191
1,2-Dichloropropane	U		0.745	5.00	5	11/13/2020 23:19	WG1576191
cis-1,3-Dichloropropene	U		0.555	5.00	5	11/13/2020 23:19	WG1576191
trans-1,3-Dichloropropene	U		0.590	5.00	5	11/13/2020 23:19	WG1576191
Ethylbenzene	U		0.685	5.00	5	11/13/2020 23:19	WG1576191
2-Hexanone	U		3.94	50.0	5	11/13/2020 23:19	WG1576191
Isopropylbenzene	U		0.525	5.00	5	11/13/2020 23:19	WG1576191
2-Butanone (MEK)	U		5.95	50.0	5	11/13/2020 23:19	WG1576191
Methyl Acetate	U		6.45	100	5	11/13/2020 23:19	WG1576191
Methyl Cyclohexane	U		3.30	5.00	5	11/13/2020 23:19	WG1576191
Methylene Chloride	U		2.15	25.0	5	11/13/2020 23:19	WG1576191
4-Methyl-2-pentanone (MIBK)	U		2.39	50.0	5	11/13/2020 23:19	WG1576191
Methyl tert-butyl ether	22.2		0.505	5.00	5	11/13/2020 23:19	WG1576191
Styrene	U		0.590	5.00	5	11/13/2020 23:19	WG1576191
1,1,2,2-Tetrachloroethane	U		0.665	5.00	5	11/13/2020 23:19	WG1576191
Tetrachloroethene	U		1.50	5.00	5	11/13/2020 23:19	WG1576191
Toluene	U		1.39	5.00	5	11/13/2020 23:19	WG1576191
1,2,3-Trichlorobenzene	U		1.15	5.00	5	11/13/2020 23:19	WG1576191
1,2,4-Trichlorobenzene	U		2.41	5.00	5	11/13/2020 23:19	WG1576191
1,1,1-Trichloroethane	U		0.745	5.00	5	11/13/2020 23:19	WG1576191
1,1,2-Trichloroethane	U		0.790	5.00	5	11/13/2020 23:19	WG1576191
Trichloroethene	U		0.950	5.00	5	11/13/2020 23:19	WG1576191
Trichlorofluoromethane	U		0.800	25.0	5	11/13/2020 23:19	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.900	5.00	5	11/13/2020 23:19	WG1576191
Vinyl chloride	26.0	C5	1.17	5.00	5	11/13/2020 23:19	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.870	15.0	5	11/13/2020 23:19	WG1576191
(S) Toluene-d8	*107*			*80.0-120*		*11/13/2020 23:19*	WG1576191
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*		*11/13/2020 23:19*	WG1576191
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*11/13/2020 23:19*	WG1576191

Sample Narrative:

L1283083-09 WG1576191: Lowest possible dilution due to sample foaming.

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	326	T8	15.0	50.0	1	11/16/2020 17:38	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	387000		8450	20000	1	11/17/2020 22:59	WG1577668

Sample Narrative:

L1283083-10 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	228	T8	15.0	50.0	1	11/14/2020 20:53	WG1576718

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 15:24	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	58200	T8	20000	1	11/17/2020 22:59	WG1577668

Sample Narrative:

L1283083-10 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/12/2020 18:38	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2340000		37900	100000	100	11/08/2020 05:50	WG1572846
Sulfate	203000		5940	50000	10	11/08/2020 05:32	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	31100		204	2000	2	11/15/2020 23:32	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	554		18.0	100	1	11/16/2020 17:38	WG1574804
Manganese	21.4		0.934	10.0	1	11/16/2020 17:38	WG1574804
Sodium	1360000		2520	15000	5	11/17/2020 00:50	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2820		2.91	10.0	1	11/12/2020 13:56	WG1574953
Ethane	12.7	J	4.07	13.0	1	11/12/2020 13:56	WG1574953
Ethene	39.2		4.26	13.0	1	11/12/2020 13:56	WG1574953

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/13/2020 21:57	WG1576191
Benzene	5.88		0.0941	1.00	1	11/13/2020 21:57	WG1576191
Bromochloromethane	U		0.128	1.00	1	11/13/2020 21:57	WG1576191
Bromodichloromethane	U		0.136	1.00	1	11/13/2020 21:57	WG1576191
Bromoform	U	C3	0.129	1.00	1	11/13/2020 21:57	WG1576191
Bromomethane	U	C3	0.605	5.00	1	11/13/2020 21:57	WG1576191
Carbon disulfide	0.582	J	0.0962	1.00	1	11/13/2020 21:57	WG1576191
Carbon tetrachloride	U		0.128	1.00	1	11/13/2020 21:57	WG1576191
Chlorobenzene	U		0.116	1.00	1	11/13/2020 21:57	WG1576191
Chlorodibromomethane	U		0.140	1.00	1	11/13/2020 21:57	WG1576191
Chloroethane	U		0.192	5.00	1	11/13/2020 21:57	WG1576191
Chloroform	U		0.111	5.00	1	11/13/2020 21:57	WG1576191
Chloromethane	U		0.960	2.50	1	11/13/2020 21:57	WG1576191
Cyclohexane	0.189	J	0.188	1.00	1	11/13/2020 21:57	WG1576191
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/13/2020 21:57	WG1576191
1,2-Dibromoethane	U		0.126	1.00	1	11/13/2020 21:57	WG1576191
1,2-Dichlorobenzene	U		0.107	1.00	1	11/13/2020 21:57	WG1576191
1,3-Dichlorobenzene	U		0.110	1.00	1	11/13/2020 21:57	WG1576191
1,4-Dichlorobenzene	U		0.120	1.00	1	11/13/2020 21:57	WG1576191
Dichlorodifluoromethane	U		0.374	5.00	1	11/13/2020 21:57	WG1576191
1,1-Dichloroethane	0.159	J	0.100	1.00	1	11/13/2020 21:57	WG1576191
1,2-Dichloroethane	U		0.0819	1.00	1	11/13/2020 21:57	WG1576191
1,1-Dichloroethene	U		0.188	1.00	1	11/13/2020 21:57	WG1576191
cis-1,2-Dichloroethene	0.903	J	0.126	1.00	1	11/13/2020 21:57	WG1576191
trans-1,2-Dichloroethene	1.42		0.149	1.00	1	11/13/2020 21:57	WG1576191
1,2-Dichloropropane	U		0.149	1.00	1	11/13/2020 21:57	WG1576191
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/13/2020 21:57	WG1576191
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/13/2020 21:57	WG1576191
Ethylbenzene	1.05		0.137	1.00	1	11/13/2020 21:57	WG1576191
2-Hexanone	U		0.787	10.0	1	11/13/2020 21:57	WG1576191
Isopropylbenzene	0.459	J	0.105	1.00	1	11/13/2020 21:57	WG1576191
2-Butanone (MEK)	U		1.19	10.0	1	11/13/2020 21:57	WG1576191
Methyl Acetate	U		1.29	20.0	1	11/13/2020 21:57	WG1576191
Methyl Cyclohexane	U		0.660	1.00	1	11/13/2020 21:57	WG1576191
Methylene Chloride	U		0.430	5.00	1	11/13/2020 21:57	WG1576191
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/13/2020 21:57	WG1576191
Methyl tert-butyl ether	84.1		0.101	1.00	1	11/13/2020 21:57	WG1576191
Styrene	U		0.118	1.00	1	11/13/2020 21:57	WG1576191
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/13/2020 21:57	WG1576191
Tetrachloroethene	U		0.300	1.00	1	11/13/2020 21:57	WG1576191
Toluene	U		0.278	1.00	1	11/13/2020 21:57	WG1576191
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/13/2020 21:57	WG1576191
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/13/2020 21:57	WG1576191
1,1,1-Trichloroethane	U		0.149	1.00	1	11/13/2020 21:57	WG1576191
1,1,2-Trichloroethane	U		0.158	1.00	1	11/13/2020 21:57	WG1576191
Trichloroethene	U		0.190	1.00	1	11/13/2020 21:57	WG1576191
Trichlorofluoromethane	U		0.160	5.00	1	11/13/2020 21:57	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/13/2020 21:57	WG1576191
Vinyl chloride	38.8	C5	0.234	1.00	1	11/13/2020 21:57	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	0.793	J	0.174	3.00	1	11/13/2020 21:57	WG1576191
(S) Toluene-d8	*106*			*80.0-120*		*11/13/2020 21:57*	WG1576191
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*11/13/2020 21:57*	WG1576191
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*11/13/2020 21:57*	WG1576191

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U	T8	15.0	50.0	1	11/16/2020 17:41	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	208000		8450	20000	1	11/17/2020 23:07	WG1577668

Sample Narrative:

L1283083-11 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	204	T8	15.0	50.0	1	11/14/2020 20:54	WG1576718

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 15:25	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	31700	T8	20000	1	11/17/2020 23:07	WG1577668

Sample Narrative:

L1283083-11 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/12/2020 18:38	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	795000		3790	10000	10	11/08/2020 06:08	WG1572846
Sulfate	43800		594	5000	1	11/07/2020 22:06	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	17200		204	2000	2	11/15/2020 23:46	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	199		18.0	100	1	11/16/2020 17:41	WG1574804
Manganese	146		0.934	10.0	1	11/16/2020 17:41	WG1574804
Sodium	460000		504	3000	1	11/16/2020 17:41	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	10700		29.1	100	10	11/14/2020 05:21	WG1576276
Ethane	10.6	J	4.07	13.0	1	11/13/2020 14:55	WG1575595
Ethene	U		4.26	13.0	1	11/13/2020 14:55	WG1575595

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/13/2020 22:18	WG1576191
Benzene	0.110	J	0.0941	1.00	1	11/13/2020 22:18	WG1576191
Bromochloromethane	U		0.128	1.00	1	11/13/2020 22:18	WG1576191
Bromodichloromethane	U		0.136	1.00	1	11/13/2020 22:18	WG1576191
Bromoform	U	C3	0.129	1.00	1	11/13/2020 22:18	WG1576191
Bromomethane	U	C3	0.605	5.00	1	11/13/2020 22:18	WG1576191
Carbon disulfide	0.364	J	0.0962	1.00	1	11/13/2020 22:18	WG1576191
Carbon tetrachloride	U		0.128	1.00	1	11/13/2020 22:18	WG1576191
Chlorobenzene	U		0.116	1.00	1	11/13/2020 22:18	WG1576191
Chlorodibromomethane	U		0.140	1.00	1	11/13/2020 22:18	WG1576191
Chloroethane	U		0.192	5.00	1	11/13/2020 22:18	WG1576191
Chloroform	U		0.111	5.00	1	11/13/2020 22:18	WG1576191
Chloromethane	U		0.960	2.50	1	11/13/2020 22:18	WG1576191
Cyclohexane	0.536	J	0.188	1.00	1	11/13/2020 22:18	WG1576191
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/13/2020 22:18	WG1576191
1,2-Dibromoethane	U		0.126	1.00	1	11/13/2020 22:18	WG1576191
1,2-Dichlorobenzene	U		0.107	1.00	1	11/13/2020 22:18	WG1576191
1,3-Dichlorobenzene	U		0.110	1.00	1	11/13/2020 22:18	WG1576191
1,4-Dichlorobenzene	U		0.120	1.00	1	11/13/2020 22:18	WG1576191
Dichlorodifluoromethane	U		0.374	5.00	1	11/13/2020 22:18	WG1576191
1,1-Dichloroethane	U		0.100	1.00	1	11/13/2020 22:18	WG1576191
1,2-Dichloroethane	U		0.0819	1.00	1	11/13/2020 22:18	WG1576191
1,1-Dichloroethene	U		0.188	1.00	1	11/13/2020 22:18	WG1576191
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/13/2020 22:18	WG1576191
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/13/2020 22:18	WG1576191
1,2-Dichloropropane	U		0.149	1.00	1	11/13/2020 22:18	WG1576191
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/13/2020 22:18	WG1576191
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/13/2020 22:18	WG1576191
Ethylbenzene	U		0.137	1.00	1	11/13/2020 22:18	WG1576191
2-Hexanone	U		0.787	10.0	1	11/13/2020 22:18	WG1576191
Isopropylbenzene	U		0.105	1.00	1	11/13/2020 22:18	WG1576191
2-Butanone (MEK)	U		1.19	10.0	1	11/13/2020 22:18	WG1576191
Methyl Acetate	U		1.29	20.0	1	11/13/2020 22:18	WG1576191
Methyl Cyclohexane	U		0.660	1.00	1	11/13/2020 22:18	WG1576191
Methylene Chloride	U		0.430	5.00	1	11/13/2020 22:18	WG1576191
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/13/2020 22:18	WG1576191
Methyl tert-butyl ether	28.7		0.101	1.00	1	11/13/2020 22:18	WG1576191
Styrene	U		0.118	1.00	1	11/13/2020 22:18	WG1576191
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/13/2020 22:18	WG1576191
Tetrachloroethene	U		0.300	1.00	1	11/13/2020 22:18	WG1576191
Toluene	U		0.278	1.00	1	11/13/2020 22:18	WG1576191
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/13/2020 22:18	WG1576191
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/13/2020 22:18	WG1576191
1,1,1-Trichloroethane	U		0.149	1.00	1	11/13/2020 22:18	WG1576191
1,1,2-Trichloroethane	U		0.158	1.00	1	11/13/2020 22:18	WG1576191
Trichloroethene	U		0.190	1.00	1	11/13/2020 22:18	WG1576191
Trichlorofluoromethane	U		0.160	5.00	1	11/13/2020 22:18	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/13/2020 22:18	WG1576191
Vinyl chloride	U		0.234	1.00	1	11/13/2020 22:18	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.174	3.00	1	11/13/2020 22:18	WG1576191
(S) Toluene-d8	*104*			*80.0-120*		*11/13/2020 22:18*	WG1576191
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*11/13/2020 22:18*	WG1576191
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*		*11/13/2020 22:18*	WG1576191

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	302	T8	15.0	50.0	1	11/16/2020 17:44	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	290000		8450	20000	1	11/18/2020 09:23	WG1577663

Sample Narrative:
L1283083-12 WG1577663: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	184	T8	15.0	50.0	1	11/14/2020 20:54	WG1576718

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 15:27	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	57200	T8	20000	1	11/18/2020 09:23	WG1577663

Sample Narrative:
L1283083-12 WG1577663: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	160		25.0	50.0	1	11/12/2020 18:38	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2380000		37900	100000	100	11/08/2020 06:45	WG1572846
Sulfate	189000		5940	50000	10	11/08/2020 06:27	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	36700		510	5000	5	11/16/2020 00:17	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	486		18.0	100	1	11/16/2020 17:44	WG1574804
Manganese	9.69	J	0.934	10.0	1	11/16/2020 17:44	WG1574804
Sodium	1430000		2520	15000	5	11/17/2020 00:58	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	12600		29.1	100	10	11/14/2020 05:24	WG1576276
Ethane	794		4.07	13.0	1	11/13/2020 14:52	WG1575595
Ethene	274		4.26	13.0	1	11/13/2020 14:52	WG1575595

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		56.5	250	5	11/13/2020 23:40	WG1576191
Benzene	10.9		0.471	5.00	5	11/13/2020 23:40	WG1576191
Bromochloromethane	U		0.640	5.00	5	11/13/2020 23:40	WG1576191
Bromodichloromethane	U		0.680	5.00	5	11/13/2020 23:40	WG1576191
Bromoform	U	C3	0.645	5.00	5	11/13/2020 23:40	WG1576191
Bromomethane	U	C3	3.03	25.0	5	11/13/2020 23:40	WG1576191
Carbon disulfide	2.18	J	0.481	5.00	5	11/13/2020 23:40	WG1576191
Carbon tetrachloride	U		0.640	5.00	5	11/13/2020 23:40	WG1576191
Chlorobenzene	U		0.580	5.00	5	11/13/2020 23:40	WG1576191
Chlorodibromomethane	U		0.700	5.00	5	11/13/2020 23:40	WG1576191
Chloroethane	U		0.960	25.0	5	11/13/2020 23:40	WG1576191
Chloroform	U		0.555	25.0	5	11/13/2020 23:40	WG1576191
Chloromethane	U		4.80	12.5	5	11/13/2020 23:40	WG1576191
Cyclohexane	U		0.940	5.00	5	11/13/2020 23:40	WG1576191
1,2-Dibromo-3-Chloropropane	U		1.38	25.0	5	11/13/2020 23:40	WG1576191
1,2-Dibromoethane	U		0.630	5.00	5	11/13/2020 23:40	WG1576191
1,2-Dichlorobenzene	U		0.535	5.00	5	11/13/2020 23:40	WG1576191
1,3-Dichlorobenzene	U		0.550	5.00	5	11/13/2020 23:40	WG1576191
1,4-Dichlorobenzene	U		0.600	5.00	5	11/13/2020 23:40	WG1576191
Dichlorodifluoromethane	U		1.87	25.0	5	11/13/2020 23:40	WG1576191
1,1-Dichloroethane	U		0.500	5.00	5	11/13/2020 23:40	WG1576191
1,2-Dichloroethane	U		0.409	5.00	5	11/13/2020 23:40	WG1576191
1,1-Dichloroethene	U		0.940	5.00	5	11/13/2020 23:40	WG1576191
cis-1,2-Dichloroethene	U		0.630	5.00	5	11/13/2020 23:40	WG1576191
trans-1,2-Dichloroethene	12.8		0.745	5.00	5	11/13/2020 23:40	WG1576191
1,2-Dichloropropane	U		0.745	5.00	5	11/13/2020 23:40	WG1576191
cis-1,3-Dichloropropene	U		0.555	5.00	5	11/13/2020 23:40	WG1576191
trans-1,3-Dichloropropene	U		0.590	5.00	5	11/13/2020 23:40	WG1576191
Ethylbenzene	7.18		0.685	5.00	5	11/13/2020 23:40	WG1576191
2-Hexanone	U		3.94	50.0	5	11/13/2020 23:40	WG1576191
Isopropylbenzene	0.771	J	0.525	5.00	5	11/13/2020 23:40	WG1576191
2-Butanone (MEK)	U		5.95	50.0	5	11/13/2020 23:40	WG1576191
Methyl Acetate	U		6.45	100	5	11/13/2020 23:40	WG1576191
Methyl Cyclohexane	U		3.30	5.00	5	11/13/2020 23:40	WG1576191
Methylene Chloride	U		2.15	25.0	5	11/13/2020 23:40	WG1576191
4-Methyl-2-pentanone (MIBK)	U		2.39	50.0	5	11/13/2020 23:40	WG1576191
Methyl tert-butyl ether	207		0.505	5.00	5	11/13/2020 23:40	WG1576191
Styrene	U		0.590	5.00	5	11/13/2020 23:40	WG1576191
1,1,2,2-Tetrachloroethane	U		0.665	5.00	5	11/13/2020 23:40	WG1576191
Tetrachloroethene	U		1.50	5.00	5	11/13/2020 23:40	WG1576191
Toluene	U		1.39	5.00	5	11/13/2020 23:40	WG1576191
1,2,3-Trichlorobenzene	U		1.15	5.00	5	11/13/2020 23:40	WG1576191
1,2,4-Trichlorobenzene	U		2.41	5.00	5	11/13/2020 23:40	WG1576191
1,1,1-Trichloroethane	U		0.745	5.00	5	11/13/2020 23:40	WG1576191
1,1,2-Trichloroethane	U		0.790	5.00	5	11/13/2020 23:40	WG1576191
Trichloroethene	U		0.950	5.00	5	11/13/2020 23:40	WG1576191
Trichlorofluoromethane	U		0.800	25.0	5	11/13/2020 23:40	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.900	5.00	5	11/13/2020 23:40	WG1576191
Vinyl chloride	U		1.17	5.00	5	11/13/2020 23:40	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	24.1		0.870	15.0	5	11/13/2020 23:40	WG1576191
(S) Toluene-d8	*105*			*80.0-120*		*11/13/2020 23:40*	WG1576191
(S) 4-Bromofluorobenzene	*98.0*			*77.0-126*		*11/13/2020 23:40*	WG1576191
(S) 1,2-Dichloroethane-d4	*94.2*			*70.0-130*		*11/13/2020 23:40*	WG1576191

Sample Narrative:

L1283083-12 WG1576191: Lowest possible dilution due to sample foaming.

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	247	T8	15.0	50.0	1	11/16/2020 17:47	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	287000		8450	20000	1	11/18/2020 04:46	WG1577663

Sample Narrative:
L1283083-13 WG1577663: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	384	T8	15.0	50.0	1	11/14/2020 20:55	WG1576718

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 15:34	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	48700	T8	20000	1	11/18/2020 04:46	WG1577663

Sample Narrative:
L1283083-13 WG1577663: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/12/2020 18:38	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2310000		37900	100000	100	11/08/2020 07:22	WG1572846
Sulfate	248000		5940	50000	10	11/08/2020 07:04	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	35000		510	5000	5	11/16/2020 00:32	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	631		18.0	100	1	11/16/2020 17:47	WG1574804
Manganese	10.4		0.934	10.0	1	11/16/2020 17:47	WG1574804
Sodium	1420000		2520	15000	5	11/17/2020 01:01	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	9970		29.1	100	10	11/14/2020 05:26	WG1576276
Ethane	609		4.07	13.0	1	11/13/2020 14:58	WG1575595
Ethene	219		4.26	13.0	1	11/13/2020 14:58	WG1575595

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		56.5	250	5	11/14/2020 00:00	WG1576191
Benzene	8.99		0.471	5.00	5	11/14/2020 00:00	WG1576191
Bromochloromethane	U		0.640	5.00	5	11/14/2020 00:00	WG1576191
Bromodichloromethane	U		0.680	5.00	5	11/14/2020 00:00	WG1576191
Bromoform	U	C3	0.645	5.00	5	11/14/2020 00:00	WG1576191
Bromomethane	U	C3	3.03	25.0	5	11/14/2020 00:00	WG1576191
Carbon disulfide	2.27	J	0.481	5.00	5	11/14/2020 00:00	WG1576191
Carbon tetrachloride	U		0.640	5.00	5	11/14/2020 00:00	WG1576191
Chlorobenzene	U		0.580	5.00	5	11/14/2020 00:00	WG1576191
Chlorodibromomethane	U		0.700	5.00	5	11/14/2020 00:00	WG1576191
Chloroethane	U		0.960	25.0	5	11/14/2020 00:00	WG1576191
Chloroform	U		0.555	25.0	5	11/14/2020 00:00	WG1576191
Chloromethane	U		4.80	12.5	5	11/14/2020 00:00	WG1576191
Cyclohexane	U		0.940	5.00	5	11/14/2020 00:00	WG1576191
1,2-Dibromo-3-Chloropropane	U		1.38	25.0	5	11/14/2020 00:00	WG1576191
1,2-Dibromoethane	U		0.630	5.00	5	11/14/2020 00:00	WG1576191
1,2-Dichlorobenzene	U		0.535	5.00	5	11/14/2020 00:00	WG1576191
1,3-Dichlorobenzene	U		0.550	5.00	5	11/14/2020 00:00	WG1576191
1,4-Dichlorobenzene	U		0.600	5.00	5	11/14/2020 00:00	WG1576191
Dichlorodifluoromethane	U		1.87	25.0	5	11/14/2020 00:00	WG1576191
1,1-Dichloroethane	U		0.500	5.00	5	11/14/2020 00:00	WG1576191
1,2-Dichloroethane	U		0.409	5.00	5	11/14/2020 00:00	WG1576191
1,1-Dichloroethene	U		0.940	5.00	5	11/14/2020 00:00	WG1576191
cis-1,2-Dichloroethene	U		0.630	5.00	5	11/14/2020 00:00	WG1576191
trans-1,2-Dichloroethene	9.50		0.745	5.00	5	11/14/2020 00:00	WG1576191
1,2-Dichloropropane	U		0.745	5.00	5	11/14/2020 00:00	WG1576191
cis-1,3-Dichloropropene	U		0.555	5.00	5	11/14/2020 00:00	WG1576191
trans-1,3-Dichloropropene	U		0.590	5.00	5	11/14/2020 00:00	WG1576191
Ethylbenzene	5.76		0.685	5.00	5	11/14/2020 00:00	WG1576191
2-Hexanone	U		3.94	50.0	5	11/14/2020 00:00	WG1576191
Isopropylbenzene	0.560	J	0.525	5.00	5	11/14/2020 00:00	WG1576191
2-Butanone (MEK)	U		5.95	50.0	5	11/14/2020 00:00	WG1576191
Methyl Acetate	U		6.45	100	5	11/14/2020 00:00	WG1576191
Methyl Cyclohexane	U		3.30	5.00	5	11/14/2020 00:00	WG1576191
Methylene Chloride	U		2.15	25.0	5	11/14/2020 00:00	WG1576191
4-Methyl-2-pentanone (MIBK)	U		2.39	50.0	5	11/14/2020 00:00	WG1576191
Methyl tert-butyl ether	180		0.505	5.00	5	11/14/2020 00:00	WG1576191
Styrene	U		0.590	5.00	5	11/14/2020 00:00	WG1576191
1,1,2,2-Tetrachloroethane	U		0.665	5.00	5	11/14/2020 00:00	WG1576191
Tetrachloroethene	U		1.50	5.00	5	11/14/2020 00:00	WG1576191
Toluene	U		1.39	5.00	5	11/14/2020 00:00	WG1576191
1,2,3-Trichlorobenzene	U		1.15	5.00	5	11/14/2020 00:00	WG1576191
1,2,4-Trichlorobenzene	U		2.41	5.00	5	11/14/2020 00:00	WG1576191
1,1,1-Trichloroethane	U		0.745	5.00	5	11/14/2020 00:00	WG1576191
1,1,2-Trichloroethane	U		0.790	5.00	5	11/14/2020 00:00	WG1576191
Trichloroethene	U		0.950	5.00	5	11/14/2020 00:00	WG1576191
Trichlorofluoromethane	U		0.800	25.0	5	11/14/2020 00:00	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.900	5.00	5	11/14/2020 00:00	WG1576191
Vinyl chloride	U		1.17	5.00	5	11/14/2020 00:00	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	18.6		0.870	15.0	5	11/14/2020 00:00	WG1576191
(S) Toluene-d8	*107*			*80.0-120*		*11/14/2020 00:00*	WG1576191
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*11/14/2020 00:00*	WG1576191
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*11/14/2020 00:00*	WG1576191

Sample Narrative:

L1283083-13 WG1576191: Lowest possible dilution due to sample foaming.

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferric Iron	U	T8	15.0	50.0	1	11/16/2020 17:50	WG1574804

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	U		8450	20000	1	11/17/2020 23:13	WG1577668

Sample Narrative:
L1283083-14 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 3500Fe B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ferrous Iron	U	T8	15.0	50.0	1	11/14/2020 20:55	WG1576718

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrate-Nitrite	U		50.0	100	1	11/18/2020 15:35	WG1577567

Wet Chemistry by Method 4500CO2 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Free Carbon Dioxide	ND	J T8	20000	1	11/17/2020 23:13	WG1577668

Sample Narrative:
L1283083-14 WG1577668: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		25.0	50.0	1	11/12/2020 18:39	WG1575218

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	390	B J	379	1000	1	11/07/2020 23:01	WG1572846
Sulfate	U		594	5000	1	11/07/2020 23:01	WG1572846

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	304	B J	102	1000	1	11/16/2020 00:45	WG1576669

Metals (ICP) by Method 6010C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	U		18.0	100	1	11/16/2020 17:50	WG1574804
Manganese	U		0.934	10.0	1	11/16/2020 17:50	WG1574804
Sodium	1110	J	504	3000	1	11/16/2020 17:50	WG1574804

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	16.8		2.91	10.0	1	11/13/2020 14:45	WG1575595
Ethane	U		4.07	13.0	1	11/13/2020 14:45	WG1575595
Ethene	U		4.26	13.0	1	11/13/2020 14:45	WG1575595

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	11/13/2020 18:54	WG1576191
Benzene	U		0.0941	1.00	1	11/13/2020 18:54	WG1576191
Bromochloromethane	U		0.128	1.00	1	11/13/2020 18:54	WG1576191
Bromodichloromethane	U		0.136	1.00	1	11/13/2020 18:54	WG1576191
Bromoform	U	C3	0.129	1.00	1	11/13/2020 18:54	WG1576191
Bromomethane	U	C3	0.605	5.00	1	11/13/2020 18:54	WG1576191
Carbon disulfide	U		0.0962	1.00	1	11/13/2020 18:54	WG1576191
Carbon tetrachloride	U		0.128	1.00	1	11/13/2020 18:54	WG1576191
Chlorobenzene	U		0.116	1.00	1	11/13/2020 18:54	WG1576191
Chlorodibromomethane	U		0.140	1.00	1	11/13/2020 18:54	WG1576191
Chloroethane	U		0.192	5.00	1	11/13/2020 18:54	WG1576191
Chloroform	U		0.111	5.00	1	11/13/2020 18:54	WG1576191
Chloromethane	U		0.960	2.50	1	11/13/2020 18:54	WG1576191
Cyclohexane	U		0.188	1.00	1	11/13/2020 18:54	WG1576191
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	11/13/2020 18:54	WG1576191
1,2-Dibromoethane	U		0.126	1.00	1	11/13/2020 18:54	WG1576191
1,2-Dichlorobenzene	U		0.107	1.00	1	11/13/2020 18:54	WG1576191
1,3-Dichlorobenzene	U		0.110	1.00	1	11/13/2020 18:54	WG1576191
1,4-Dichlorobenzene	U		0.120	1.00	1	11/13/2020 18:54	WG1576191
Dichlorodifluoromethane	U		0.374	5.00	1	11/13/2020 18:54	WG1576191
1,1-Dichloroethane	U		0.100	1.00	1	11/13/2020 18:54	WG1576191
1,2-Dichloroethane	U		0.0819	1.00	1	11/13/2020 18:54	WG1576191
1,1-Dichloroethene	U		0.188	1.00	1	11/13/2020 18:54	WG1576191
cis-1,2-Dichloroethene	U		0.126	1.00	1	11/13/2020 18:54	WG1576191
trans-1,2-Dichloroethene	U		0.149	1.00	1	11/13/2020 18:54	WG1576191
1,2-Dichloropropane	U		0.149	1.00	1	11/13/2020 18:54	WG1576191
cis-1,3-Dichloropropene	U		0.111	1.00	1	11/13/2020 18:54	WG1576191
trans-1,3-Dichloropropene	U		0.118	1.00	1	11/13/2020 18:54	WG1576191
Ethylbenzene	U		0.137	1.00	1	11/13/2020 18:54	WG1576191
2-Hexanone	U		0.787	10.0	1	11/13/2020 18:54	WG1576191
Isopropylbenzene	U		0.105	1.00	1	11/13/2020 18:54	WG1576191
2-Butanone (MEK)	U		1.19	10.0	1	11/13/2020 18:54	WG1576191
Methyl Acetate	U		1.29	20.0	1	11/13/2020 18:54	WG1576191
Methyl Cyclohexane	U		0.660	1.00	1	11/13/2020 18:54	WG1576191
Methylene Chloride	U		0.430	5.00	1	11/13/2020 18:54	WG1576191
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	11/13/2020 18:54	WG1576191
Methyl tert-butyl ether	U		0.101	1.00	1	11/13/2020 18:54	WG1576191
Styrene	U		0.118	1.00	1	11/13/2020 18:54	WG1576191
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	11/13/2020 18:54	WG1576191
Tetrachloroethene	U		0.300	1.00	1	11/13/2020 18:54	WG1576191
Toluene	U		0.278	1.00	1	11/13/2020 18:54	WG1576191
1,2,3-Trichlorobenzene	U		0.230	1.00	1	11/13/2020 18:54	WG1576191
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/13/2020 18:54	WG1576191
1,1,1-Trichloroethane	U		0.149	1.00	1	11/13/2020 18:54	WG1576191
1,1,2-Trichloroethane	U		0.158	1.00	1	11/13/2020 18:54	WG1576191
Trichloroethene	U		0.190	1.00	1	11/13/2020 18:54	WG1576191
Trichlorofluoromethane	U		0.160	5.00	1	11/13/2020 18:54	WG1576191
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	11/13/2020 18:54	WG1576191
Vinyl chloride	U		0.234	1.00	1	11/13/2020 18:54	WG1576191

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Xylenes, Total	U		0.174	3.00	1	11/13/2020 18:54	WG1576191
(S) Toluene-d8	*106*			*80.0-120*		*11/13/2020 18:54*	WG1576191
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*11/13/2020 18:54*	WG1576191
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*11/13/2020 18:54*	WG1576191

Method Blank (MB)

(MB) R3594322-1 11/17/20 17:56

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1282740-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1282740-01 11/17/20 18:04 • (DUP) R3594322-3 11/17/20 18:11

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	84200	84400	1	0.242		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1282740-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1282740-11 11/17/20 19:39 • (DUP) R3594322-6 11/17/20 19:46

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	104000	105000	1	1.43		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3594322-5 11/17/20 19:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	96300	96.3	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3594336-1 11/18/20 02:46

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1282741-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1282741-01 11/18/20 02:54 • (DUP) R3594336-3 11/18/20 03:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	1140000	1140000	1	0.0305		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1282777-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1282777-05 11/18/20 09:09 • (DUP) R3594336-6 11/18/20 09:16

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	437000	440000	1	0.690		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3594336-5 11/18/20 04:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	97500	97.5	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3594335-1 11/17/20 22:09

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1283083-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-09 11/17/20 22:45 • (DUP) R3594335-3 11/17/20 22:52

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	652000	652000	1	0.0182		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1283853-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1283853-01 11/18/20 09:54 • (DUP) R3594335-6 11/18/20 10:02

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	96600	97000	1	0.351		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3594335-5 11/17/20 23:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	96700	96.7	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3592054-1 11/11/20 19:42

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

L1282573-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1282573-03 11/11/20 19:43 • (DUP) R3592054-3 11/11/20 19:44

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ferrous Iron	618	634	1	2.56		20

L1283083-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-03 11/11/20 19:50 • (DUP) R3592054-6 11/11/20 19:51

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ferrous Iron	1050	1050	1	0.0955		20

Laboratory Control Sample (LCS)

(LCS) R3592054-2 11/11/20 19:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ferrous Iron	1000	936	93.6	85.0-115	

L1282573-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1282573-04 11/11/20 19:44 • (MS) R3592054-4 11/11/20 19:45 • (MSD) R3592054-5 11/11/20 19:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ferrous Iron	1000	619	1560	1590	94.2	96.9	1	80.0-120			1.71	20

Method Blank (MB)

(MB) R3593131-1 11/14/20 20:51

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

L1283083-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-09 11/14/20 20:52 • (DUP) R3593131-3 11/14/20 20:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Ferrous Iron	552	515	1	6.94		20

L1283092-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1283092-02 11/14/20 20:58 • (DUP) R3593131-4 11/14/20 20:59

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Ferrous Iron	2170	2160	1	0.646		20

Laboratory Control Sample (LCS)

(LCS) R3593131-2 11/14/20 20:51

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Ferrous Iron	1000	975	97.5	85.0-115	

L1283092-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1283092-11 11/14/20 21:11 • (MS) R3593131-5 11/14/20 21:12 • (MSD) R3593131-6 11/14/20 21:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Ferrous Iron	1000	1590	49300	48500	95.5	93.7	50	80.0-120			1.78	20

Method Blank (MB)

(MB) R3594649-2 11/18/20 15:02

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

L1283083-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-01 11/18/20 15:05 • (DUP) R3594649-4 11/18/20 15:06

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	461	457	1	0.871		20

L1283083-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-11 11/18/20 15:25 • (DUP) R3594649-7 11/18/20 15:26

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

Laboratory Control Sample (LCS)

(LCS) R3594649-3 11/18/20 15:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2500	2590	104	90.0-110	

L1283083-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1283083-02 11/18/20 15:07 • (MS) R3594649-5 11/18/20 15:08 • (MSD) R3594649-6 11/18/20 15:10

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2500	138	2740	2830	104	108	1	90.0-110			3.23	20

L1283083-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1283083-12 11/18/20 15:27 • (MS) R3594649-8 11/18/20 15:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2500	U	2660	106	1	90.0-110	

Method Blank (MB)

(MB) R3594322-2 11/17/20 17:56

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1282740-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1282740-01 11/17/20 18:04 • (DUP) R3594322-4 11/17/20 18:11

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

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1282740-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1282740-11 11/17/20 19:39 • (DUP) R3594322-7 11/17/20 19:46

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

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R3594336-2 11/18/20 02:46

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1282741-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1282741-01 11/18/20 02:54 • (DUP) R3594336-4 11/18/20 03:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	18900	26800	1	34.8	P1	20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1282777-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1282777-05 11/18/20 09:09 • (DUP) R3594336-7 11/18/20 09:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	21900	26200	1	17.6		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R3594335-2 11/17/20 22:09

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1283083-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-09 11/17/20 22:45 • (DUP) R3594335-4 11/17/20 22:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	83400	81800	1	1.92		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1283853-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1283853-01 11/18/20 09:54 • (DUP) R3594335-7 11/18/20 10:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Free Carbon Dioxide	21500	ND	1	73.1	P1	20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Method Blank (MB)

(MB) R3592540-1 11/12/20 18:30

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

L1283083-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-03 11/12/20 18:35 • (DUP) R3592540-5 11/12/20 18:36

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

L1284281-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1284281-01 11/12/20 18:50 • (DUP) R3592540-6 11/12/20 18:50

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

Laboratory Control Sample (LCS)

(LCS) R3592540-2 11/12/20 18:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfide	500	563	113	85.0-115	

L1283083-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1283083-01 11/12/20 18:34 • (MS) R3592540-3 11/12/20 18:34 • (MSD) R3592540-4 11/12/20 18:34

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfide	1000	U	1110	1070	111	107	1	80.0-120			3.77	20

Method Blank (MB)

(MB) R3590812-1 11/07/20 13:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	436	J	379	1000
Sulfate	U		594	5000

L1283055-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1283055-02 11/07/20 15:50 • (DUP) R3590812-5 11/07/20 16:09

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	11900	11800	1	0.327		15
Sulfate	70100	70100	1	0.0454		15

L1283083-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-05 11/07/20 20:53 • (DUP) R3590812-7 11/07/20 23:57

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	78200	78300	1	0.0799		15
Sulfate	37600	33200	1	12.3		15

Laboratory Control Sample (LCS)

(LCS) R3590812-2 11/07/20 14:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40000	39400	98.4	80.0-120	
Sulfate	40000	39800	99.6	80.0-120	

L1283055-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1283055-01 11/07/20 14:56 • (MS) R3590812-3 11/07/20 15:13 • (MSD) R3590812-4 11/07/20 15:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	98800	147000	147000	96.7	95.8	1	80.0-120	E	E	0.291	15
Sulfate	50000	105000	153000	153000	97.3	96.9	1	80.0-120	E	E	0.159	15

L1283083-14 Original Sample (OS) • Matrix Spike (MS)

(OS) L1283083-14 11/07/20 23:01 • (MS) R3590812-6 11/07/20 23:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	390	50100	99.5	1	80.0-120	
Sulfate	50000	U	49600	99.3	1	80.0-120	

Method Blank (MB)

(MB) R3593444-1 11/14/20 21:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	283	J	102	1000

L1280314-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1280314-08 11/15/20 00:56 • (DUP) R3593444-3 11/15/20 01:22

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	3640	3770	1	3.50		20

L1280427-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1280427-02 11/15/20 07:07 • (DUP) R3593444-6 11/15/20 07:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	592	661	1	10.9	J	20

Laboratory Control Sample (LCS)

(LCS) R3593444-2 11/14/20 22:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	75800	101	85.0-115	

L1280314-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1280314-10 11/15/20 04:14 • (MS) R3593444-4 11/15/20 04:41 • (MSD) R3593444-5 11/15/20 05:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	625	49000	51200	96.7	101	1	80.0-120			4.41	20

L1280427-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1280427-04 11/15/20 10:26 • (MS) R3593444-7 11/15/20 10:53 • (MSD) R3593444-8 11/15/20 11:19

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	1020	50300	50200	98.5	98.3	1	80.0-120			0.164	20

Method Blank (MB)

(MB) R3593457-1 11/15/20 14:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	362	J	102	1000

L1283050-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1283050-05 11/15/20 18:23 • (DUP) R3593457-5 11/15/20 18:36

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	811	755	1	7.15	J	20

L1283083-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-11 11/15/20 23:46 • (DUP) R3593457-8 11/16/20 00:03

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	17200	17300	2	0.232		20

Laboratory Control Sample (LCS)

(LCS) R3593457-2 11/15/20 15:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75000	73800	98.4	85.0-115	

L1283050-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1283050-02 11/15/20 17:15 • (MS) R3593457-3 11/15/20 17:29 • (MSD) R3593457-4 11/15/20 17:43

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	486	50300	49900	99.6	98.8	1	80.0-120			0.878	20

L1283050-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1283050-06 11/15/20 19:42 • (MS) R3593457-6 11/15/20 19:55 • (MSD) R3593457-7 11/15/20 20:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	530	48900	48100	96.6	95.0	1	80.0-120			1.65	20

Method Blank (MB)

(MB) R3593664-1 11/16/20 16:50

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) R3593664-2 11/16/20 16:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	10000	9770	97.7	80.0-120	
Manganese	1000	976	97.6	80.0-120	
Sodium	10000	9680	96.8	80.0-120	

L1283083-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1283083-01 11/16/20 16:56 • (MS) R3593664-4 11/16/20 17:02 • (MSD) R3593664-5 11/16/20 17:05

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	1360	11000	11000	96.0	95.9	1	75.0-125			0.0768	20
Manganese	1000	996	1960	1960	96.9	96.0	1	75.0-125			0.425	20
Sodium	10000	3440000	3370000	3360000	0.000	0.000	1	75.0-125	E V	E V	0.474	20

Method Blank (MB)

(MB) R3592350-2 11/12/20 10:44

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

L1282959-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1282959-06 11/12/20 13:19 • (DUP) R3592350-3 11/12/20 13:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	73.3	78.3	1	6.60		20
Ethane	107	110	1	2.76		20
Ethene	121	123	1	1.64		20

L1283083-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-07 11/12/20 13:42 • (DUP) R3592350-4 11/12/20 13:59

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	1020	1020	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) R3592350-1 11/12/20 10:39 • (LCSD) R3592350-5 11/12/20 14:01

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	67.8	70.7	100	104	85.0-115			4.19	20
Ethane	129	131	129	102	100	85.0-115			1.54	20
Ethene	127	128	128	101	101	85.0-115			0.000	20

Method Blank (MB)

(MB) R3592414-2 11/12/20 14:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		2.91	10.0

L1282753-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1282753-03 11/12/20 14:16 • (DUP) R3592414-3 11/12/20 14:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	26100	26500	10	1.52		20

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

(LCS) R3592414-1 11/12/20 14:01 • (LCSD) R3592414-4 11/12/20 15:12

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	70.7	65.4	104	96.5	85.0-115			7.79	20

Method Blank (MB)

(MB) R3592882-2 11/13/20 13:26

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

L1283090-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1283090-07 11/13/20 13:29 • (DUP) R3592882-3 11/13/20 13:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	58.1	60.3	1	3.72		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1283083-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-13 11/13/20 14:58 • (DUP) R3592882-4 11/13/20 15:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	9040	8930	1	1.22	E	20
Ethane	609	597	1	1.99		20
Ethene	219	212	1	3.25		20

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

(LCS) R3592882-1 11/13/20 13:18 • (LCSD) R3592882-5 11/13/20 15:05

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	66.9	67.9	98.7	100	85.0-115			1.48	20
Ethane	129	131	132	102	102	85.0-115			0.760	20
Ethene	127	129	131	102	103	85.0-115			1.54	20

Method Blank (MB)

(MB) R3593020-2 11/14/20 05:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		2.91	10.0

L1283083-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1283083-11 11/14/20 05:21 • (DUP) R3593020-3 11/14/20 05:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	10700	10800	10	0.930		20

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

(LCS) R3593020-1 11/14/20 05:01 • (LCSD) R3593020-4 11/14/20 06:33

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	68.4	66.5	101	98.1	85.0-115			2.82	20

Method Blank (MB)

(MB) R3593765-2 11/13/20 18:34

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

Method Blank (MB)

(MB) R3593765-2 11/13/20 18:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Toluene	U		0.278	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3593765-1 11/13/20 17:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	21.7	86.8	19.0-160	
Benzene	5.00	5.63	113	70.0-123	
Bromodichloromethane	5.00	4.92	98.4	75.0-120	
Bromochloromethane	5.00	5.37	107	76.0-122	
Bromoform	5.00	3.69	73.8	68.0-132	
Bromomethane	5.00	3.42	68.4	10.0-160	
Carbon disulfide	5.00	5.65	113	61.0-128	
Carbon tetrachloride	5.00	3.97	79.4	68.0-126	
Chlorobenzene	5.00	5.28	106	80.0-121	
Chlorodibromomethane	5.00	4.40	88.0	77.0-125	
Chloroethane	5.00	5.60	112	47.0-150	
Chloroform	5.00	5.36	107	73.0-120	
Chloromethane	5.00	4.77	95.4	41.0-142	
Cyclohexane	5.00	5.30	106	71.0-124	
1,2-Dibromo-3-Chloropropane	5.00	4.22	84.4	58.0-134	
1,2-Dibromoethane	5.00	5.13	103	80.0-122	
1,2-Dichlorobenzene	5.00	4.91	98.2	79.0-121	
1,3-Dichlorobenzene	5.00	5.06	101	79.0-120	
1,4-Dichlorobenzene	5.00	5.28	106	79.0-120	
Dichlorodifluoromethane	5.00	7.01	140	51.0-149	

Laboratory Control Sample (LCS)

(LCS) R3593765-1 11/13/20 17:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1-Dichloroethane	5.00	5.64	113	70.0-126	
1,2-Dichloroethane	5.00	5.23	105	70.0-128	
1,1-Dichloroethene	5.00	5.45	109	71.0-124	
cis-1,2-Dichloroethene	5.00	5.29	106	73.0-120	
trans-1,2-Dichloroethene	5.00	5.16	103	73.0-120	
1,2-Dichloropropane	5.00	5.59	112	77.0-125	
cis-1,3-Dichloropropene	5.00	4.57	91.4	80.0-123	
trans-1,3-Dichloropropene	5.00	4.42	88.4	78.0-124	
Ethylbenzene	5.00	5.26	105	79.0-123	
2-Hexanone	25.0	26.7	107	67.0-149	
Isopropylbenzene	5.00	4.98	99.6	76.0-127	
2-Butanone (MEK)	25.0	28.7	115	44.0-160	
Methyl Acetate	25.0	32.8	131	57.0-148	
Methyl Cyclohexane	5.00	5.08	102	68.0-126	
Methylene Chloride	5.00	5.47	109	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	28.4	114	68.0-142	
Methyl tert-butyl ether	5.00	5.31	106	68.0-125	
Styrene	5.00	4.92	98.4	73.0-130	
1,1,2,2-Tetrachloroethane	5.00	5.87	117	65.0-130	
Tetrachloroethene	5.00	5.04	101	72.0-132	
Toluene	5.00	5.26	105	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	5.61	112	69.0-132	
1,2,3-Trichlorobenzene	5.00	4.20	84.0	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.61	92.2	57.0-137	
1,1,1-Trichloroethane	5.00	4.76	95.2	73.0-124	
1,1,2-Trichloroethane	5.00	5.43	109	80.0-120	
Trichloroethene	5.00	5.35	107	78.0-124	
Trichlorofluoromethane	5.00	4.74	94.8	59.0-147	
Vinyl chloride	5.00	6.27	125	67.0-131	
Xylenes, Total	15.0	15.6	104	79.0-123	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*95.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*93.2*	*70.0-130*	

Method Blank (MB)

(MB) R3594045-3 11/17/20 13:31

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	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

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

(LCS) R3594045-1 11/17/20 12:29 • (LCSD) R3594045-2 11/17/20 12:50

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	4.84	4.88	96.8	97.6	68.0-125			0.823	20
(S) Toluene-d8				*103*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*89.2*	*86.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*100*	*105*	*70.0-130*				

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

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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* 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 National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
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	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

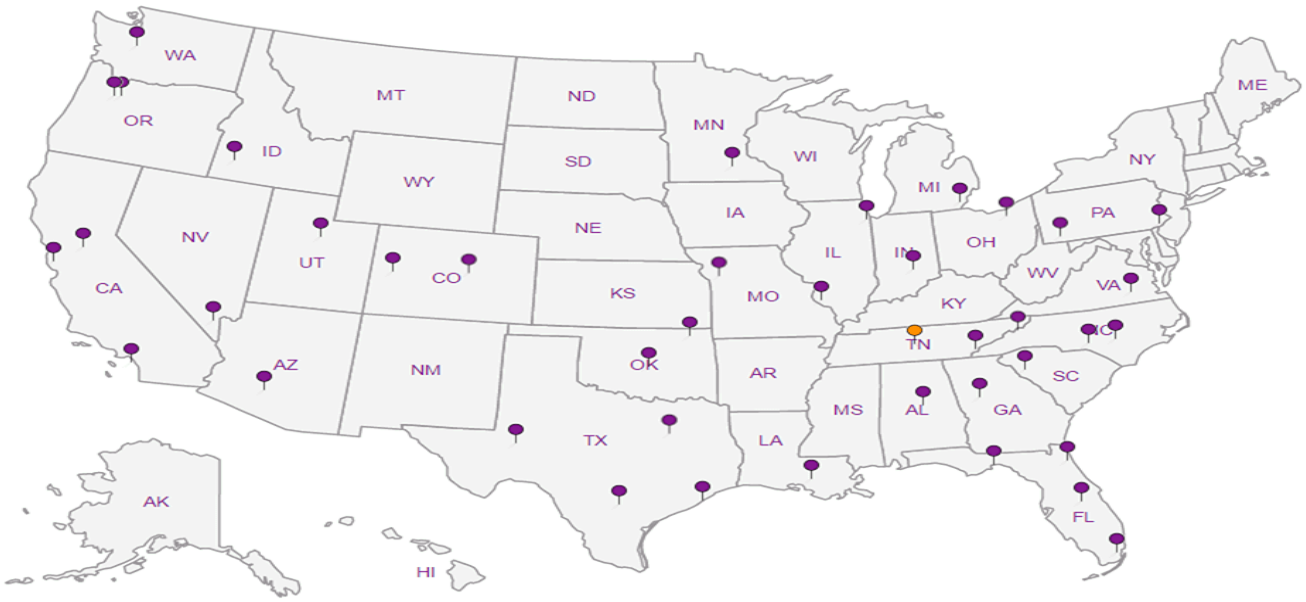
Third Party Federal Accreditations

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



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New York City, NY 11101

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

Pres Chk

Report to: Loretta Kwong

Email To: loretta.kwong@arcadis.com;renee.parisi@arcad

Project Description: Oceanside 6518040

City/State Collected: Oceanside, NY

Please Circle: PT MT CT ET

Phone: 718-446-0116

Client Project # 30044997.3722

Lab Project # CHEVARCNY-6518040

Collected by (print): M. Mansilla / B. Sandvage

Site/Facility ID # 6518040

P.O. #

Collected by (signature):

Immediately
Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*ALK,NO3,NO2,Cl,SO4* 250mlHDPE NoPres	DOC 250mlHDPE-NoPres	FEICP,MNICP 250mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	Ferrous Iron, Ferric Iron	CO2	RSK 175	Sulfide, Sodium	Remarks	Sample # (lab only)
MW-27-D2-W- 201106	G	GW		11-6-20	0035	11	X	X	X	X	X	X	X	X	X	X		-01
MW-28-D2R-W- 201106	G	GW		11-6-20	0230	10	X	X	X	X	X	X	X	X	X	X		-02
MW-24-D2-W- 201105	G	GW		11-5-20	2240	11	X	X	X	X	X	X	X	X	X	X		-03
MW-24-VDR-W- 201105	G	GW		11-5-20	2330	11	X	X	X	X	X	X	X	X	X	X		-04
AMW-15-VD-W-		GW																
AMW-7R-W- 201106	G	GW		11-6-20	0115	11	X	X	X	X	X	X	X	X	X	X		-05
AMW-14-VD-W-		GW																
AMW-14-D2-W-		GW																
MW-28-D1-W- 201106	G	GW		11-6-20	0210	11	X	X	X	X	X	X	X	X	X	X		-06
MW-26-D2-W-		GW																

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

Remarks:NO3 and NO2 have a 48hr hold time.
DOC needs to be filtered and preserved within 48hrs.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 8315

Chain of Custody Page 1 of 3

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # U283083
D101
Table #

Acctnum: CHEVARCNY
Template: T168700
Prelogin: P807975
PM: 526 - Chris McCord
PB:
Shipped Via: FedEx Ground

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Sandy Sand	11/6/20	1300	Pace	1
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Pace	11/6/2020	15:00		1.2 1.2 140
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				11/7 0830

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Chain of Custody Page 2 of 2

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Arcadis - Chevron - NY

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City/State Collected: Oceanside, NY

Please Circle: PT MT CT ET

Phone: 718-446-0116

Client Project # 30044997.3722

Lab Project # CHEVARCNY-6518040

Collected by (print): M. Mansilla / B. Santiago

Site/Facility ID # 6518040

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

SDG # U1283083

Table #

Acctnum: CHEVARCNY

Template: T168700

Prelogin: P807975

PM: 526 - Chris McCord

PB:

Shipped Via: FedEX Ground

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*ALK,NO3,NO2,Cl,SO4* 250mlHDPE NoPres	DOC 250mlHDPE-NoPres	FEICP,MNICP 250mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	Ferrous Iron, Ferric Iron	CO2	RSK175	Sulfide, Sodium	Remarks	Sample # (lab only)
MW-23-D2R-W-201105	G	GW		11-5-20	2150	11	X	X	X	X	X	X	X	X	X	X		-01
AMW-1S-D2-W-		GW																
AMW-1S-D3-W-		GW																
MW-23-D1R-W-201105	G	GW		11-5-20	2215	11	X	X	X	X	X	X	X	X	X	X		-08
AMW-1S-D1-W-		GW																
MW-27-D1R-W-201106	G	GW		11-6-20	0050	11	X	X	X	X	X	X	X	X	X	X		-04
MW-26-D1-W-201106	G	GW		11-6-20	0005	11	X	X	X	X	X	X	X	X	X	X		-10
MW-29-D1-W-201106	G	GW		11-6-20	0145	11	X	X	X	X	X	X	X	X	X	X		-11
AMW-14-D1-W-		GW																
MW-24-D1R-W-201105	G	GW		11-5-20	2310	11	X	X	X	X	X	X	X	X	X	X		-12

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

Remarks:NO3 and NO2 have a 48hr hold time.
DOC needs to be filtered and preserved within 48hrs.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

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

	Date:	Time:		
Relinquished by : (Signature)	11/6/20	1300	Received by: (Signature) / Pace	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature) / Pace	11/6/2020	15:00	Received by: (Signature)	Temp: °C 1.7 2.0 1.2 Bottles Received: 14
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/7 Time: 0500

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 3 of 3

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Site/Facility ID # 6518040

P.O. #

Collected by (signature):

Immediately
Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

SDG # L1283083

Table #

Acctnum: CHEVARCNY

Template: T168700

Prelogin: P807975

PM: 526 - Chris McCord

PB:

Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*ALK,NO3,NO2,Cl,SO4* 250mlHDPE NoPres	DOC 250mlHDPE-NoPres	FEICP,MNICP 250mlHDPE-HNO3	NO2NO3 250mlHDPE-H2SO4	TOC 250mlHDPE-HCl	V8260TCLC 40mlAmb-HCl	ferrous Iron, Ferric Iron	CO2	RSK 175	Sulfide, Sodium	Remarks	Sample # (lab only)
MW-18R-W-		GW																
BD-W-201105	G	GW		11-5-20	—	11	X	X	X	X	X	X	X	X	X	X		-13
FB-W-201106	G	GW		11-6-20	0345	11	X	X	X	X	X	X	X	X	X	X		-14
FB-W-		GW																
FB-W-		GW																
		GW																
		GW																

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

Remarks: NO3 and NO2 have a 48hr hold time.
DOC needs to be filtered and preserved within 48hrs.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	11/6/20	1300	/Pace	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
/Pace	11/6/2020	15:00		12 Cool 2 14
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				11/7 0900

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Matt Shacklock

Login #:L1283083	Client: CHEVARCNY	Date:11/07/20	Evaluated by:Cole Medley

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
	Temperature not in range		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	pH not in range.		Please specify TCLP requested.	X	Improper handling by carrier (FedEx / UPS / Cou
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
X	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments: Received one broken 1 40mlAmb HCl on ID: MW-28-D2R-W-2001106

Client informed by:		Call		Email		Voice Mail		Date: 11/09/20	Time: 11:16
TSR Initials: CM	Client Contact:								

Login Instructions:

Sufficient sample remains to run all testing from intact containers.